

2013 CAPITAL SPENDING

# Tooling Equipment Report



## 2013 CAPITAL SPENDING

### Tooling Equipment Report

#### DOLLARS

1. All figures reported are in 2012 real dollars and for new equipment only.
2. For 2008, 2009, and 2010, total level figures are actual as reported by the U.S. Census Bureau.
3. For 2011 and 2012, total level figures are estimated based on actual data from 2010 and percent changes in USMTO (as reported by AMT) for 2011 and 2012.
4. For 2008 through 2012, figures reported below the total level are estimated based on the actual total for that year and proportions forecasted by the Capital Spending Survey in that year.
5. For 2013, reported figures are from the Capital Spending Survey.

#### REGIONS

East North Central – IL, IN, MI, OH, WI

East South Central – AL, KY, MS, TN

Middle Atlantic – NY, PA

Mountain – AZ, CO, ID, MT, NM, NV, UT, WY

New England – CT, MA, ME, NH, RI, VT

Pacific – AK, CA, HI, OR, WA

South Atlantic – DE, FL, GA, MD, NC, NJ, SC, VA, WV

West North Central – IA, KS, MN, MO, ND, NE, SD

West South Central – AR, LA, OK, TX

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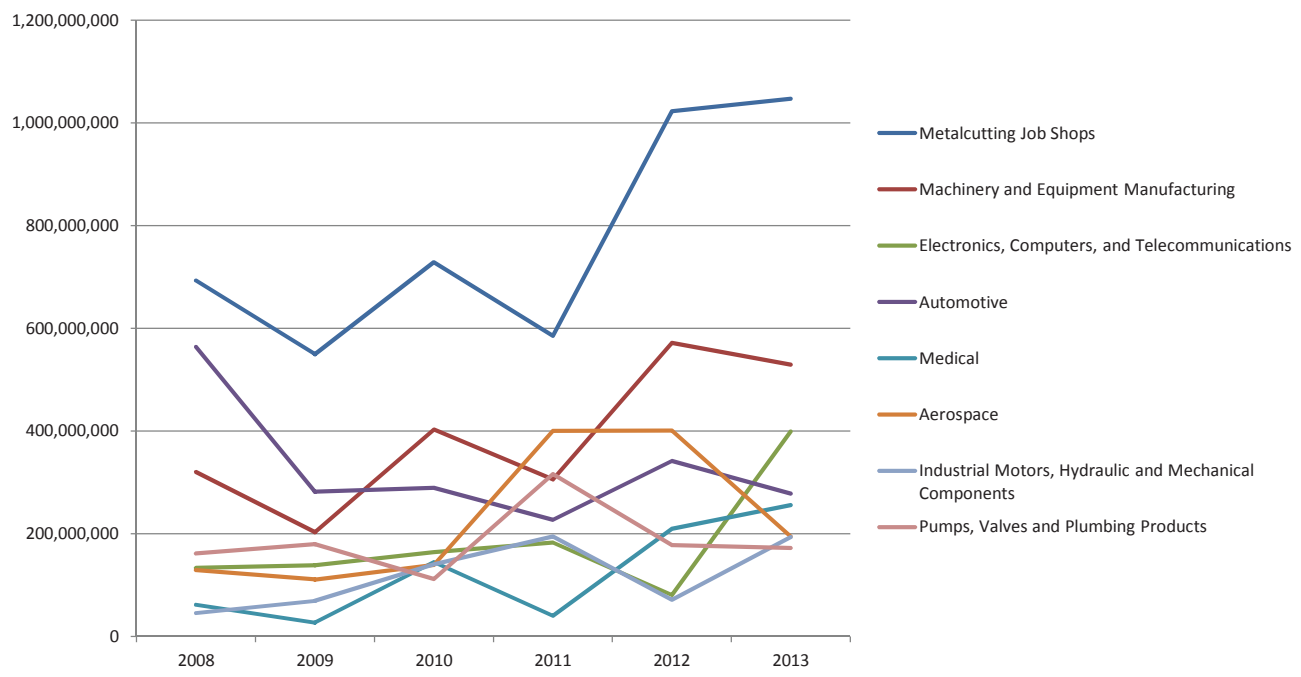
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Total Tooling

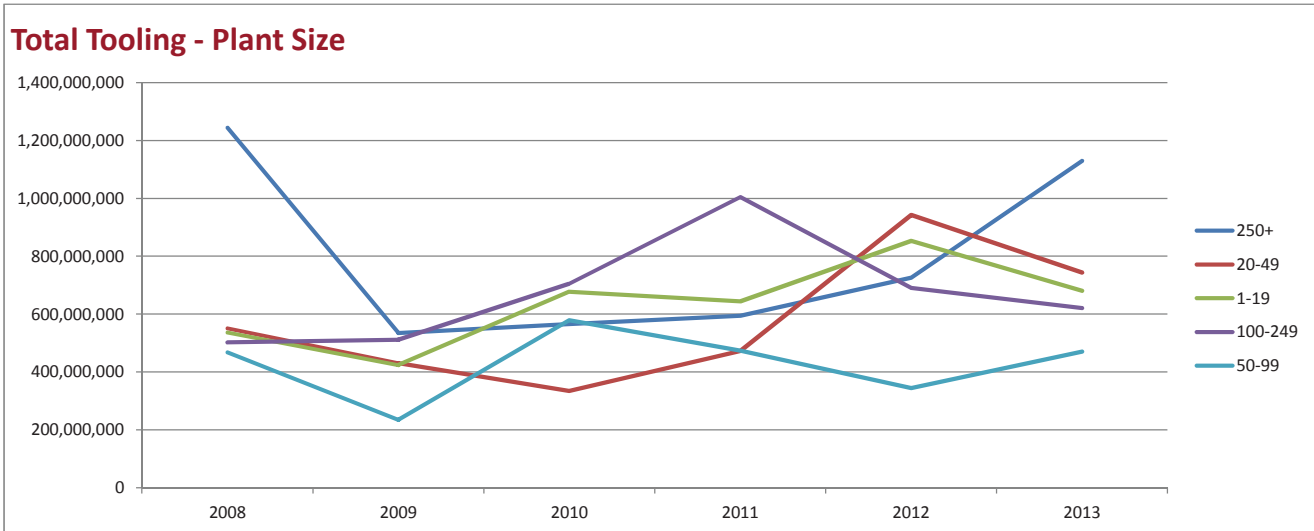
Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	692,823,453	549,413,054	728,625,502	585,242,507	1,022,944,400	1,047,016,390
Machinery and Equipment Manufacturing	320,473,525	202,773,106	402,897,670	305,376,493	571,917,576	529,023,497
Electronics, Computers, and Telecommunications	133,556,474	138,318,930	164,180,619	182,713,666	80,560,328	399,294,879
Automotive	563,614,756	281,685,761	289,097,437	226,807,620	341,935,355	278,316,524
Medical	61,808,216	26,951,100	144,556,925	39,922,233	209,359,375	255,686,771
Aerospace	128,845,692	110,753,416	138,874,622	400,279,197	400,701,204	194,334,872
Industrial Motors, Hydraulic and Mechanical Components	45,180,455	69,119,220	140,708,954	194,611,054	70,980,103	193,639,693
Pumps, Valves and Plumbing Products	161,576,061	179,677,427	111,915,098	315,980,848	177,762,671	172,237,944
Forming and Fabricating (non-auto)	215,299,048	126,268,843	161,438,570	154,503,685	161,848,362	148,090,379
Off-Road and Construction Machinery	62,882,659	15,173,148	94,220,355	135,512,011	77,606,124	99,043,319
Petrochemical Processors	12,437,386	7,969,835	9,162,964	9,022,006	39,687,988	76,105,023
Other Manufacturing	125,030,544	44,940,170	31,737,429	164,698,549	144,069,623	50,608,013
Hardware	166,516,203	13,440,136	112,766,534	117,801,860	22,184,179	41,622,659
HVAC	32,333,569	13,687,592	42,936,995	2,539,060	38,054,979	40,920,161
Power Generation	103,476,033	57,753,188	19,179,464	7,789,937	47,247,157	38,616,445
Oil, Gas Field, and Mining Machinery	194,228,518	72,531,960	99,094,915	106,534,750	23,045,060	35,363,078
Military	60,334,238	40,140,627	39,701,893	25,076,071	2,440,313	23,517,188
Plastics and Rubber	2,944,904	13,259,941	20,491,664	13,313,254	15,043,138	8,904,008
Non-Manufacturing	136,939,575	4,635,622	5,150,418	35,463,313	9,581,042	7,017,245
Ship Building	233,096	0	0	0	7,527,725	2,559,919
Printing	1,654,191	1,354,508	0	0	0	1,231,853
Primary Metals	21,497,081	32,669,819	40,065,864	27,230,603	23,949,387	671,920
Custom Processors	51,197,386	126,788,464	60,308,627	55,859,277	62,862,161	447,946
Appliances	2,544,603	58,543	1,706,672	41,091,491	5,087,059	0
Wood and Paper Products	0	4,169,000	0	2,066,368	382,944	0
Furniture Manufacturing	3,300,086	117,086	2,439,352	39,873,322	0	0
Construction Materials	0	818,051	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>3,300,727,750</b>	<b>2,134,468,549</b>	<b>2,861,258,542</b>	<b>3,189,309,175</b>	<b>3,556,778,252</b>	<b>3,644,269,727</b>

### Total Tooling - Industry



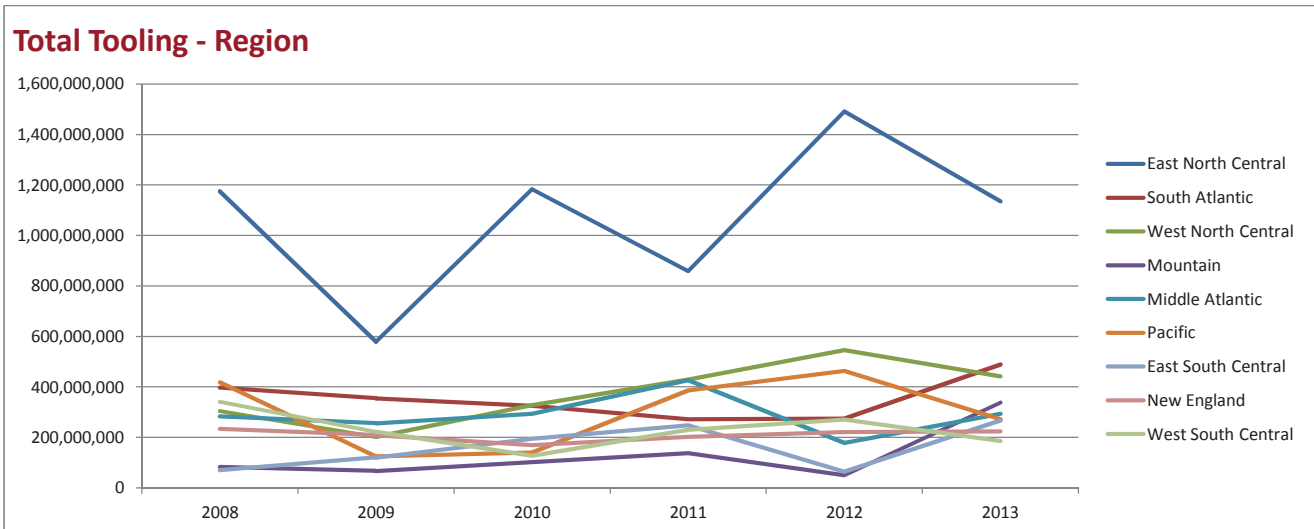
2013 CAPITAL SPENDING  
**TOOLING EQUIPMENT REPORT**  
**TOTAL TOOLING**

Plant Size	2008	2009	2010	2011	2012	2013
250+	1,244,344,330	534,968,085	565,929,648	594,156,002	725,565,158	1,129,213,316
20-49	551,058,690	430,383,720	334,507,644	472,987,630	943,180,982	744,083,226
1-19	536,124,335	423,818,561	677,666,228	644,276,063	852,639,657	680,046,647
100-249	502,145,362	511,088,772	704,664,175	1,004,255,830	690,959,057	620,797,757
50-99	467,055,033	234,209,411	578,490,847	473,633,650	344,433,398	470,128,781
<b>All</b>	<b>3,300,727,750</b>	<b>2,134,468,549</b>	<b>2,861,258,542</b>	<b>3,189,309,175</b>	<b>3,556,778,252</b>	<b>3,644,269,727</b>



**Total Tooling**

Region	2008	2009	2010	2011	2012	2013
East North Central	1,174,767,019	579,629,876	1,183,665,854	859,135,357	1,491,252,762	1,135,297,977
South Atlantic	396,995,629	354,313,538	324,635,419	271,517,780	274,213,376	488,551,029
West North Central	304,567,071	201,899,266	327,530,791	429,127,210	545,794,363	441,402,466
Mountain	81,988,696	66,908,960	101,637,312	137,125,473	49,940,055	337,448,567
Middle Atlantic	282,163,323	255,793,443	293,002,413	425,967,244	177,411,712	293,191,610
Pacific	417,937,398	124,513,862	140,456,870	386,207,314	463,030,831	272,319,604
East South Central	68,994,815	120,134,952	193,995,367	247,951,348	63,550,808	266,660,266
New England	232,524,996	209,024,817	168,923,696	202,564,995	221,133,757	224,131,366
West South Central	340,788,801	222,249,835	127,410,821	229,712,453	270,450,587	185,266,842
<b>All</b>	<b>3,300,727,750</b>	<b>2,134,468,549</b>	<b>2,861,258,542</b>	<b>3,189,309,175</b>	<b>3,556,778,252</b>	<b>3,644,269,727</b>



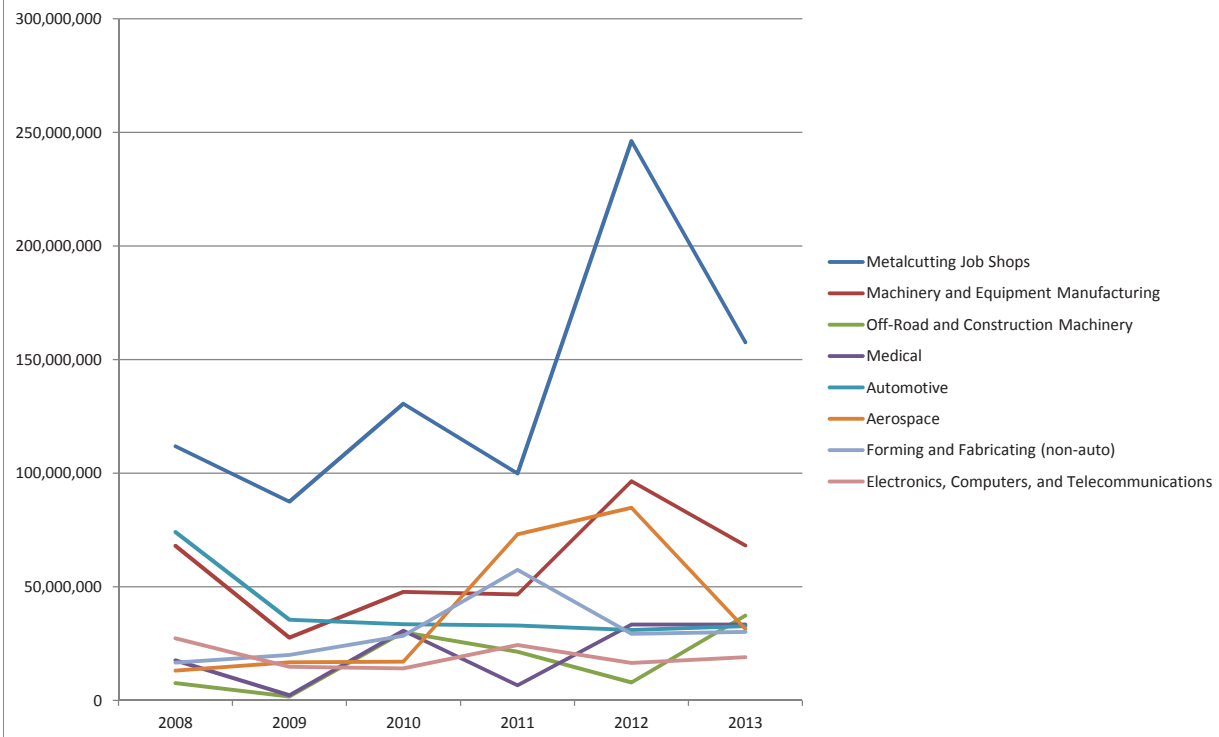
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## CAPITAL SPENDING Tooling Equipment Report

### Stationary Tool Inserts, carbide

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	111,843,342	87,481,157	130,611,523	99,911,644	246,172,796	157,632,353
Machinery and Equipment Manufacturing	68,083,462	27,704,911	47,790,877	46,629,729	96,455,471	68,188,715
Off-Road and Construction Machinery	7,596,080	1,726,657	30,083,122	21,439,805	7,992,219	37,391,824
Medical	17,704,046	2,309,837	30,782,523	6,677,537	33,483,256	33,445,630
Automotive	74,074,480	35,548,593	33,507,663	32,930,483	31,011,041	32,726,431
Aerospace	13,141,106	16,868,979	17,015,637	73,182,446	84,760,031	31,421,257
Forming and Fabricating (non-auto)	16,685,822	20,011,090	28,463,194	57,446,441	29,335,482	30,143,061
Electronics, Computers, and Telecommunications	27,341,736	14,765,616	14,059,215	24,423,306	16,570,880	19,086,615
Pumps, Valves and Plumbing Products	43,535,674	34,552,161	22,753,970	61,062,095	37,643,503	17,045,945
Oil, Gas Field, and Mining Machinery	42,764,447	10,120,369	14,961,413	14,201,022	4,557,296	13,817,221
Other Manufacturing	23,114,669	10,807,224	5,370,713	27,925,635	20,868,484	10,849,218
Petrochemical Processors	4,475,946	1,035,041	929,813	282,073	3,164,408	10,625,230
HVAC	2,231,586	614,704	4,563,966	705,743	4,628,212	10,332,166
Industrial Motors, Hydraulic and Mechanical Components	10,448,266	18,767,340	32,152,381	16,356,326	10,946,540	8,770,168
Military	9,356,073	5,583,314	6,189,849	5,088,982	634,481	7,721,477
Hardware	20,972,921	869,463	11,161,905	5,306,955	3,871,732	5,374,690
Non-Manufacturing	16,319,544	774,422	875,571	5,816,284	153,999	1,667,592
Plastics and Rubber	137,364	1,784,022	1,472,688	1,095,207	1,976,881	1,621,727
Power Generation	14,082,022	8,434,367	2,846,697	97,983	6,008,371	682,534
Printing	191,618	0	0	0	0	615,926
Primary Metals	1,470,544	5,004,381	9,364,738	6,892,381	5,709,524	120,946
Custom Processors	6,219,019	25,734,865	18,016,618	5,446,573	5,041,498	15,678
Ship Building	46,619	0	0	0	1,881,931	0
Appliances	671,064	4,391	170,667	3,017,084	1,398,240	0
Wood and Paper Products	0	432,583	0	416,041	103,395	0
Furniture Manufacturing	228,877	37,468	975,741	5,456,916	0	0
Construction Materials	0	220,874	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>532,736,329</b>	<b>331,193,828</b>	<b>464,120,481</b>	<b>521,808,691</b>	<b>654,369,672</b>	<b>499,296,403</b>

### Stationary Tool Inserts, carbide - Industry

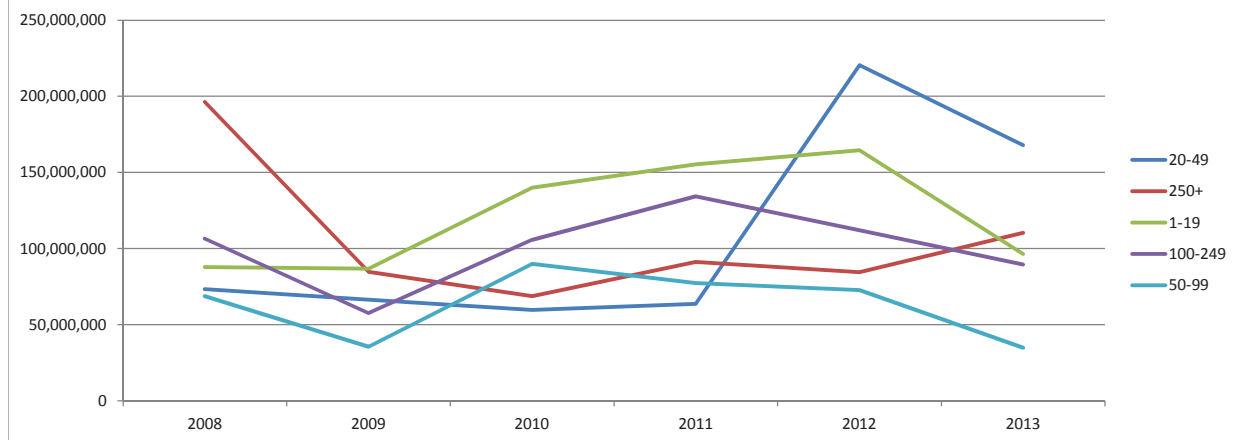


# STATIONARY TOOLING INSERTS, CARBIDE

## Stationary Tool Inserts, carbide

Plant Size	2008	2009	2010	2011	2012	2013
20-49	73,322,116	66,369,619	59,646,695	63,738,582	220,433,272	167,891,458
250+	196,262,782	84,826,484	68,733,375	91,155,670	84,524,416	110,344,703
1-19	87,809,083	86,774,945	140,002,692	155,261,101	164,626,238	96,416,817
100-249	106,650,586	57,587,608	105,789,535	134,265,675	111,978,193	89,676,635
50-99	68,691,762	35,635,171	89,948,184	77,387,662	72,807,554	34,966,790
<b>All</b>	<b>532,736,329</b>	<b>331,193,828</b>	<b>464,120,481</b>	<b>521,808,691</b>	<b>654,369,672</b>	<b>499,296,403</b>

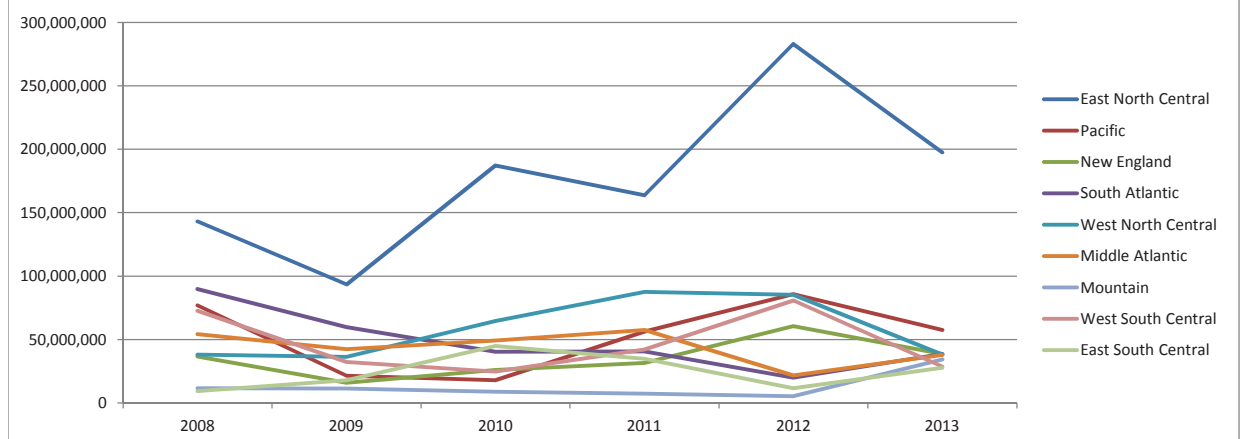
### Stationary Tool Inserts, carbide - Plant Size



## Stationary Tool Inserts, carbide

Region	2008	2009	2010	2011	2012	2013
East North Central	143,056,614	93,319,130	187,252,422	163,668,291	283,085,903	197,403,426
Pacific	76,936,553	21,589,822	18,074,691	56,244,753	85,915,696	57,459,621
New England	36,556,832	16,016,016	25,989,377	31,622,679	60,621,200	38,637,912
South Atlantic	89,834,798	59,715,976	40,333,720	40,712,006	19,968,293	38,571,343
West North Central	38,153,393	36,421,777	64,562,221	87,494,238	85,257,105	38,213,420
Middle Atlantic	54,366,630	42,403,979	49,157,657	57,549,352	21,635,123	38,013,877
Mountain	11,625,658	11,433,897	8,874,282	7,332,888	5,340,952	34,426,683
West South Central	72,776,358	32,337,394	24,906,227	42,230,326	80,767,253	28,686,025
East South Central	9,429,492	17,955,837	44,969,883	34,954,159	11,778,147	27,884,096
<b>All</b>	<b>532,736,329</b>	<b>331,193,828</b>	<b>464,120,481</b>	<b>521,808,691</b>	<b>654,369,672</b>	<b>499,296,403</b>

### Stationary Tool Inserts, carbide - Region



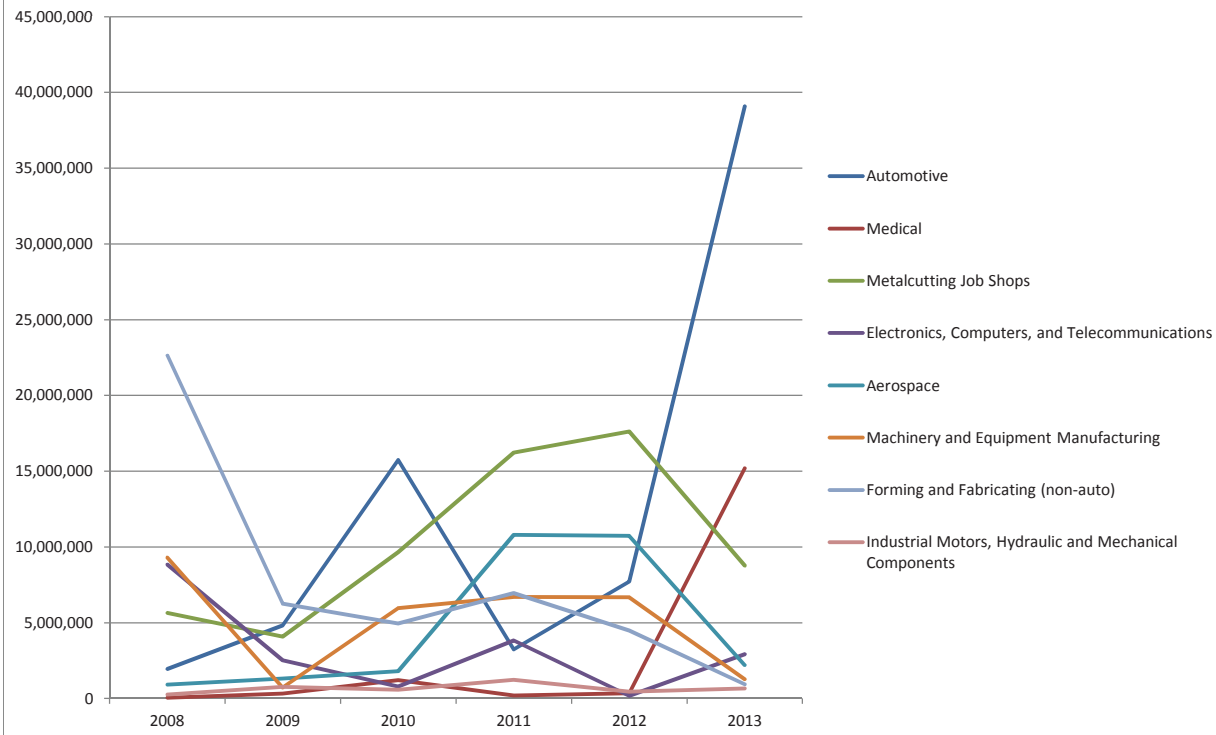
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## CAPITAL SPENDING Tooling Equipment Report

### Stationary Tool Inserts, CBN or diamond-film

Industry	2008	2009	2010	2011	2012	2013
Automotive	1,952,886	4,815,891	15,746,317	3,234,522	7,710,463	39,082,880
Medical	44,998	330,110	1,208,395	199,250	344,384	15,185,726
Metalcutting Job Shops	5,654,094	4,090,494	9,648,631	16,222,298	17,618,692	8,773,026
Electronics, Computers, and Telecommunications	8,841,736	2,523,575	796,428	3,831,407	178,436	2,921,810
Aerospace	919,985	1,320,266	1,802,662	10,797,565	10,737,834	2,193,080
Machinery and Equipment Manufacturing	9,308,870	731,010	5,954,385	6,691,997	6,685,935	1,283,823
Forming and Fabricating (non-auto)	22,633,476	6,251,374	4,951,086	6,959,887	4,477,083	927,885
Industrial Motors, Hydraulic and Mechanical Components	270,279	759,570	585,359	1,230,801	453,927	656,242
Pumps, Valves and Plumbing Products	1,418,709	511,518	1,369,461	2,353,086	1,791,225	262,060
Hardware	319,363	543,134	215,754	341,663	0	259,898
Military	0	0	0	0	0	195,977
Other Manufacturing	2,555,949	518,092	1,095,532	10,604,809	3,421,275	156,781
Non-Manufacturing	1,303,179	128,161	51,504	225,739	153,999	33,960
Primary Metals	21,415	694,104	234,178	832	980,463	20,158
Power Generation	299,140	0	264,017	1,544	27,572	13,998
Oil, Gas Field, and Mining Machinery	417,865	210,756	1,003,749	346,629	161,308	12,995
HVAC	43,525	0	276,008	0	0	5,039
Plastics and Rubber	6,387	51,079	56,406	0	21,910	560
Off-Road and Construction Machinery	312,710	0	177,585	2,064,166	1,863,135	0
Petrochemical Processors	106,059	42,015	85,786	31,341	837,020	0
Custom Processors	164,992	1,679,884	3,576,995	645,245	339,285	0
Appliances	21,415	0	0	324,188	0	0
Construction Materials	0	24,542	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>56,617,032</b>	<b>25,225,575</b>	<b>49,100,237</b>	<b>66,106,968</b>	<b>57,803,946</b>	<b>71,985,898</b>

### Stationary Tool Inserts, CBN or diamond-film - Industry



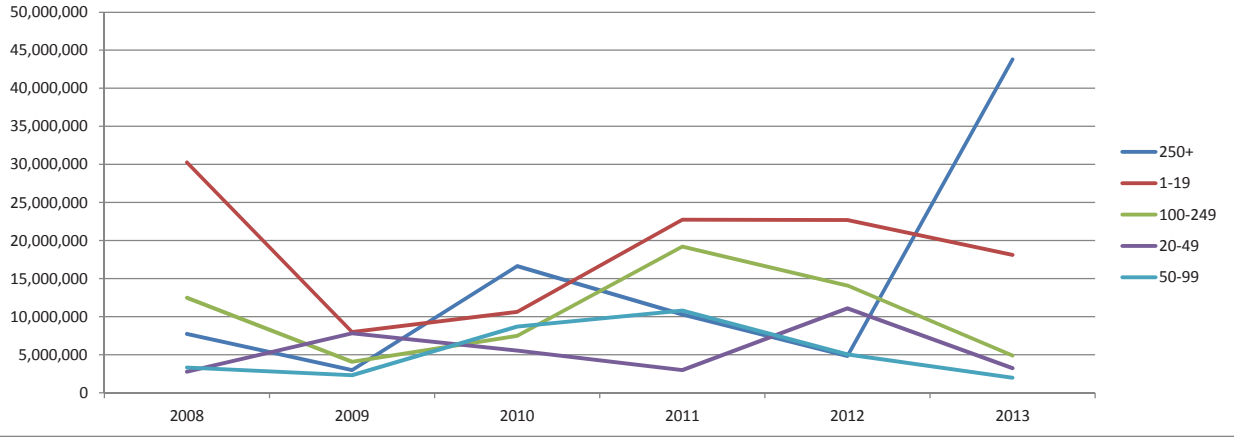


# STATIONARY TOOL INSERTS, CBN OR DIAMOND-FILM

## Stationary Tool Inserts, CBN or diamond-film

Plant Size	2008	2009	2010	2011	2012	2013
250+	7,740,575	3,001,014	16,667,604	10,296,568	4,836,295	43,787,331
1-19	30,262,297	8,001,384	10,653,210	22,749,979	22,685,810	18,105,133
100-249	12,485,663	4,082,774	7,508,723	19,229,397	14,105,687	4,876,457
20-49	2,778,141	7,811,224	5,561,446	3,000,953	11,112,779	3,228,912
50-99	3,350,355	2,329,179	8,709,255	10,830,072	5,063,375	1,988,066
<b>All</b>	<b>56,617,032</b>	<b>25,225,575</b>	<b>49,100,237</b>	<b>66,106,968</b>	<b>57,803,946</b>	<b>71,985,898</b>

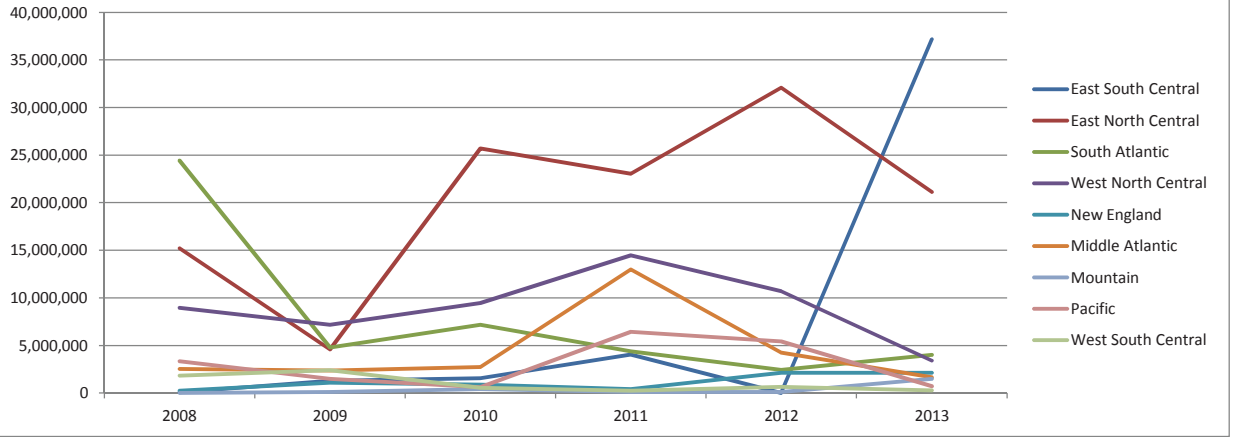
### Stationary Tool Inserts, CBN or diamond-film - Plant Size



## Stationary Tool Inserts, CBN or diamond-film

Region	2008	2009	2010	2011	2012	2013
East South Central	90,635	1,289,241	1,551,427	4,032,604	25,431	37,163,903
East North Central	15,193,419	4,569,021	25,703,971	23,024,805	32,077,985	21,106,785
South Atlantic	24,410,570	4,767,604	7,171,430	4,377,647	2,434,063	4,013,569
West North Central	8,955,576	7,165,301	9,453,490	14,473,079	10,696,010	3,419,889
New England	257,963	1,101,706	873,680	415,940	2,119,744	2,140,332
Middle Atlantic	2,523,718	2,351,091	2,728,838	13,000,715	4,243,194	1,664,232
Mountain	23,600	112,878	427,055	115,000	124,582	1,502,400
Pacific	3,329,505	1,483,605	630,889	6,431,646	5,419,851	706,844
West South Central	1,832,046	2,385,127	559,456	235,531	663,084	267,943
<b>All</b>	<b>56,617,032</b>	<b>25,225,575</b>	<b>49,100,237</b>	<b>66,106,968</b>	<b>57,803,946</b>	<b>71,985,898</b>

### Stationary Tool Inserts, CBN or diamond-film - Region



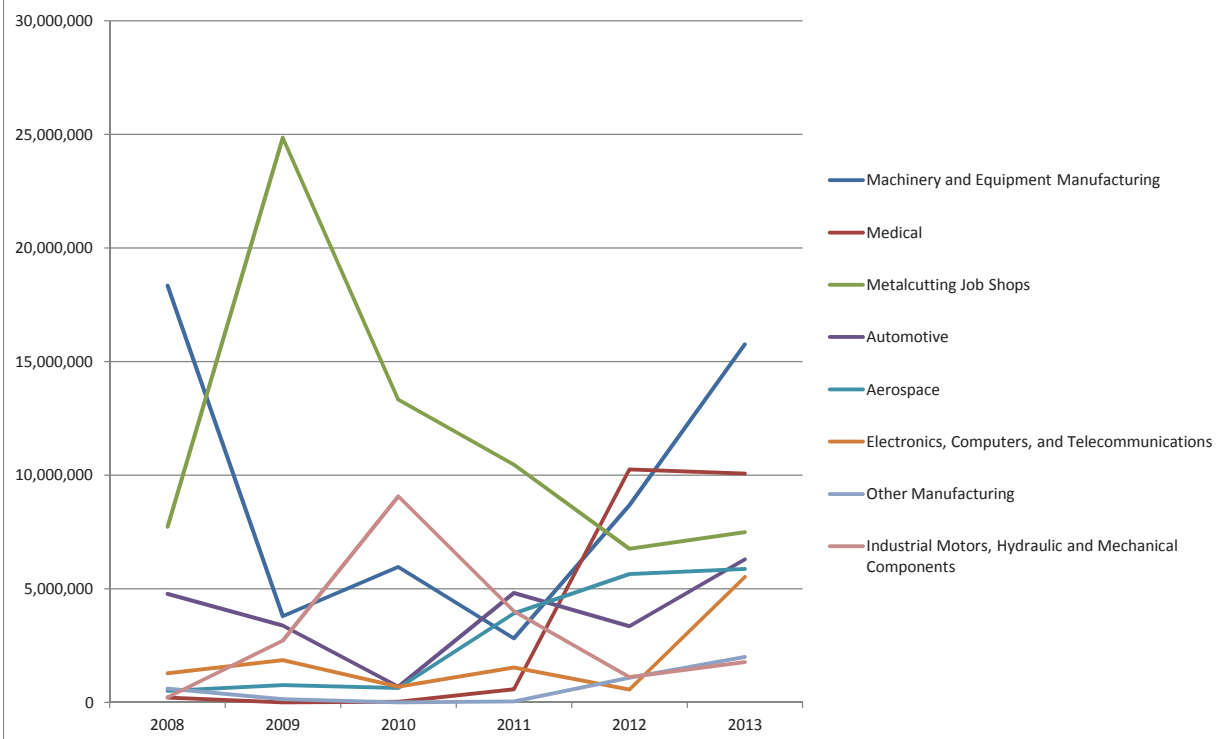
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## CAPITAL SPENDING Tooling Equipment Report

### Stationary Tool Inserts, ceramic

Industry	2008	2009	2010	2011	2012	2013
Machinery and Equipment Manufacturing	18,342,596	3,790,605	5,961,119	2,826,936	8,682,573	15,760,800
Medical	214,707	10,245	36,830	574,904	10,260,345	10,072,000
Metalcutting Job Shops	7,736,272	24,849,711	13,322,971	10,463,546	6,766,391	7,491,901
Automotive	4,774,018	3,379,172	691,372	4,817,976	3,349,278	6,292,449
Aerospace	515,627	759,486	639,132	3,917,034	5,654,294	5,869,258
Electronics, Computers, and Telecommunications	1,292,152	1,858,486	688,329	1,537,243	572,187	5,528,113
Other Manufacturing	615,372	143,531	0	39,758	1,091,087	2,004,163
Industrial Motors, Hydraulic and Mechanical Components	223,825	2,727,567	9,067,797	4,010,192	1,115,644	1,776,005
Pumps, Valves and Plumbing Products	1,894,307	2,216,193	487,345	6,173,271	2,761,862	1,505,505
Forming and Fabricating (non-auto)	1,585,465	382,422	535,087	713,830	934,329	1,186,754
Oil, Gas Field, and Mining Machinery	441,442	223,635	982,416	927,676	766,232	774,139
Plastics and Rubber	45,030	221,045	206,885	2,963	601,988	634,005
Off-Road and Construction Machinery	299,238	40,980	3,108,846	2,520,042	1,572,542	493,806
Petrochemical Processors	35,353	15,573	160,000	0	3,791,945	292,385
Military	0	923,520	166,844	0	0	243,011
HVAC	31,678	0	3,393,215	0	62,958	131,365
Hardware	133,018	4,267	2,859,715	255,038	0	48,514
Primary Metals	85,661	1,040,782	163,464	2,080	378,056	40,315
Non-Manufacturing	5,212,717	24,542	103,008	397,575	0	23,824
Power Generation	248,928	0	115,815	772	3,589,084	13,998
Appliances	0	1,464	0	1,978,999	149,386	0
Custom Processors	585,900	2,628,821	2,284,803	3,610,255	96,084	0
Wood and Paper Products	0	0	0	18,534	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>44,313,307</b>	<b>45,242,044</b>	<b>44,974,993</b>	<b>44,788,623</b>	<b>52,196,266</b>	<b>60,182,309</b>

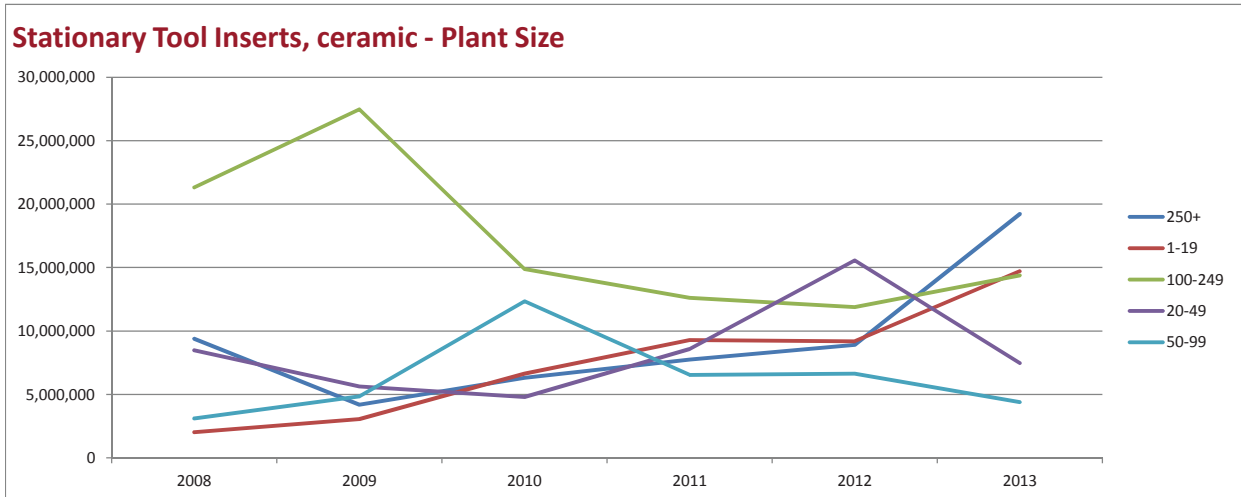
### Stationary Tool Inserts, ceramic - Industry



# STATIONARY TOOL INSERTS, CERAMIC

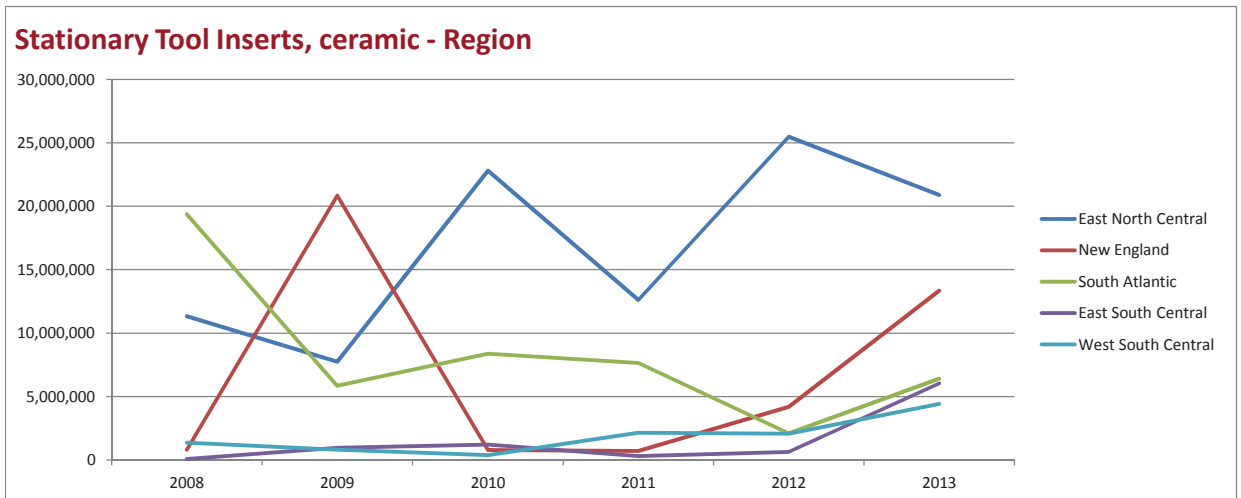
## Stationary Tool Inserts, ceramic

Plant Size	2008	2009	2010	2011	2012	2013
250+	9,376,405	4,203,697	6,318,702	7,754,624	8,916,590	19,230,820
1-19	2,033,548	3,067,582	6,646,743	9,299,187	9,192,698	14,713,293
100-249	21,323,773	27,470,343	14,892,134	12,602,807	11,885,887	14,373,761
20-49	8,468,466	5,642,475	4,789,120	8,581,414	15,558,012	7,481,364
50-99	3,111,117	4,857,947	12,328,294	6,550,592	6,643,078	4,383,070
<b>All</b>	<b>44,313,307</b>	<b>45,242,044</b>	<b>44,974,993</b>	<b>44,788,623</b>	<b>52,196,266</b>	<b>60,182,309</b>



## Stationary Tool Inserts, ceramic

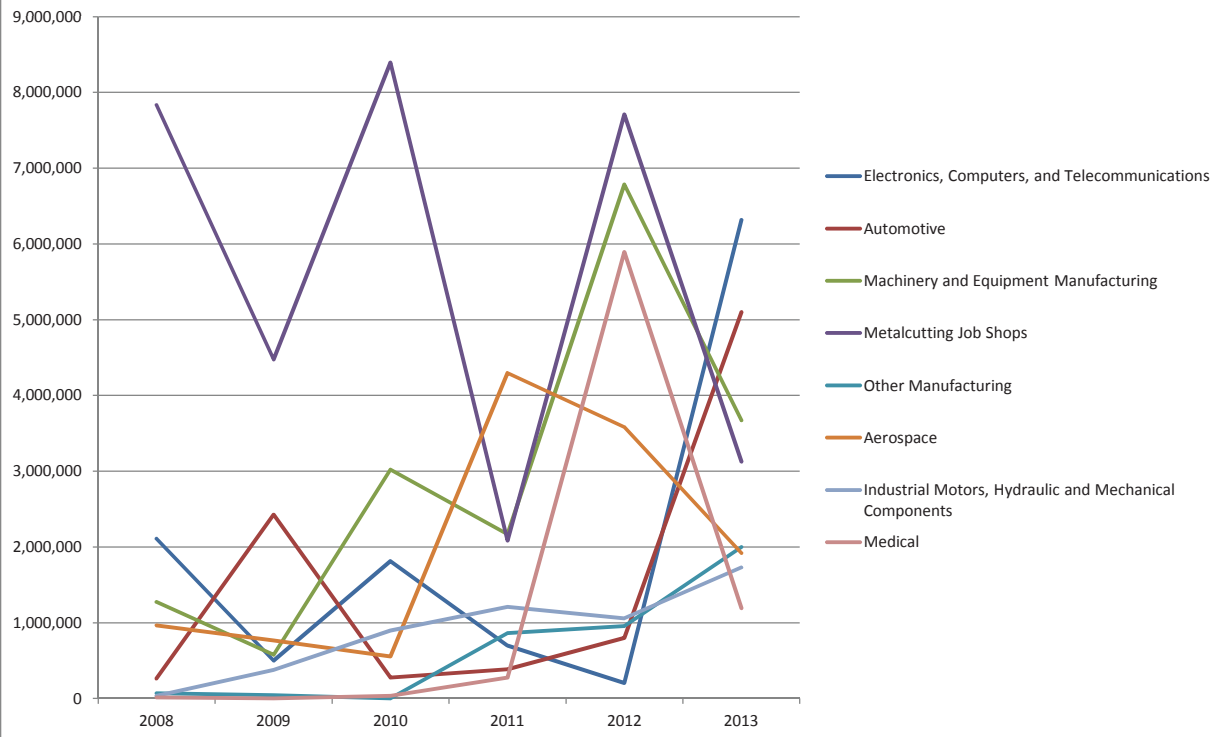
Region	2008	2009	2010	2011	2012	2013
East North Central	11,330,466	7,745,532	22,790,970	12,623,902	25,466,315	20,882,692
New England	810,426	20,823,554	792,009	710,727	4,192,535	13,342,136
South Atlantic	19,374,118	5,866,098	8,376,051	7,656,865	2,104,760	6,412,871
East South Central	95,681	972,771	1,221,834	309,685	634,128	6,027,758
West South Central	1,368,752	803,945	397,444	2,162,536	2,072,152	4,431,267
West North Central	847,325	3,834,911	8,578,430	8,862,465	6,447,973	3,888,898
Mountain	116,579	455,427	318,154	220,521	268,907	2,532,209
Middle Atlantic	2,933,861	3,028,061	1,655,716	5,467,621	1,075,468	1,468,300
Pacific	7,436,098	1,711,745	844,384	6,774,300	9,934,028	1,196,178
<b>All</b>	<b>44,313,307</b>	<b>45,242,044</b>	<b>44,974,993</b>	<b>44,788,623</b>	<b>52,196,266</b>	<b>60,182,309</b>



### Stationary Tool Inserts, cermet

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	2,108,474	499,664	1,812,302	697,084	202,025	6,315,681
Automotive	262,233	2,425,846	275,118	387,756	799,474	5,099,103
Machinery and Equipment Manufacturing	1,274,455	574,475	3,021,978	2,170,319	6,783,980	3,673,392
Metalcutting Job Shops	7,831,819	4,473,062	8,393,353	2,083,424	7,708,425	3,127,842
Other Manufacturing	68,762	42,361	0	864,901	957,924	2,001,214
Aerospace	962,445	764,212	555,680	4,296,476	3,583,275	1,919,127
Industrial Motors, Hydraulic and Mechanical Components	35,130	377,177	898,778	1,207,905	1,058,408	1,728,792
Medical	13,307	0	36,830	277,793	5,895,234	1,194,127
Forming and Fabricating (non-auto)	8,897,523	755,183	180,059	303,387	501,747	985,686
Pumps, Valves and Plumbing Products	135,429	333,091	80,333	244,890	998,726	900,070
Off-Road and Construction Machinery	93,485	0	4,829,178	799,267	760,256	108,291
Military	0	0	51,226	0	0	70,552
Oil, Gas Field, and Mining Machinery	0	6,440	1,948,244	346,629	161,308	64,974
Primary Metals	0	18,549	5,923	2,080	0	20,158
Plastics and Rubber	3,194	218,223	8,050	0	580,799	560
Custom Processors	587,834	225,414	77,571	216,628	452,389	0
Power Generation	43,123	106,347	91,476	0	3,829	0
Hardware	0	0	1,996,214	250,771	0	0
Appliances	0	0	0	244,890	0	0
Non-Manufacturing	3,909,538	0	0	142,719	0	0
Furniture Manufacturing	0	0	0	5,698	0	0
HVAC	7,984	0	260,681	0	0	0
Petrochemical Processors	0	3,220	53,333	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>26,234,734</b>	<b>10,823,263</b>	<b>24,576,328</b>	<b>14,542,616</b>	<b>30,447,800</b>	<b>27,209,569</b>

### Stationary Tool Inserts, cermet - Industry

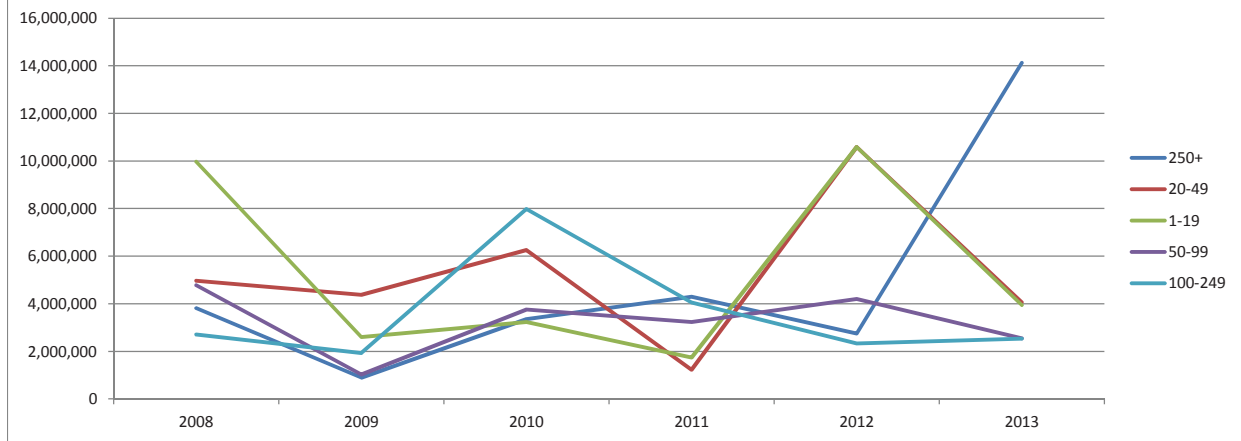


# STATIONARY TOOL INSERTS, CERMET

## Stationary Tool Inserts, cermet

Plant Size	2008	2009	2010	2011	2012	2013
250+	3,803,311	898,229	3,358,988	4,288,209	2,747,835	14,124,588
20-49	4,970,529	4,378,742	6,257,967	1,222,584	10,582,824	4,059,605
1-19	9,973,181	2,597,284	3,227,509	1,745,509	10,585,052	3,945,422
50-99	4,784,357	1,023,794	3,754,053	3,233,770	4,199,130	2,547,097
100-249	2,703,356	1,925,215	7,977,810	4,052,543	2,332,960	2,532,857
<b>All</b>	<b>26,234,734</b>	<b>10,823,263</b>	<b>24,576,328</b>	<b>14,542,616</b>	<b>30,447,800</b>	<b>27,209,569</b>

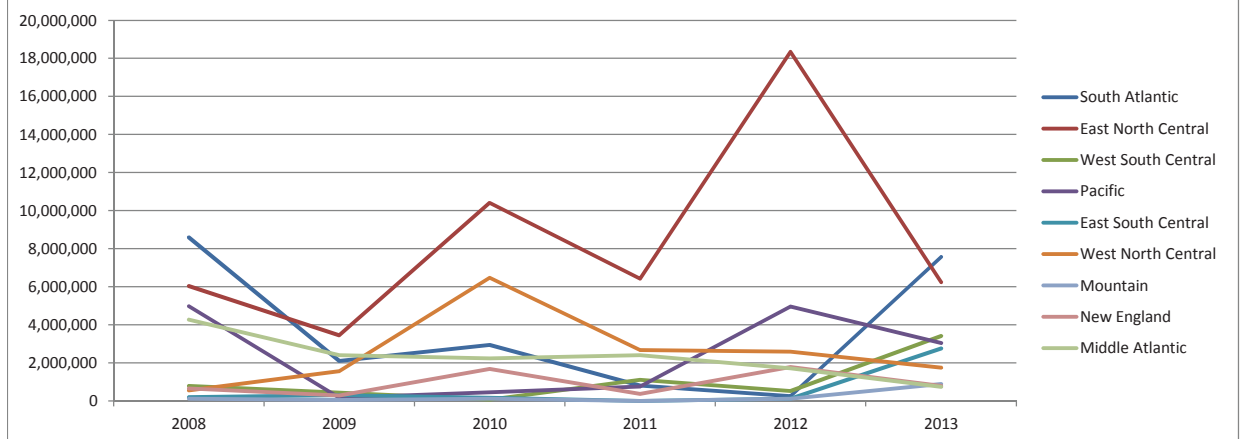
### Stationary Tool Inserts, cermet - Plant Size



## Stationary Tool Inserts, cermet

Region	2008	2009	2010	2011	2012	2013
South Atlantic	8,602,329	2,106,612	2,952,746	807,050	254,775	7,574,942
East North Central	6,047,855	3,451,441	10,413,062	6,420,078	18,344,625	6,243,883
West South Central	790,560	448,831	67,814	1,116,189	534,255	3,415,833
Pacific	4,978,810	170,026	459,652	753,777	4,960,182	3,045,010
East South Central	198,771	307,023	174,481	0	126,171	2,758,656
West North Central	556,167	1,572,118	6,470,890	2,669,508	2,593,434	1,753,022
Mountain	121,403	54,985	118,387	0	131,035	887,675
New England	659,022	295,424	1,682,813	375,391	1,788,443	787,130
Middle Atlantic	4,279,817	2,416,804	2,236,481	2,400,622	1,714,881	743,418
<b>All</b>	<b>26,234,734</b>	<b>10,823,263</b>	<b>24,576,328</b>	<b>14,542,616</b>	<b>30,447,800</b>	<b>27,209,569</b>

### Stationary Tool Inserts, cermet - Region



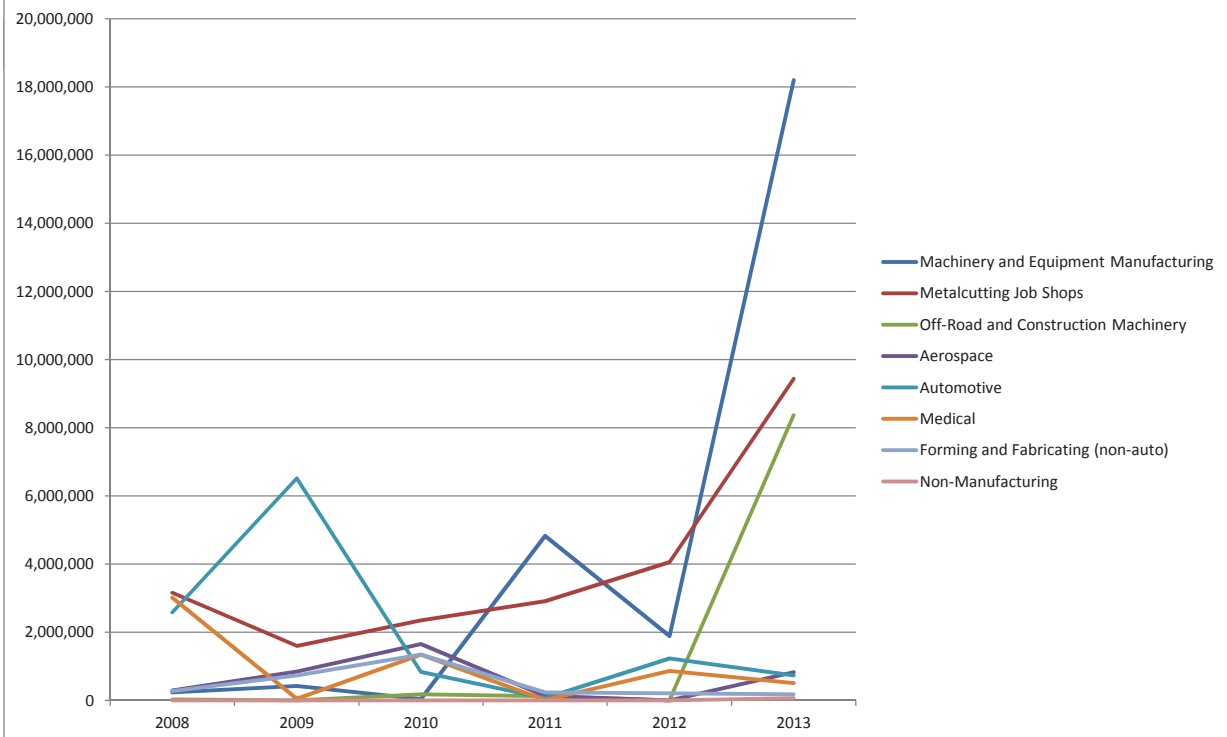
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Stationary Tool Inserts, other

Industry	2008	2009	2010	2011	2012	2013
Machinery and Equipment Manufacturing	237,119	429,541	38,305	4,831,166	1,887,423	18,199,445
Metalcutting Job Shops	3,161,106	1,601,853	2,351,257	2,916,595	4,057,861	9,440,170
Off-Road and Construction Machinery	26,614	0	177,585	124,141	5,744	8,362,403
Aerospace	290,744	852,344	1,651,753	131,280	0	828,889
Automotive	2,581,487	6,517,786	833,737	65,933	1,234,789	736,855
Medical	3,015,363	54,313	1,341,955	13,253	865,108	511,966
Forming and Fabricating (non-auto)	278,937	733,328	1,344,381	234,571	209,527	179,194
Non-Manufacturing	0	0	0	0	0	67,920
Industrial Motors, Hydraulic and Mechanical Components	31,700	168,782	488,937	443,897	804,183	58,793
HVAC	141,197	0	36,590	0	0	25,990
Electronics, Computers, and Telecommunications	579,131	49,162	4,931,618	497,759	296,510	21,807
Custom Processors	508,191	506,905	0	15,051	1,330,655	0
Plastics and Rubber	38,643	150,332	0	887,874	67,712	0
Petrochemical Processors	47,240	3,220	0	0	28,083	0
Pumps, Valves and Plumbing Products	184,696	128,478	121,968	5,762,157	24,196	0
Power Generation	543,891	234,173	83,747	9,428	7,659	0
Hardware	524,833	13,966	170,755	2,149,820	0	0
Oil, Gas Field, and Mining Machinery	12,693	105,378	965,828	540,295	0	0
Appliances	0	0	0	258,143	0	0
Military	0	0	153,679	0	0	0
Other Manufacturing	77,286	0	5,689	0	0	0
Primary Metals	15,968	262,387	0	0	0	0
Wood and Paper Products	0	41,781	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>12,296,839</b>	<b>11,853,728</b>	<b>14,697,784</b>	<b>18,881,361</b>	<b>10,819,448</b>	<b>38,433,433</b>

### Stationary Tool Inserts, other - Industry

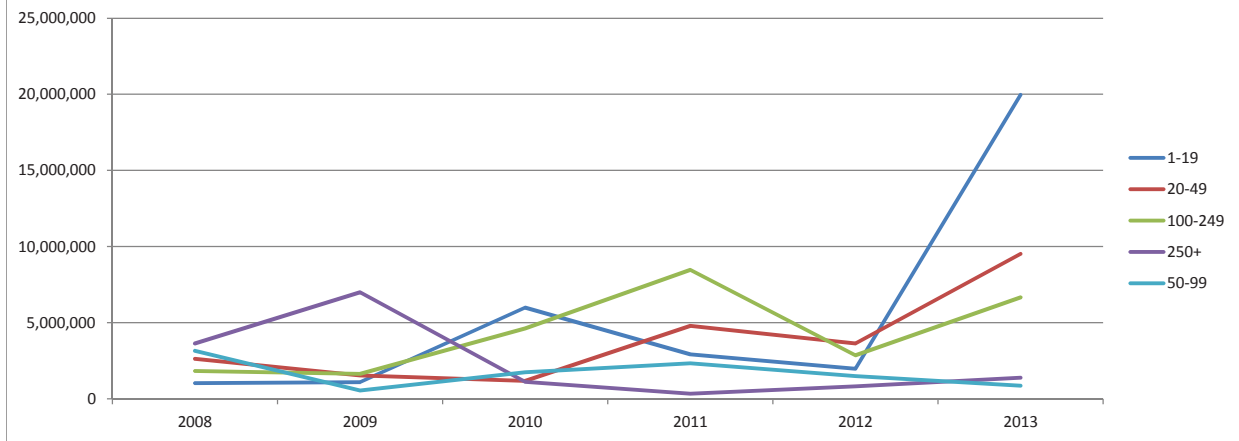


# STATIONARY TOOL INSERTS, OTHER

## Stationary Tool Inserts, other

Plant Size	2008	2009	2010	2011	2012	2013
1-19	1,036,586	1,092,562	6,004,314	2,937,471	1,989,150	19,975,721
20-49	2,624,299	1,549,603	1,184,999	4,792,615	3,638,100	9,520,340
100-249	1,828,567	1,650,079	4,634,823	8,473,016	2,855,870	6,671,602
250+	3,645,894	6,999,195	1,124,492	338,238	832,513	1,401,197
50-99	3,161,493	562,290	1,749,155	2,340,022	1,503,815	864,573
<b>All</b>	<b>12,296,839</b>	<b>11,853,728</b>	<b>14,697,784</b>	<b>18,881,361</b>	<b>10,819,448</b>	<b>38,433,433</b>

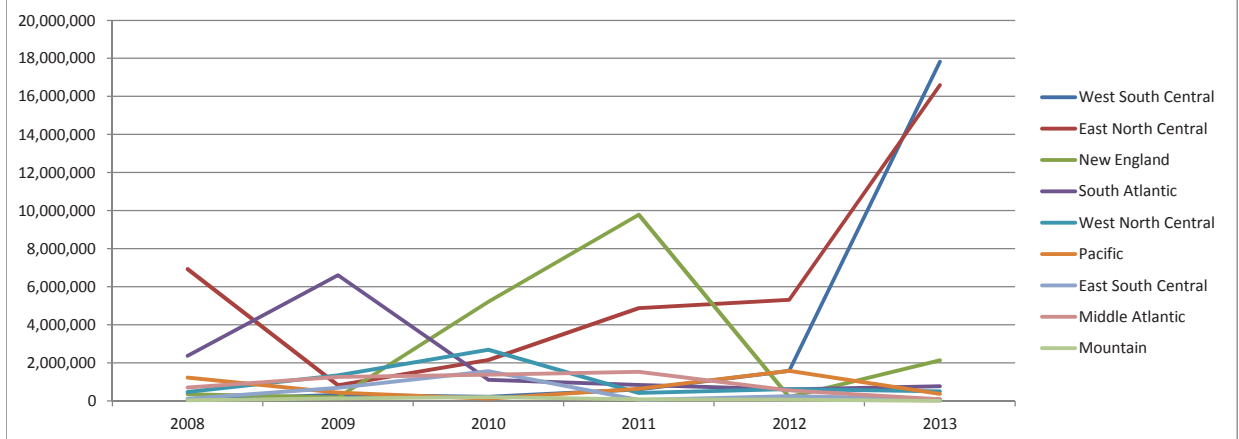
### Stationary Tool Inserts, other - Plant Size



## Stationary Tool Inserts, other

Region	2008	2009	2010	2011	2012	2013
West South Central	48,046	324,714	224,385	613,062	1,583,762	17,815,611
East North Central	6,934,326	827,809	2,158,965	4,880,046	5,316,517	16,601,719
New England	361,945	184,265	5,209,370	9,787,590	213,527	2,137,611
South Atlantic	2,370,811	6,617,634	1,121,492	847,205	617,851	782,687
West North Central	473,528	1,344,180	2,694,643	431,769	620,130	514,121
Pacific	1,223,887	443,917	117,174	643,157	1,578,858	381,589
East South Central	127,163	696,642	1,574,650	61,284	257,530	110,163
Middle Atlantic	711,810	1,273,915	1,385,184	1,532,636	567,107	89,932
Mountain	45,323	140,653	211,921	84,612	64,166	0
<b>All</b>	<b>12,296,839</b>	<b>11,853,728</b>	<b>14,697,784</b>	<b>18,881,361</b>	<b>10,819,448</b>	<b>38,433,433</b>

### Stationary Tool Inserts, other - Region



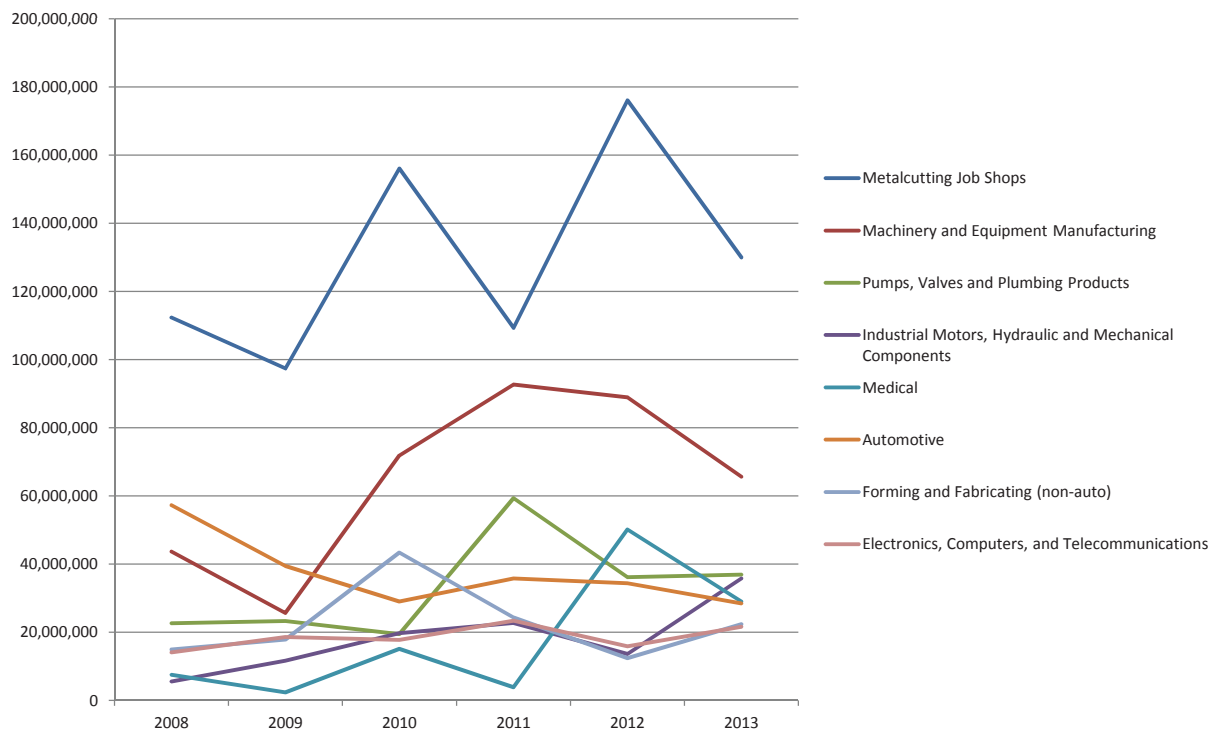
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Rotary Tool Inserts, carbide

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	112,280,282	97,336,613	156,077,358	109,262,981	176,049,904	129,987,454
Machinery and Equipment Manufacturing	43,719,301	25,677,918	71,886,136	92,712,567	88,968,754	65,631,822
Pumps, Valves and Plumbing Products	22,639,784	23,292,323	19,415,998	59,363,716	36,161,438	36,937,700
Industrial Motors, Hydraulic and Mechanical Components	5,591,000	11,647,764	19,754,877	22,766,116	13,649,058	35,774,798
Medical	7,577,136	2,337,268	15,124,129	3,904,048	50,175,984	29,048,774
Automotive	57,329,197	39,420,393	28,998,041	35,754,090	34,356,796	28,514,903
Forming and Fabricating (non-auto)	14,966,117	17,833,410	43,401,317	24,333,793	12,413,588	22,379,265
Electronics, Computers, and Telecommunications	14,080,577	18,630,950	17,783,253	23,420,205	15,912,125	21,599,527
Petrochemical Processors	1,053,352	1,738,772	946,039	556,537	4,739,792	16,132,725
HVAC	3,551,665	5,819,289	3,674,982	335,849	3,640,963	10,804,527
Aerospace	13,876,721	15,026,104	28,253,709	62,669,601	40,965,873	10,345,710
Power Generation	7,767,015	10,322,092	1,104,571	418,745	7,472,269	8,692,957
Other Manufacturing	11,065,417	3,670,888	1,623,306	16,886,633	11,278,380	6,825,795
Off-Road and Construction Machinery	12,015,149	5,959,495	8,575,066	17,667,283	8,656,893	4,132,803
Oil, Gas Field, and Mining Machinery	38,216,118	10,157,096	35,111,104	27,480,056	3,641,162	3,961,489
Military	11,268,570	5,589,761	5,918,163	2,698,422	585,675	3,449,188
Hardware	23,897,350	1,772,223	11,630,140	6,730,218	2,177,746	2,716,800
Plastics and Rubber	149,351	783,082	1,564,239	2,057,689	3,023,740	2,107,189
Ship Building	46,619	0	0	0	978,604	2,073,535
Non-Manufacturing	12,534,677	790,783	927,075	3,834,836	128,332	1,311,099
Custom Processors	8,185,978	11,222,916	14,681,319	10,337,847	6,376,261	40,315
Primary Metals	1,676,550	2,516,614	7,856,848	1,701,129	4,015,318	30,236
Appliances	386,548	8,781	341,334	3,337,929	995,904	0
Wood and Paper Products	0	624,472	0	148,269	19,147	0
Furniture Manufacturing	286,362	31,613	487,870	6,097,334	0	0
Construction Materials	0	81,805	0	0	0	0
Printing	101,546	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>424,262,382</b>	<b>312,292,427</b>	<b>495,136,873</b>	<b>534,475,894</b>	<b>526,383,706</b>	<b>442,498,611</b>

### Rotary Tool Inserts, carbide - Industry



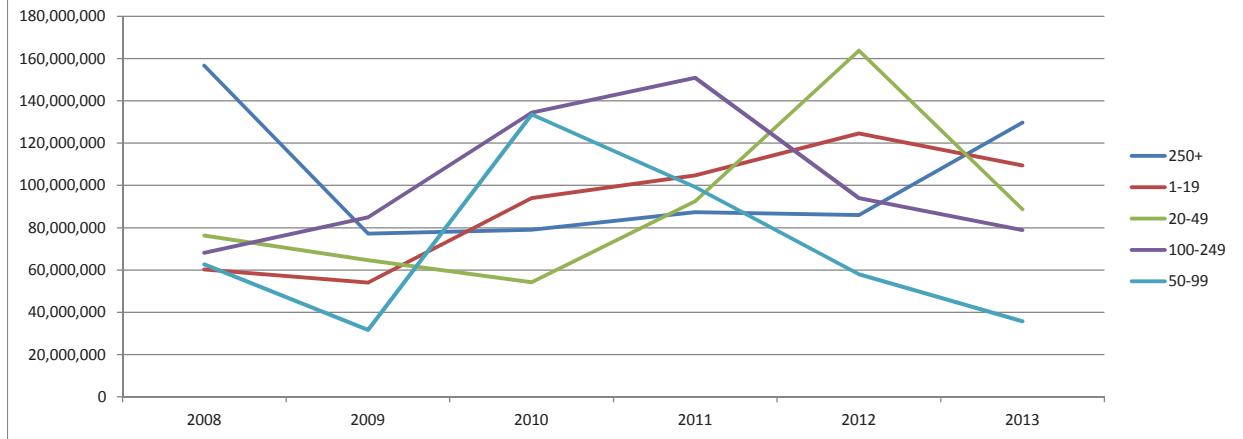


# ROTARY TOOL INSERTS, CARBIDE

## Rotary Tool Inserts, carbide

Plant Size	2008	2009	2010	2011	2012	2013
250+	156,681,171	77,195,842	79,047,638	87,297,842	85,929,573	129,763,906
1-19	60,324,726	54,005,787	94,004,568	104,675,491	124,617,829	109,393,421
20-49	76,329,922	64,582,616	54,206,594	92,509,430	163,810,485	88,666,220
100-249	68,179,045	84,842,637	134,460,678	150,805,149	93,996,983	78,888,965
50-99	62,747,518	31,665,544	133,417,394	99,187,982	58,028,836	35,786,098
<b>All</b>	<b>424,262,382</b>	<b>312,292,427</b>	<b>495,136,873</b>	<b>534,475,894</b>	<b>526,383,706</b>	<b>442,498,611</b>

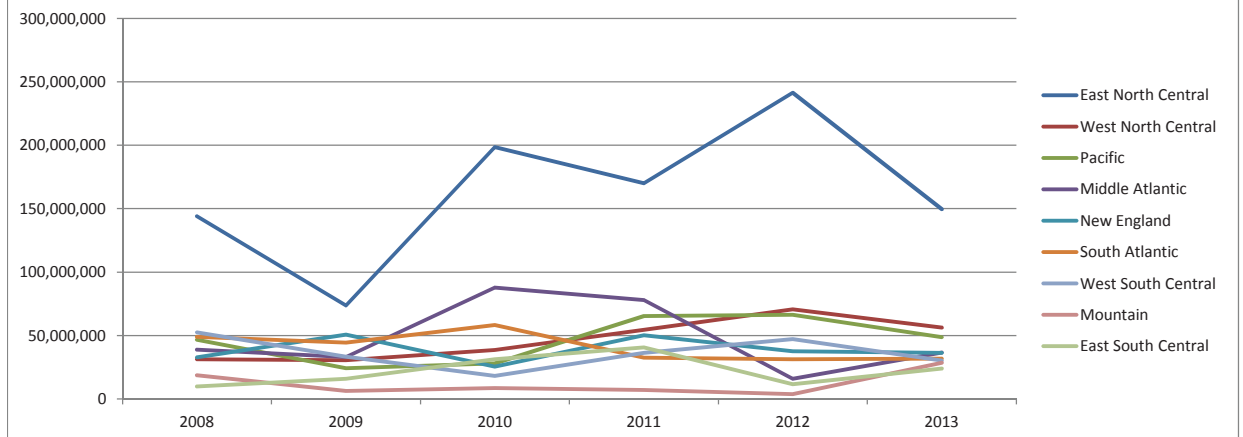
### Rotary Tool Inserts, carbide - Plant Size



## Rotary Tool Inserts, carbide

Region	2008	2009	2010	2011	2012	2013
East North Central	144,057,723	73,674,321	198,436,474	169,958,470	241,399,124	149,712,388
West North Central	31,327,188	30,688,874	38,681,424	54,416,868	70,697,582	56,193,805
Pacific	46,690,026	24,168,049	28,070,928	65,341,493	66,389,702	48,709,720
Middle Atlantic	38,961,006	33,108,978	87,715,253	78,036,672	15,999,106	36,707,540
New England	32,844,669	50,720,130	25,604,273	50,202,332	37,762,536	36,504,097
South Atlantic	49,015,876	44,387,953	58,273,195	32,579,329	31,373,684	31,800,340
West South Central	52,511,059	33,273,101	18,292,622	36,334,963	47,232,264	30,238,480
Mountain	18,853,011	6,429,280	8,626,696	7,044,805	3,879,601	28,634,120
East South Central	10,001,823	15,841,741	31,436,008	40,560,961	11,650,107	23,998,121
<b>All</b>	<b>424,262,382</b>	<b>312,292,427</b>	<b>495,136,873</b>	<b>534,475,894</b>	<b>526,383,706</b>	<b>442,498,611</b>

### Rotary Tool Inserts, carbide - Region



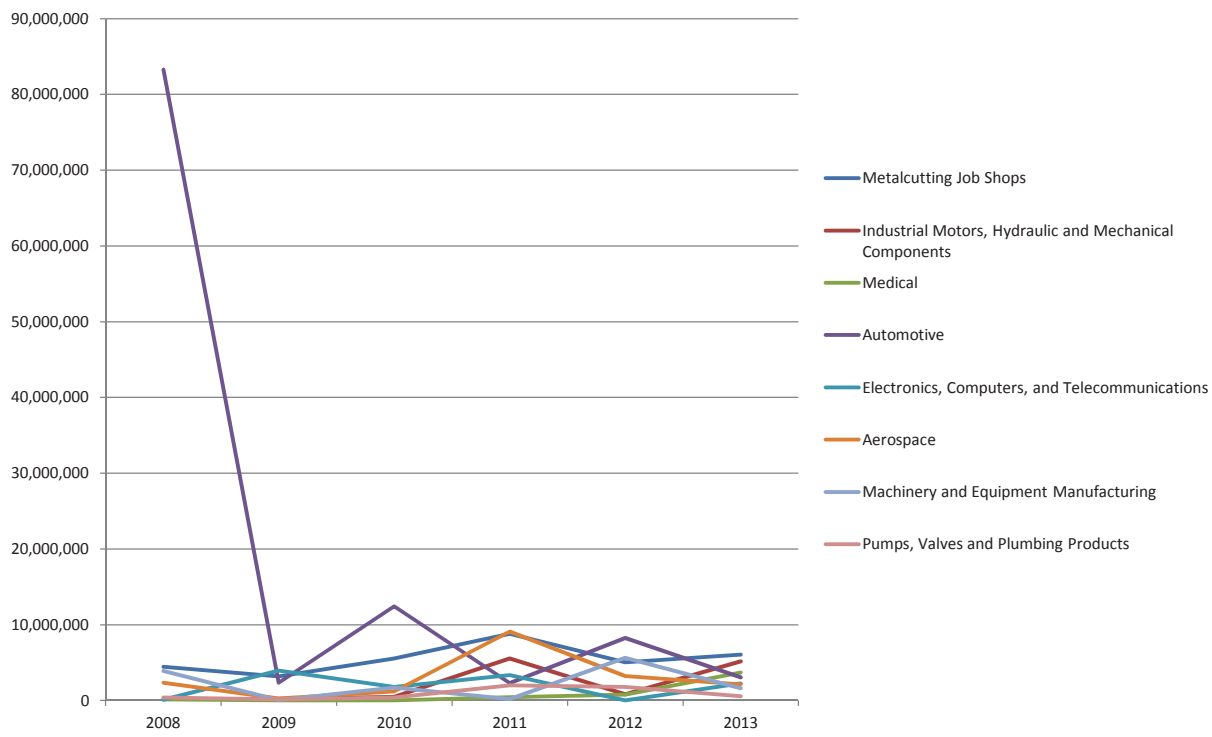
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Rotary Tool Inserts, CBN or diamond-film

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	4,429,121	3,165,432	5,532,739	8,804,312	5,022,003	6,061,084
Industrial Motors, Hydraulic and Mechanical Components	179,481	209,420	461,432	5,557,722	812,100	5,154,643
Medical	148,771	29,884	16,524	418,279	771,502	3,683,917
Automotive	83,277,730	2,315,193	12,415,449	2,301,720	8,233,383	3,042,748
Electronics, Computers, and Telecommunications	108,832	3,961,798	1,789,614	3,350,597	24,308	2,257,035
Aerospace	2,315,550	245,485	1,191,340	9,073,785	3,205,376	2,139,607
Machinery and Equipment Manufacturing	3,905,033	67,984	1,698,232	201,592	5,618,653	1,630,903
Pumps, Valves and Plumbing Products	376,199	131,722	387,857	2,001,174	1,791,225	548,746
Forming and Fabricating (non-auto)	1,532,641	516,848	291,413	55,975	277,459	494,859
Ship Building	0	0	0	0	0	230,393
Petrochemical Processors	8,158	19,398	69,560	0	42,124	151,607
Other Manufacturing	421,074	146,646	724,278	5,318,547	2,903,994	121,286
Hardware	0	0	1,480,028	883,102	0	48,514
Non-Manufacturing	0	136,342	0	1,209,292	76,999	27,896
Oil, Gas Field, and Mining Machinery	0	210,756	37,921	0	161,308	19,492
Power Generation	33,022	0	4,652	53,776	0	8,399
HVAC	8,124	0	430,582	0	164,535	5,039
Plastics and Rubber	19,162	129,651	301,198	0	21,910	560
Custom Processors	191,273	697,669	119,853	22,794	1,563,603	0
Off-Road and Construction Machinery	139,721	0	225,396	33,276	550,913	0
Primary Metals	0	121,355	0	129,165	15,400	0
Appliances	0	0	0	497,710	0	0
Military	0	0	51,226	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>97,093,891</b>	<b>12,105,581</b>	<b>27,229,294</b>	<b>39,912,817</b>	<b>31,256,795</b>	<b>25,626,727</b>

### Rotary Tool Inserts, CBN or diamond-film - Industry

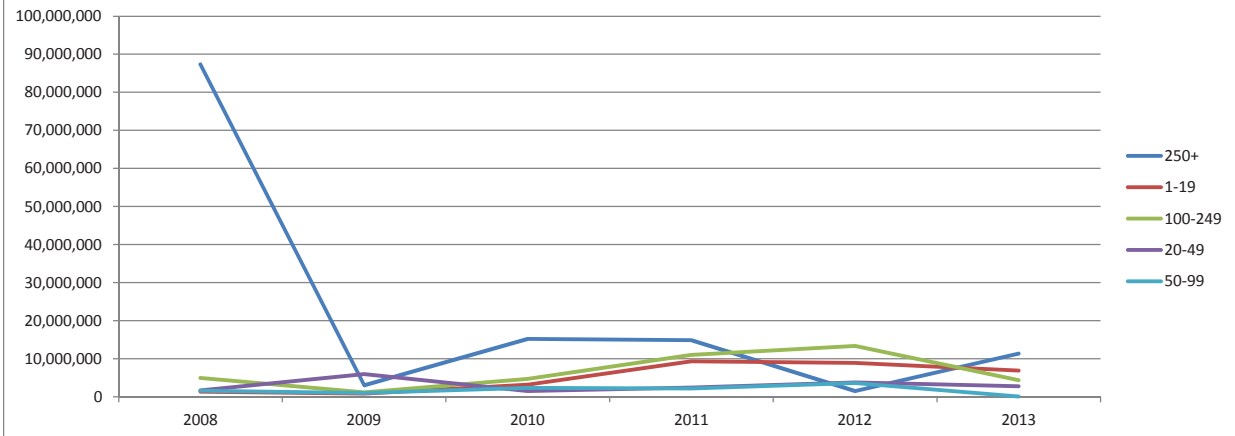


# ROTARY TOOL INSERTS, CBN or DIAMOND-FILM

## Rotary Tool Inserts, CBN or diamond-film

Plant Size	2008	2009	2010	2011	2012	2013
250+	87,381,604	3,029,378	15,278,637	14,873,592	1,520,332	11,385,679
1-19	1,332,386	885,295	3,246,265	9,352,452	8,903,693	6,884,003
100-249	5,020,496	1,166,263	4,752,611	11,019,365	13,403,687	4,369,997
20-49	1,697,180	5,983,540	1,579,667	2,488,083	3,782,282	2,837,671
50-99	1,662,226	1,041,104	2,372,114	2,179,325	3,646,801	149,377
<b>All</b>	<b>97,093,891</b>	<b>12,105,581</b>	<b>27,229,294</b>	<b>39,912,817</b>	<b>31,256,795</b>	<b>25,626,727</b>

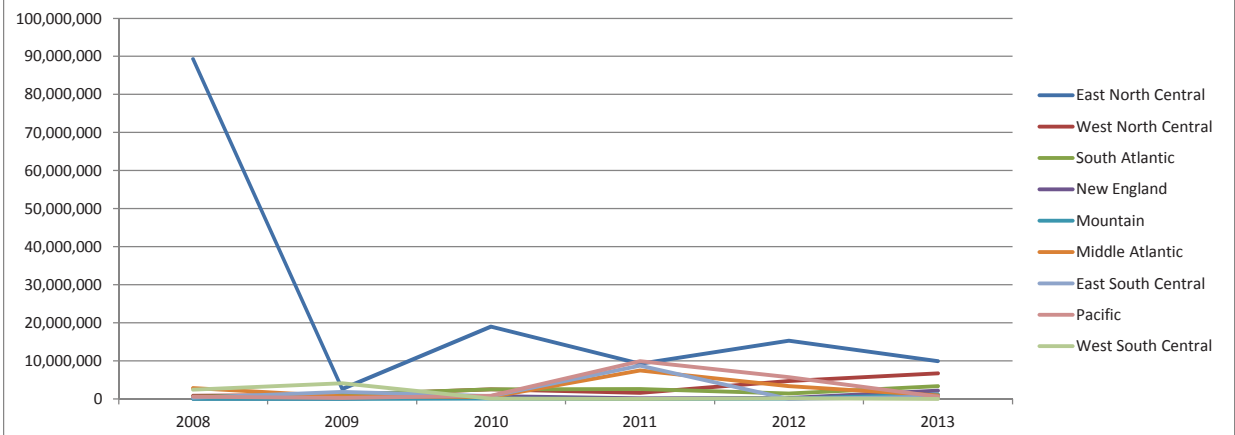
### Rotary Tool Inserts, CBN or diamond-film - Plant Size



## Rotary Tool Inserts, CBN or diamond-film

Region	2008	2009	2010	2011	2012	2013
East North Central	89,244,574	2,642,795	18,996,891	9,237,315	15,335,133	9,943,249
West North Central	871,902	1,093,685	2,560,646	1,637,778	4,742,466	6,745,976
South Atlantic	584,934	1,181,976	2,565,361	2,607,850	1,429,461	3,386,712
New England	95,958	122,981	749,879	169,663	253,381	2,216,877
Mountain	5,944	55,831	90,505	51,286	124,582	1,212,857
Middle Atlantic	2,871,173	716,334	502,107	7,483,308	3,390,306	913,671
East South Central	340,819	1,908,095	770,935	8,762,531	11,951	605,196
Pacific	635,738	236,472	854,045	9,963,086	5,776,029	571,866
West South Central	2,442,849	4,147,411	138,925	0	193,485	30,321
<b>All</b>	<b>97,093,891</b>	<b>12,105,581</b>	<b>27,229,294</b>	<b>39,912,817</b>	<b>31,256,795</b>	<b>25,626,727</b>

### Rotary Tool Inserts, CBN or diamond-film - Region



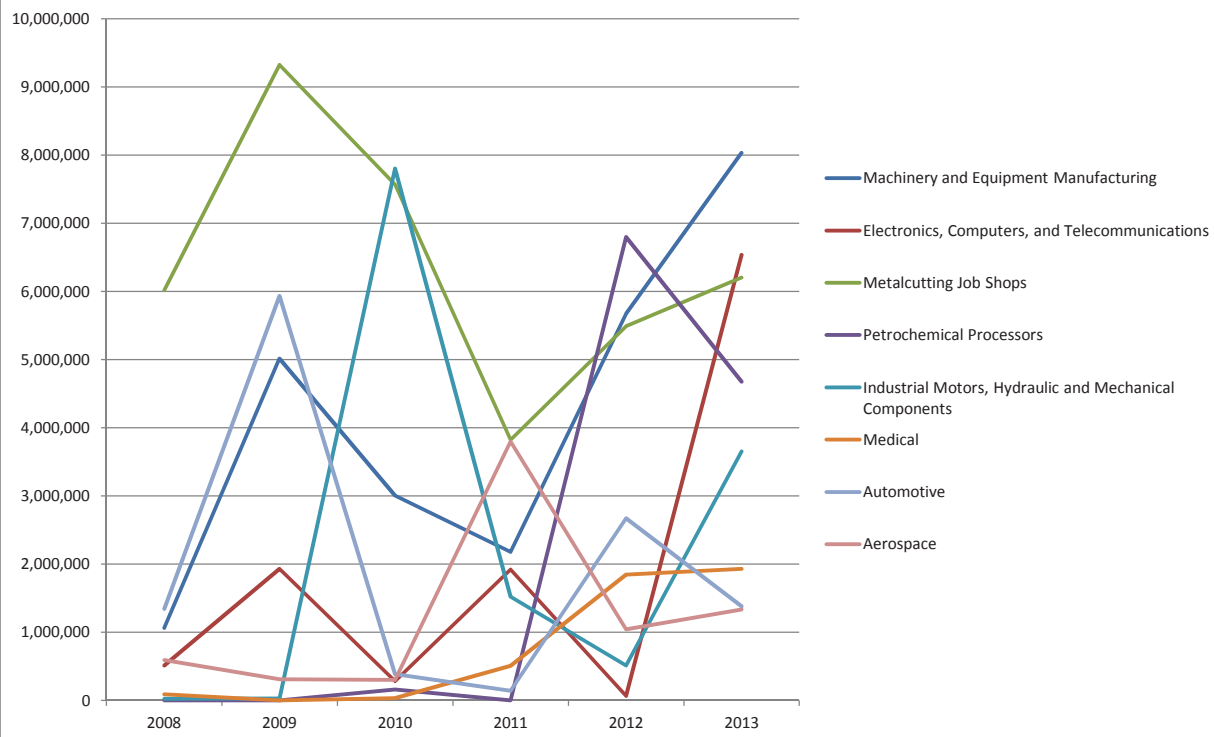
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Rotary Tool Inserts, ceramic

Industry	2008	2009	2010	2011	2012	2013
Machinery and Equipment Manufacturing	1,062,844	5,015,598	3,003,187	2,179,966	5,669,827	8,030,504
Electronics, Computers, and Telecommunications	514,056	1,929,857	281,791	1,920,261	66,038	6,535,509
Metalcutting Job Shops	6,020,194	9,323,784	7,566,018	3,823,347	5,489,400	6,202,902
Petrochemical Processors	0	0	160,000	0	6,796,014	4,678,163
Industrial Motors, Hydraulic and Mechanical Components	23,420	27,540	7,804,313	1,524,436	513,329	3,652,262
Medical	90,810	2,727	32,619	509,661	1,844,607	1,932,287
Automotive	1,341,927	5,935,811	384,664	141,185	2,671,687	1,382,561
Aerospace	593,999	313,363	303,751	3,798,962	1,041,117	1,332,258
Pumps, Valves and Plumbing Products	1,195,236	1,706,824	362,375	4,763,964	867,950	892,037
Forming and Fabricating (non-auto)	769,992	344,353	419,191	609,776	190,307	666,250
Off-Road and Construction Machinery	164,268	40,980	34,151	1,586,061	1,891,662	433,163
HVAC	14,511	0	3,621,856	0	0	384,283
Hardware	122,372	21,337	1,713,086	1,441,010	0	145,543
Plastics and Rubber	41,166	14,548	0	0	1,276	143,224
Oil, Gas Field, and Mining Machinery	6,736	292,561	0	0	645,234	77,969
Military	0	702,519	126,358	0	0	31,356
Power Generation	232,309	0	119,647	3,861	0	12,598
Primary Metals	0	334,201	243,935	0	46,200	3,360
Other Manufacturing	29,059	1,957,869	0	36,699	319,120	0
Custom Processors	257,967	2,259,928	77,617	862,064	59,214	0
Appliances	0	0	0	979,560	0	0
Non-Manufacturing	0	0	103,008	251,033	0	0
Wood and Paper Products	0	0	0	37,067	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>12,480,867</b>	<b>30,223,799</b>	<b>26,357,568</b>	<b>24,468,913</b>	<b>28,112,984</b>	<b>36,536,229</b>

### Rotary Tool Inserts, ceramic - Industry

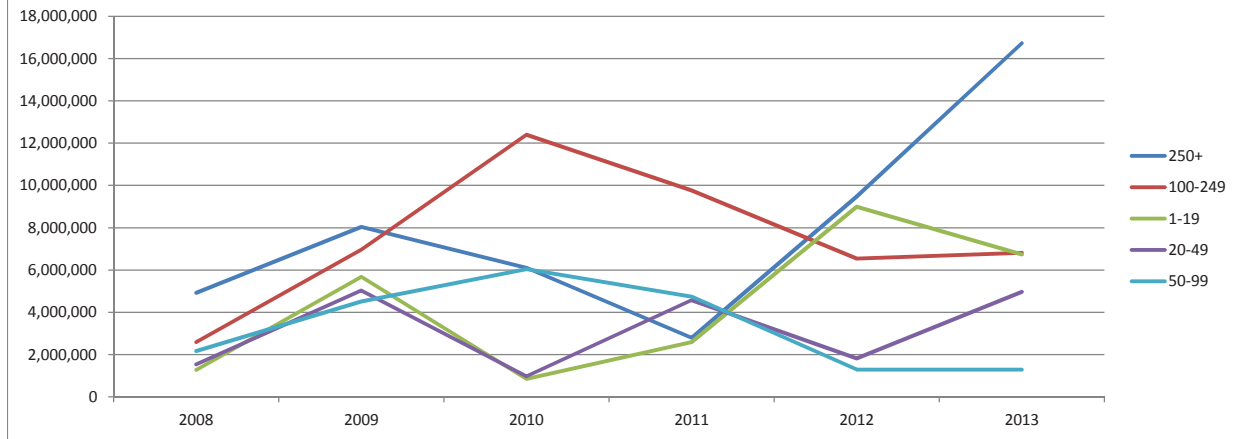


# ROTARY TOOL INSERTS, CERAMIC

## Rotary Tool Inserts, ceramic

Plant Size	2008	2009	2010	2011	2012	2013
250+	4,927,728	8,032,600	6,095,940	2,790,386	9,470,846	16,725,517
100-249	2,588,140	6,965,495	12,388,784	9,761,456	6,542,602	6,814,105
1-19	1,273,900	5,672,829	856,686	2,597,238	8,987,109	6,731,319
20-49	1,529,797	5,033,240	971,381	4,577,811	1,818,847	4,967,524
50-99	2,161,302	4,519,635	6,044,777	4,742,021	1,293,580	1,297,765
<b>All</b>	<b>12,480,867</b>	<b>30,223,799</b>	<b>26,357,568</b>	<b>24,468,913</b>	<b>28,112,984</b>	<b>36,536,229</b>

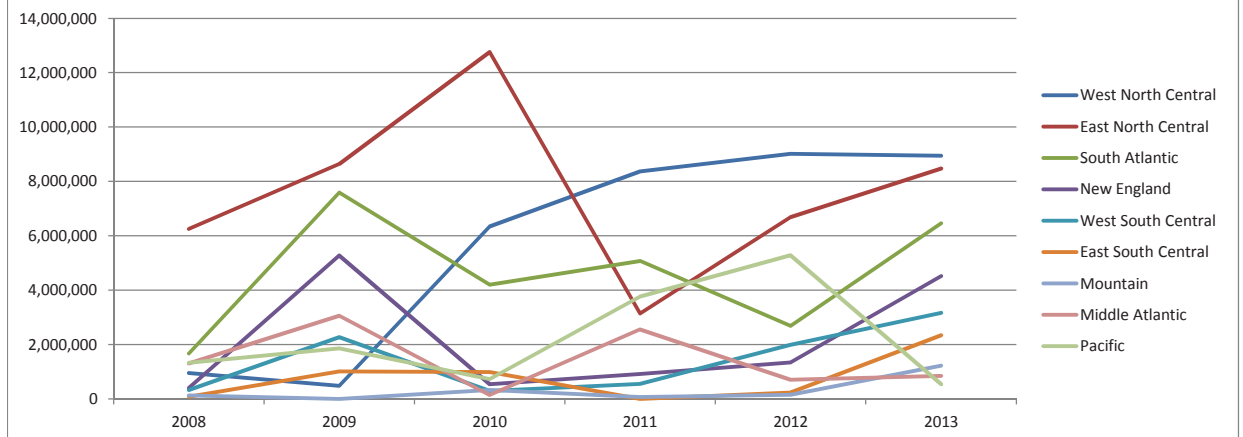
### Rotary Tool Inserts, ceramic - Plant Size



## Rotary Tool Inserts, ceramic

Region	2008	2009	2010	2011	2012	2013
West North Central	958,213	489,818	6,350,372	8,373,026	9,022,102	8,943,305
East North Central	6,251,764	8,644,618	12,761,300	3,141,560	6,684,821	8,471,275
South Atlantic	1,668,810	7,596,000	4,202,570	5,070,058	2,687,754	6,467,510
New England	399,948	5,279,834	540,408	918,191	1,340,368	4,525,641
West South Central	334,747	2,275,582	295,162	554,935	1,987,371	3,165,767
East South Central	90,821	1,009,871	996,272	0	236,910	2,347,303
Mountain	133,734	5,454	335,248	79,296	158,680	1,222,605
Middle Atlantic	1,303,849	3,060,823	146,269	2,557,756	713,435	852,380
Pacific	1,338,982	1,861,800	729,968	3,774,091	5,281,543	540,442
<b>All</b>	<b>12,480,867</b>	<b>30,223,799</b>	<b>26,357,568</b>	<b>24,468,913</b>	<b>28,112,984</b>	<b>36,536,229</b>

### Rotary Tool Inserts, ceramic - Region



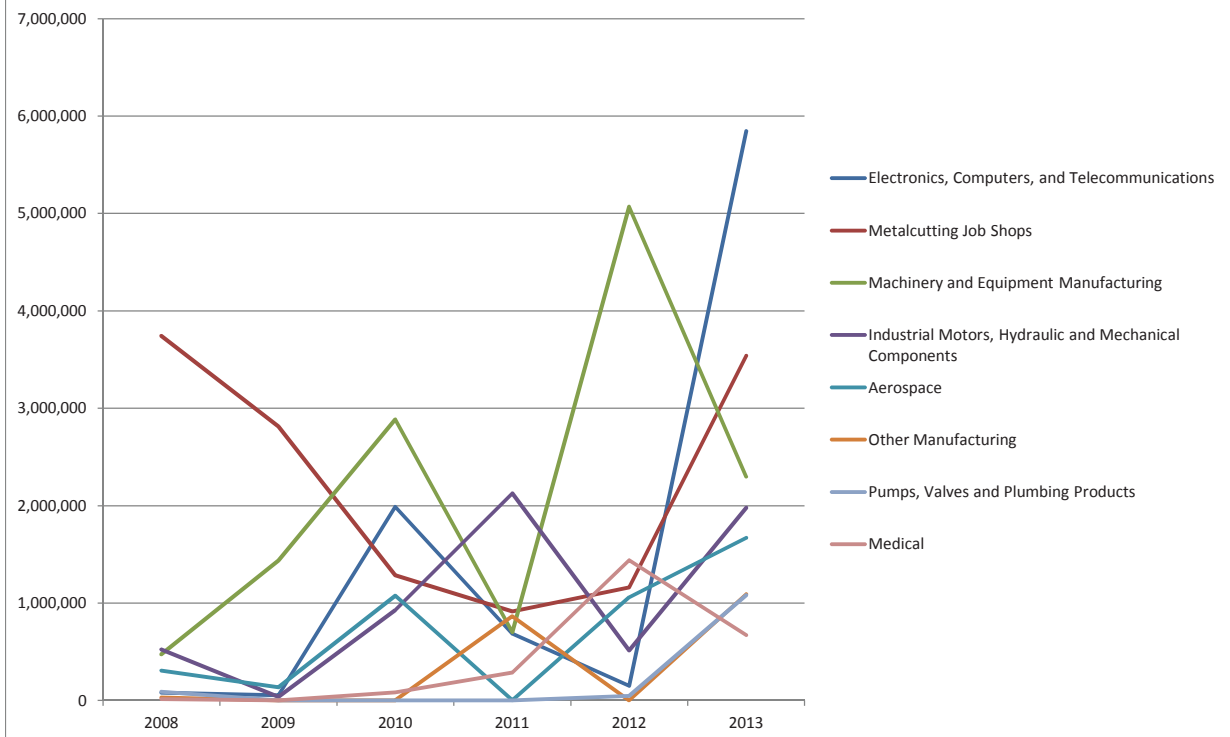
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Rotary Tool Inserts, cermet

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	80,974	52,724	1,989,437	684,797	149,540	5,845,913
Metalcutting Job Shops	3,744,592	2,813,811	1,285,610	913,782	1,159,619	3,539,511
Machinery and Equipment Manufacturing	473,883	1,437,045	2,886,573	699,272	5,070,015	2,297,236
Industrial Motors, Hydraulic and Mechanical Components	523,108	37,435	928,440	2,127,841	513,329	1,980,252
Aerospace	306,044	136,225	1,075,670	0	1,060,090	1,668,466
Other Manufacturing	29,059	0	0	864,901	0	1,091,571
Pumps, Valves and Plumbing Products	89,733	0	0	0	48,393	1,080,742
Medical	13,307	0	84,397	286,458	1,439,888	670,374
Automotive	56,526	1,021,332	275,584	309,615	569,406	632,543
Forming and Fabricating (non-auto)	2,096,605	85,295	528,436	396,723	292,090	610,837
Off-Road and Construction Machinery	817,516	0	1,375,759	49,915	1,079,376	108,291
Oil, Gas Field, and Mining Machinery	0	0	3,863,313	0	161,308	97,462
Military	0	0	51,226	0	0	47,034
Plastics and Rubber	6,387	5,819	0	0	0	280
Custom Processors	0	1,709,316	39,518	570,528	449,163	0
Hardware	0	135,783	1,382,924	494,005	0	0
Appliances	0	0	0	489,780	0	0
Non-Manufacturing	0	0	0	169,479	0	0
HVAC	8,124	0	394,352	0	0	0
Petrochemical Processors	0	0	53,333	0	0	0
Power Generation	0	89,986	2,439	0	0	0
Primary Metals	0	34,109	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>8,245,858</b>	<b>7,558,880</b>	<b>16,217,011</b>	<b>8,057,095</b>	<b>11,992,219</b>	<b>19,670,513</b>

### Rotary Tool Inserts, cermet - Industry

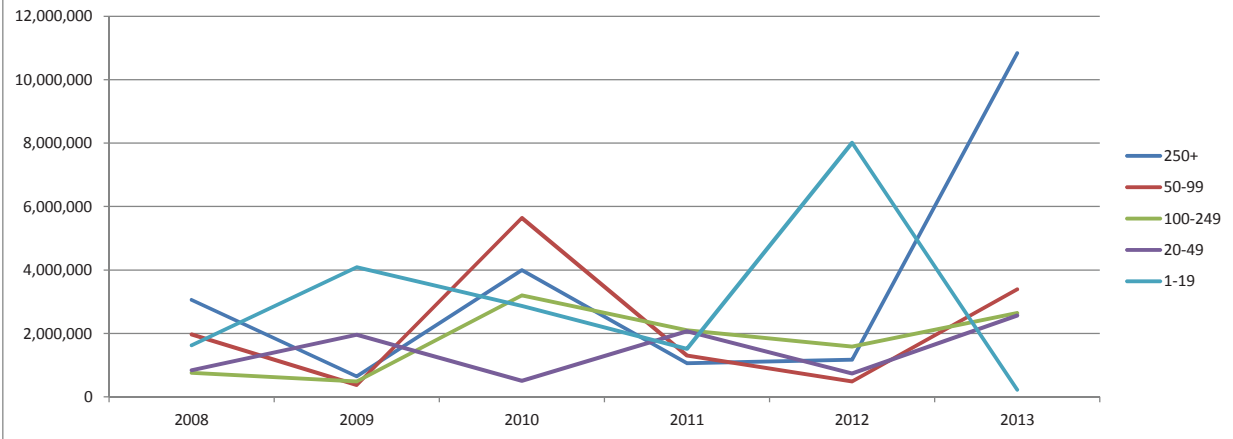


# ROTARY TOOL INSERTS, CERMET

## Rotary Tool Inserts, cermet

Plant Size	2008	2009	2010	2011	2012	2013
250+	3,056,705	645,439	3,993,707	1,064,523	1,169,217	10,835,796
50-99	1,970,197	376,587	5,637,318	1,302,770	486,400	3,390,395
100-249	758,221	486,493	3,204,695	2,100,826	1,585,389	2,649,883
20-49	838,097	1,959,861	511,006	2,068,505	743,279	2,564,613
1-19	1,622,638	4,090,500	2,870,285	1,520,471	8,007,934	229,827
<b>All</b>	<b>8,245,858</b>	<b>7,558,880</b>	<b>16,217,011</b>	<b>8,057,095</b>	<b>11,992,219</b>	<b>19,670,513</b>

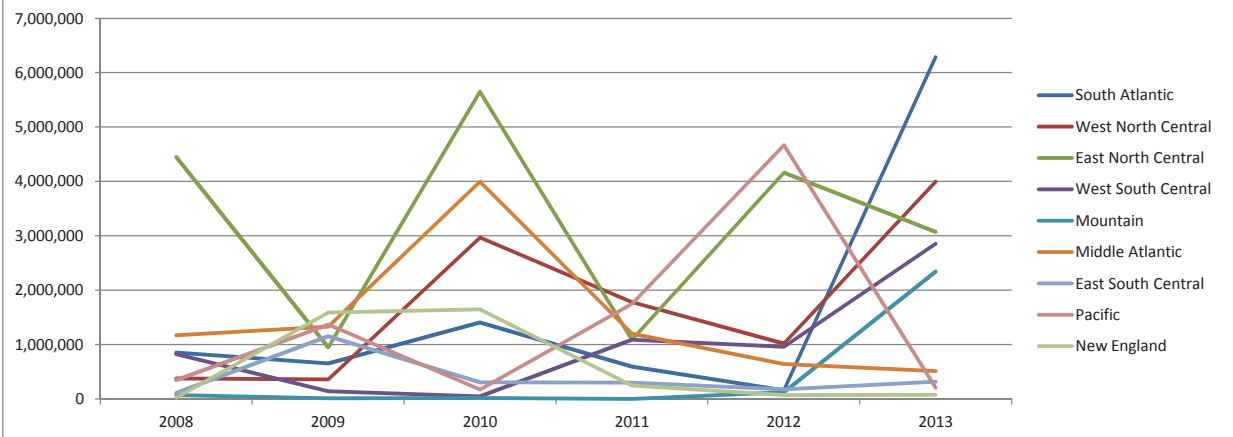
### Rotary Tool Inserts, cermet - Plant Size



## Rotary Tool Inserts, cermet

Region	2008	2009	2010	2011	2012	2013
South Atlantic	853,695	653,670	1,406,530	596,820	160,802	6,287,770
West North Central	376,311	361,714	2,966,806	1,776,942	1,018,768	3,996,377
East North Central	4,452,124	946,323	5,648,496	1,092,896	4,161,323	3,070,434
West South Central	824,212	140,432	51,226	1,090,194	963,385	2,854,531
Mountain	74,297	14,998	21,466	0	124,582	2,344,498
Middle Atlantic	1,174,870	1,333,150	3,997,079	1,202,709	645,234	510,989
East South Central	111,902	1,153,920	309,025	303,917	179,263	318,236
Pacific	350,924	1,364,709	169,619	1,747,497	4,668,355	209,288
New England	27,523	1,589,964	1,646,763	246,120	70,507	78,391
<b>All</b>	<b>8,245,858</b>	<b>7,558,880</b>	<b>16,217,011</b>	<b>8,057,095</b>	<b>11,992,219</b>	<b>19,670,513</b>

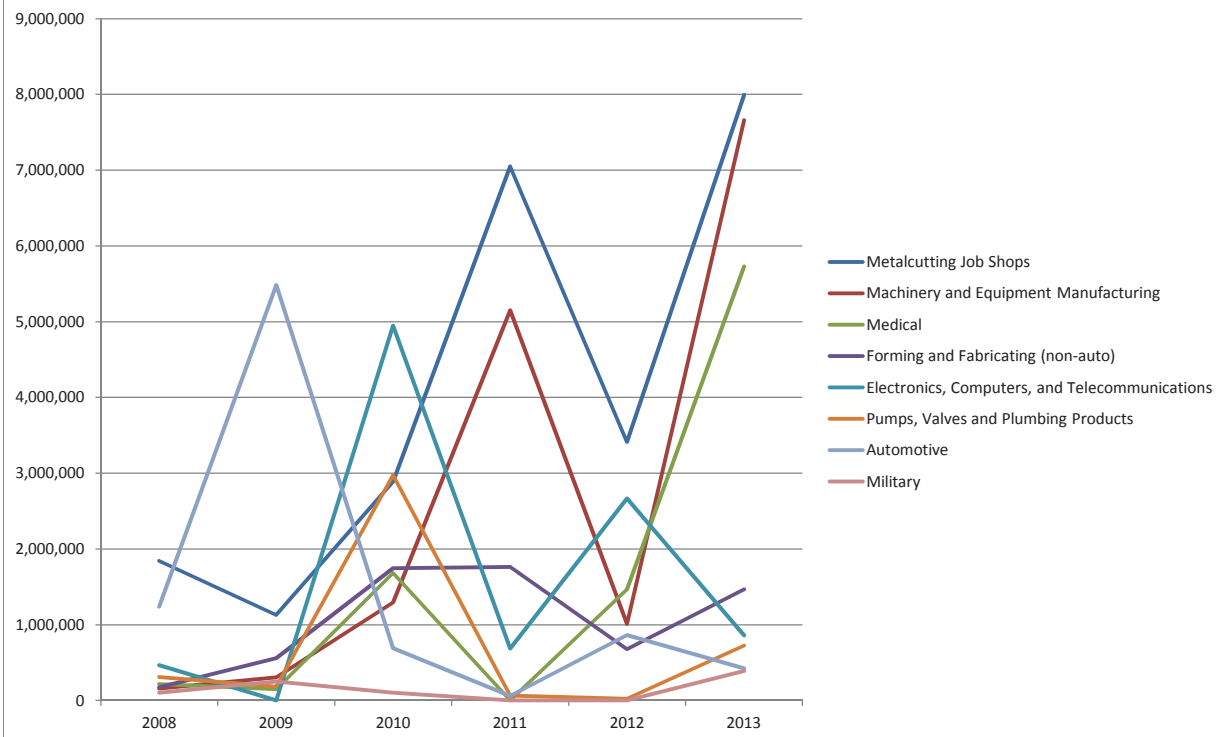
### Rotary Tool Inserts, cermet - Region



### Rotary Tool Inserts, other

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	1,843,455	1,131,233	2,885,894	7,050,609	3,415,527	7,992,132
Machinery and Equipment Manufacturing	157,781	303,582	1,293,594	5,151,905	1,012,411	7,660,901
Medical	215,813	147,090	1,683,464	0	1,466,895	5,730,695
Forming and Fabricating (non-auto)	176,523	557,509	1,746,017	1,761,125	678,965	1,465,755
Electronics, Computers, and Telecommunications	463,843	1,363	4,947,566	684,357	2,668,788	859,776
Pumps, Valves and Plumbing Products	310,795	183,664	2,973,192	63,714	24,196	725,272
Automotive	1,237,260	5,485,192	690,068	62,412	863,028	423,327
Military	101,977	251,033	102,453	0	0	391,953
Industrial Motors, Hydraulic and Mechanical Components	15,850	161,146	1,030,974	374,554	2,401,994	377,484
Aerospace	3,145,193	2,480,178	276,814	1,484,083	774,280	318,255
Non-Manufacturing	0	0	0	1,286,515	0	55,791
HVAC	8,124	0	7,318	0	0	7,797
Power Generation	93,238	468,346	19,515	24,343	746,928	0
Custom Processors	150,036	409,022	15,489	218,310	120,886	0
Plastics and Rubber	34,779	0	0	17,095	21,910	0
Petrochemical Processors	11,887	28,979	0	0	21,062	0
Off-Road and Construction Machinery	196,389	0	375,660	1,182,633	5,744	0
Oil, Gas Field, and Mining Machinery	0	105,378	0	2,645,406	0	0
Appliances	0	8,781	0	508,130	0	0
Hardware	226,802	13,966	8,538	186,348	0	0
Primary Metals	368,851	58,128	241,457	0	0	0
Other Manufacturing	83,448	0	2,844	0	0	0
Wood and Paper Products	0	41,781	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>8,842,045</b>	<b>11,836,372</b>	<b>18,300,857</b>	<b>22,701,539</b>	<b>14,222,615</b>	<b>26,009,139</b>

### Rotary Tool Inserts, other - Industry



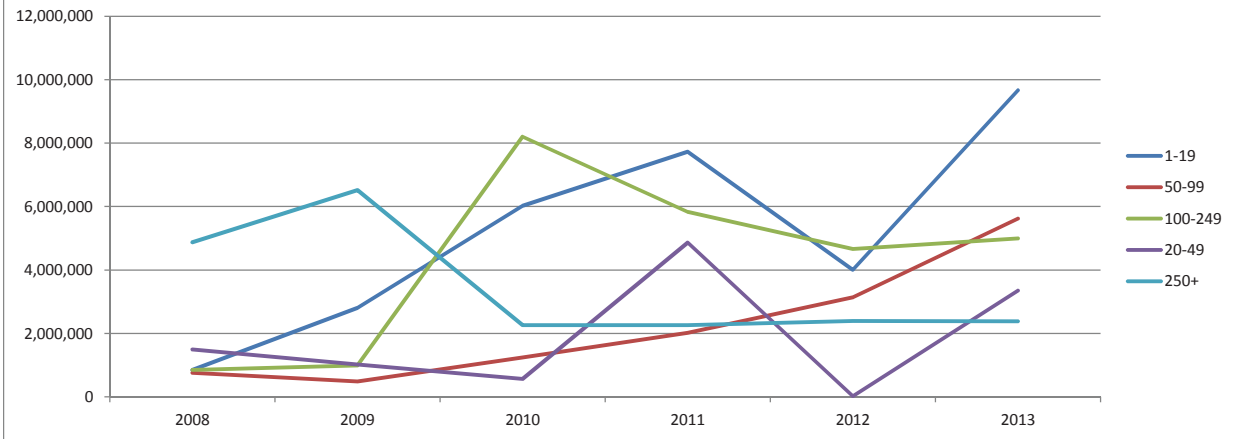


# ROTARY TOOL INSERTS, OTHER

## Rotary Tool Inserts, other

Plant Size	2008	2009	2010	2011	2012	2013
1-19	855,104	2,807,524	6,022,126	7,727,745	4,005,764	9,661,107
50-99	764,420	488,882	1,241,793	2,022,787	3,142,475	5,619,727
100-249	848,569	994,710	8,205,642	5,829,413	4,660,942	4,990,963
20-49	1,498,825	1,024,798	570,455	4,862,350	24,403	3,352,214
250+	4,875,126	6,520,458	2,260,840	2,259,245	2,389,031	2,385,127
<b>All</b>	<b>8,842,045</b>	<b>11,836,372</b>	<b>18,300,857</b>	<b>22,701,539</b>	<b>14,222,615</b>	<b>26,009,139</b>

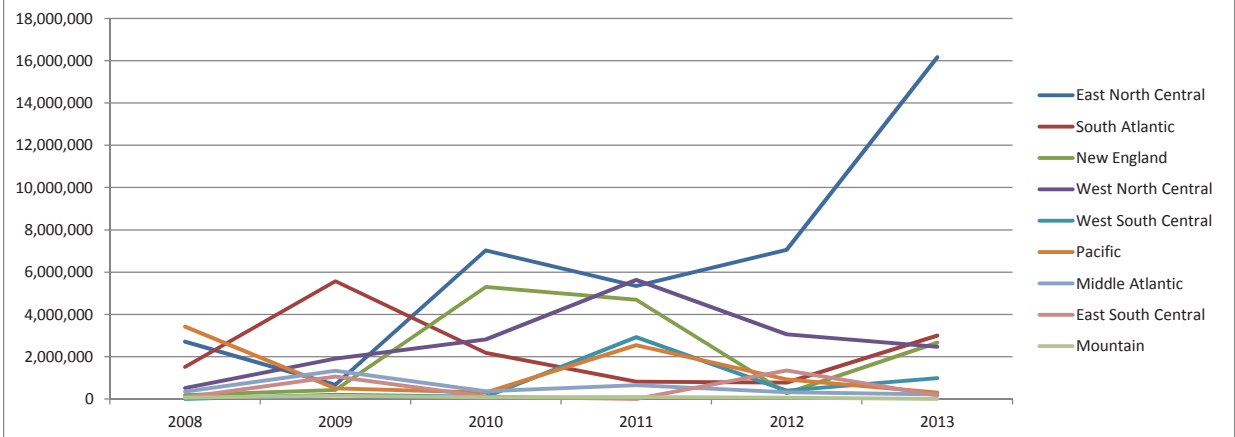
### Rotary Tool Inserts, other - Plant Size



## Rotary Tool Inserts, other

Region	2008	2009	2010	2011	2012	2013
East North Central	2,705,963	671,797	7,029,585	5,342,934	7,049,558	16,163,493
South Atlantic	1,521,411	5,565,636	2,184,022	820,346	777,665	2,995,465
New England	180,212	423,912	5,298,300	4,696,522	278,801	2,674,644
West North Central	515,791	1,911,721	2,821,023	5,627,034	3,061,810	2,466,196
West South Central	0	195,540	104,892	2,929,460	399,336	988,202
Pacific	3,424,675	498,586	308,528	2,539,272	923,056	312,258
Middle Atlantic	355,671	1,341,934	366,288	656,261	315,680	220,934
East South Central	75,018	1,064,070	113,107	0	1,352,543	175,955
Mountain	63,305	163,176	75,110	89,709	64,166	11,991
<b>All</b>	<b>8,842,045</b>	<b>11,836,372</b>	<b>18,300,857</b>	<b>22,701,539</b>	<b>14,222,615</b>	<b>26,009,139</b>

### Rotary Tool Inserts, other - Region

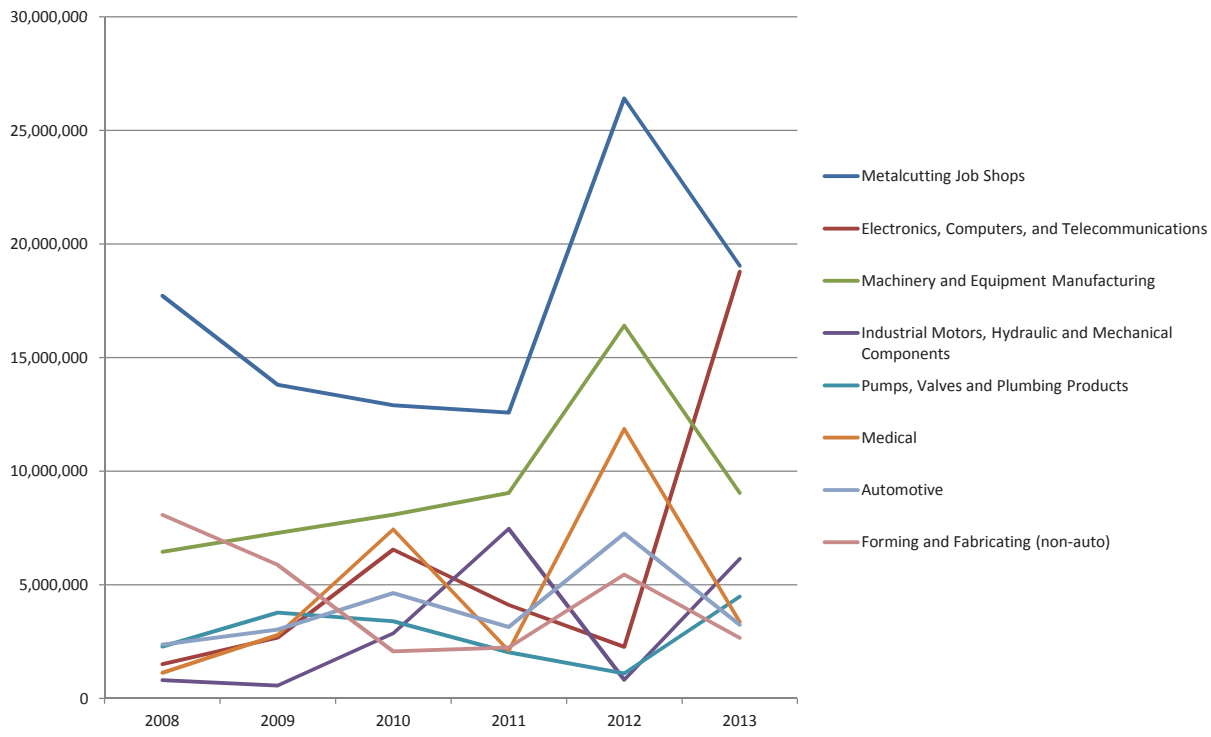


# 2013 CAPITAL SPENDING Tooling Equipment Report

## Milling Tools (ex. Inserts), high-speed steel cutters

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	17,724,383	13,803,715	12,905,889	12,579,361	26,400,405	19,045,475
Electronics, Computers, and Telecommunications	1,507,157	2,683,952	6,553,026	4,111,448	2,265,591	18,770,546
Machinery and Equipment Manufacturing	6,448,129	7,286,094	8,089,324	9,039,165	16,407,068	9,049,300
Industrial Motors, Hydraulic and Mechanical Components	807,481	560,801	2,862,077	7,470,679	827,149	6,140,949
Pumps, Valves and Plumbing Products	2,291,929	3,776,468	3,394,099	2,037,689	1,095,997	4,482,634
Medical	1,131,740	2,798,614	7,439,327	2,107,566	11,860,422	3,367,093
Automotive	2,363,627	3,034,636	4,642,299	3,142,817	7,254,570	3,245,522
Forming and Fabricating (non-auto)	8,073,121	5,876,168	2,070,290	2,239,639	5,450,940	2,663,974
Aerospace	7,142,242	7,625,701	3,634,914	11,235,840	4,705,773	2,338,134
Petrochemical Processors	105,359	69,236	352,199	320,994	454,231	2,286,061
Oil, Gas Field, and Mining Machinery	305,102	565,528	1,045,832	1,819,672	599,186	1,084,667
HVAC	552,373	0	1,037,549	23,789	519,895	950,305
Off-Road and Construction Machinery	963,017	245,391	891,715	3,771,101	3,286,452	803,731
Military	2,896,439	937,027	1,079,169	45,874	46,366	274,367
Ship Building	4,662	0	0	0	376,386	204,794
Other Manufacturing	5,264,146	905,236	988,389	11,085,867	23,886,709	117,586
Hardware	6,212,779	609,037	1,540,704	628,147	908,222	86,633
Primary Metals	1,299,895	882,681	1,060,550	665,601	1,876,484	83,990
Non-Manufacturing	6,475,633	219,510	51,504	1,354,819	266,915	57,611
Power Generation	594,222	2,213,978	629,461	1,075,559	447,699	55,019
Plastics and Rubber	233,885	1,737,651	378,960	159,843	1,302,262	43,718
Custom Processors	1,755,285	1,497,056	1,243,791	1,682,083	2,597,191	14,782
Appliances	48,949	2,927	136,534	1,146,821	448,157	0
Wood and Paper Products	0	0	0	54,163	9,574	0
Furniture Manufacturing	106,454	0	82,938	162,169	0	0
Printing	355,413	650,164	0	0	0	0
Construction Materials	0	8,181	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>74,663,420</b>	<b>57,989,750</b>	<b>62,110,541</b>	<b>77,960,705</b>	<b>113,293,644</b>	<b>75,166,890</b>

## Milling Tools (ex. Inserts), high-speed steel cutters - Industry

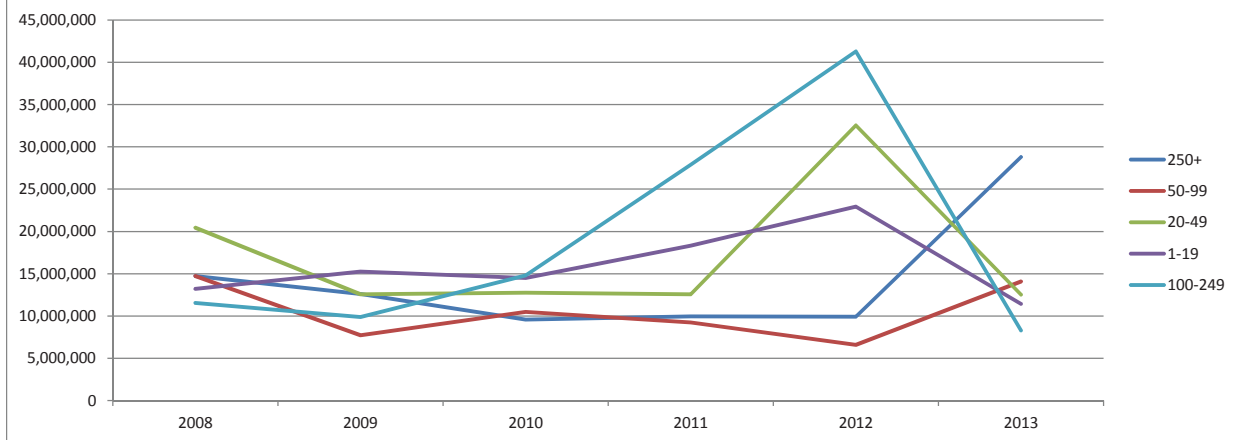


# MILLING TOOLS (ex. Inserts), HIGH-SPEED STEEL CUTTERS

## Milling Tools (ex. Inserts), high-speed steel cutters

Plant Size	2008	2009	2010	2011	2012	2013
250+	14,727,808	12,591,069	9,598,655	9,964,893	9,934,726	28,803,001
50-99	14,736,504	7,721,984	10,484,769	9,238,213	6,608,919	14,095,716
20-49	20,427,082	12,553,086	12,741,157	12,575,360	32,552,352	12,544,885
1-19	13,224,598	15,248,742	14,491,774	18,309,062	22,921,428	11,421,778
100-249	11,547,427	9,874,868	14,794,186	27,873,176	41,276,219	8,301,511
<b>All</b>	<b>74,663,420</b>	<b>57,989,750</b>	<b>62,110,541</b>	<b>77,960,705</b>	<b>113,293,644</b>	<b>75,166,890</b>

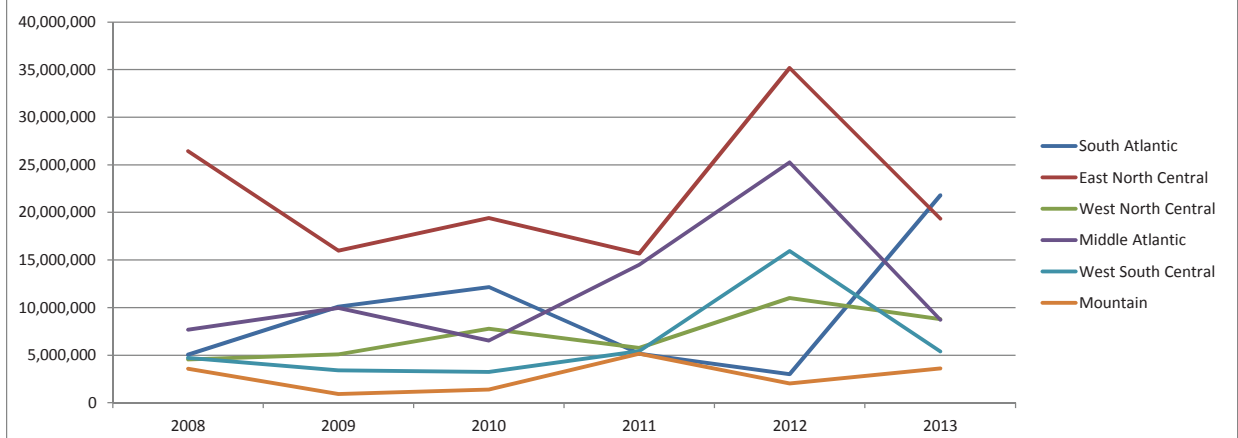
### Milling Tools (ex. Inserts), high-speed steel cutters - Plant Size



## Milling Tools (ex. Inserts), high-speed steel cutters

Region	2008	2009	2010	2011	2012	2013
South Atlantic	5,061,391	10,081,724	12,149,719	5,158,028	2,994,844	21,781,461
East North Central	26,435,807	15,979,581	19,410,990	15,660,702	35,169,628	19,329,637
West North Central	4,550,721	5,097,730	7,766,067	5,754,777	10,997,503	8,776,517
Middle Atlantic	7,662,675	9,956,351	6,541,794	14,505,743	25,269,216	8,714,711
West South Central	4,722,130	3,398,441	3,251,556	5,417,855	15,958,944	5,384,146
Mountain	3,576,826	913,395	1,375,210	5,150,165	2,031,909	3,605,582
Pacific	16,587,316	3,108,105	4,051,449	19,052,152	15,247,748	2,815,663
New England	5,192,185	6,684,174	4,278,951	2,795,848	4,597,275	2,440,578
East South Central	874,367	2,770,249	3,284,805	4,465,435	1,026,578	2,318,594
<b>All</b>	<b>74,663,420</b>	<b>57,989,750</b>	<b>62,110,541</b>	<b>77,960,705</b>	<b>113,293,644</b>	<b>75,166,890</b>

### Milling Tools (ex. Inserts), high-speed steel cutters - Region



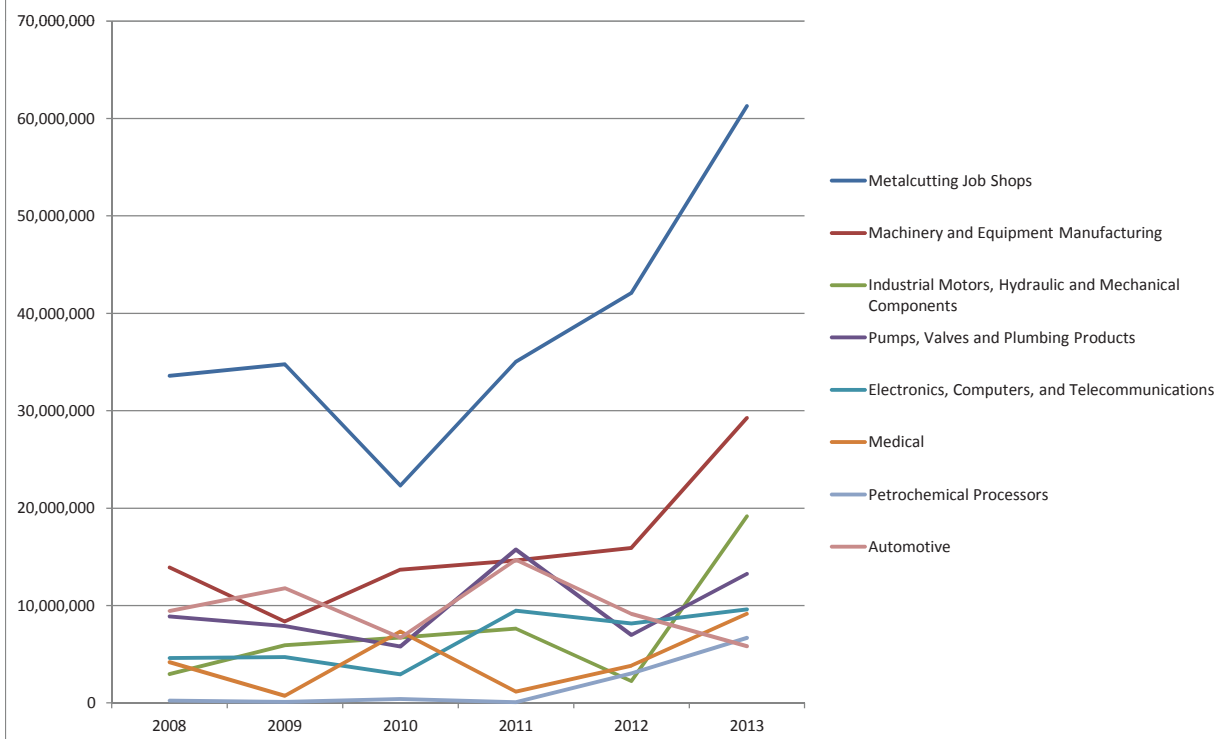
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Tools (ex. Inserts), indexable cutters

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	33,599,931	34,785,630	22,309,269	35,022,571	42,102,210	61,274,512
Machinery and Equipment Manufacturing	13,895,194	8,367,875	13,691,209	14,634,458	15,922,941	29,242,484
Industrial Motors, Hydraulic and Mechanical Components	2,960,327	5,932,336	6,708,263	7,619,638	2,255,417	19,179,122
Pumps, Valves and Plumbing Products	8,884,175	7,883,144	5,789,337	15,746,719	6,977,703	13,244,478
Electronics, Computers, and Telecommunications	4,599,184	4,721,231	2,942,232	9,463,065	8,146,956	9,613,655
Medical	4,183,704	744,916	7,321,838	1,145,483	3,806,529	9,140,572
Petrochemical Processors	252,907	100,129	416,163	62,683	3,039,173	6,673,899
Automotive	9,439,611	11,775,863	6,691,646	14,689,184	9,134,012	5,810,490
Aerospace	7,906,231	3,813,897	11,474,053	16,885,348	28,532,053	4,645,471
Forming and Fabricating (non-auto)	4,156,716	6,422,113	1,698,673	3,405,426	5,222,639	4,368,576
Other Manufacturing	10,220,535	1,697,645	575,687	2,024,047	5,362,519	3,071,338
Off-Road and Construction Machinery	12,577,364	1,574,867	4,237,207	4,716,008	7,370,762	2,385,753
Oil, Gas Field, and Mining Machinery	27,177,740	7,929,096	2,011,660	10,875,200	645,234	1,149,921
Non-Manufacturing	18,120,718	218,147	193,141	1,421,464	605,646	993,243
Military	736,551	1,206,108	3,852,197	4,779,869	185,464	940,688
Hardware	8,465,492	861,341	6,265,812	4,590,052	403,271	866,327
HVAC	663,007	0	1,497,065	71,368	524,004	589,713
Power Generation	1,663,107	1,931,115	286,785	213,462	1,989,063	461,830
Printing	50,773	0	0	0	0	246,371
Plastics and Rubber	81,105	227,471	253,755	1,030,519	684,701	108,734
Primary Metals	692,005	2,445,702	2,053,344	2,594,529	1,041,759	33,596
Custom Processors	2,970,099	6,271,576	871,182	1,871,695	2,061,240	29,564
Ship Building	18,648	0	0	0	376,386	0
Appliances	48,949	0	204,801	2,308,316	149,386	0
Furniture Manufacturing	0	0	80,499	3,473,122	0	0
Wood and Paper Products	0	509,221	0	54,163	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>173,364,071</b>	<b>109,419,423</b>	<b>101,425,815</b>	<b>158,698,387</b>	<b>146,539,067</b>	<b>174,070,338</b>

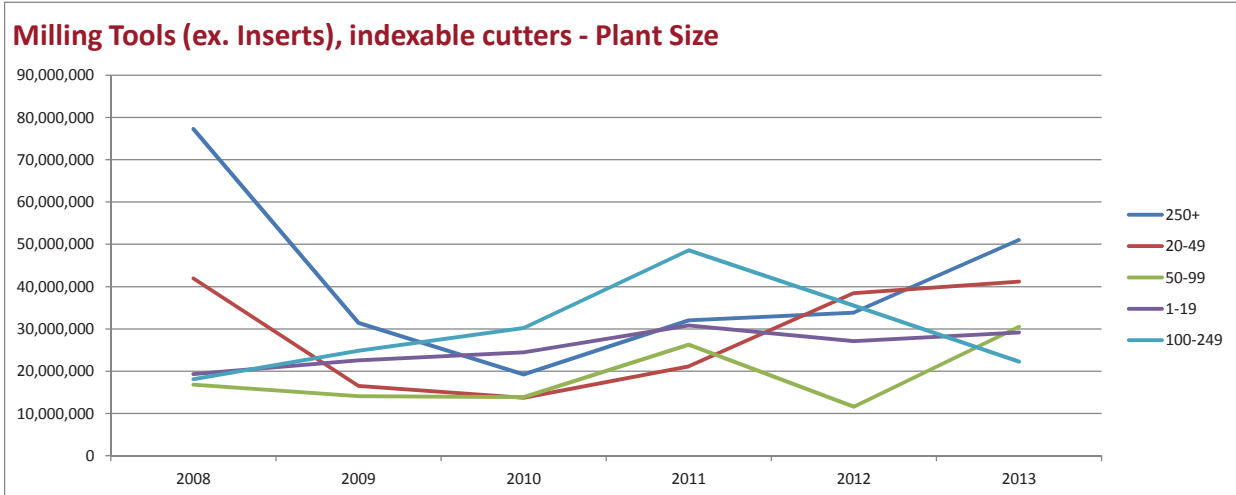
### Milling Tools (ex. Inserts), indexable cutters - Industry



# MILLING TOOLS (ex. Inserts), INDEXABLE CUTTERS

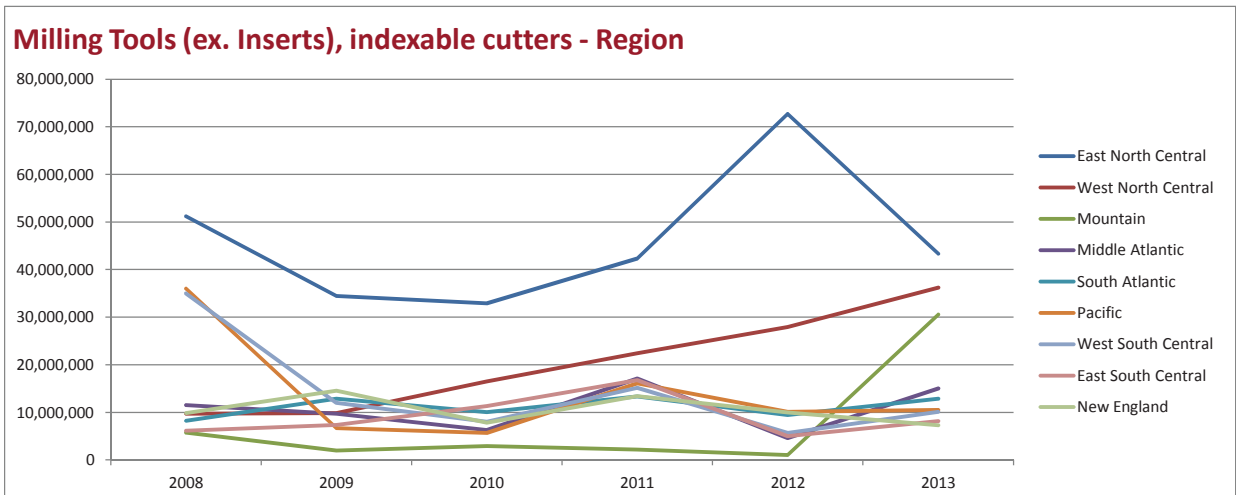
## Milling Tools (ex. Inserts), indexable cutters

Plant Size	2008	2009	2010	2011	2012	2013
250+	77,236,239	31,444,924	19,202,969	31,987,123	33,865,622	51,040,632
20-49	41,959,497	16,533,422	13,710,262	21,116,519	38,460,350	41,143,451
50-99	16,812,146	14,087,633	13,864,162	26,242,992	11,620,606	30,471,913
1-19	19,287,994	22,550,392	24,457,832	30,790,177	27,078,367	29,136,006
100-249	18,068,195	24,803,052	30,190,589	48,561,576	35,514,121	22,278,336
<b>All</b>	<b>173,364,071</b>	<b>109,419,423</b>	<b>101,425,815</b>	<b>158,698,387</b>	<b>146,539,067</b>	<b>174,070,338</b>



## Milling Tools (ex. Inserts), indexable cutters

Region	2008	2009	2010	2011	2012	2013
East North Central	51,184,686	34,442,765	32,925,682	42,292,181	72,711,134	43,355,343
West North Central	9,713,358	9,847,976	16,520,357	22,382,652	27,948,863	36,227,361
Mountain	5,759,004	1,966,203	2,881,278	2,181,563	1,053,052	30,578,715
Middle Atlantic	11,496,426	9,729,397	6,283,141	17,116,912	4,590,198	14,998,879
South Atlantic	8,215,829	12,885,443	10,032,606	13,332,020	9,441,408	12,858,323
Pacific	35,997,461	6,658,085	5,641,796	16,116,312	10,109,743	10,524,781
West South Central	35,003,068	11,996,416	8,007,962	15,137,028	5,665,116	10,075,818
East South Central	6,166,096	7,355,014	11,332,090	16,734,429	5,025,591	8,141,706
New England	9,828,143	14,538,124	7,800,902	13,405,291	9,993,962	7,309,412
<b>All</b>	<b>173,364,071</b>	<b>109,419,423</b>	<b>101,425,815</b>	<b>158,698,387</b>	<b>146,539,067</b>	<b>174,070,338</b>



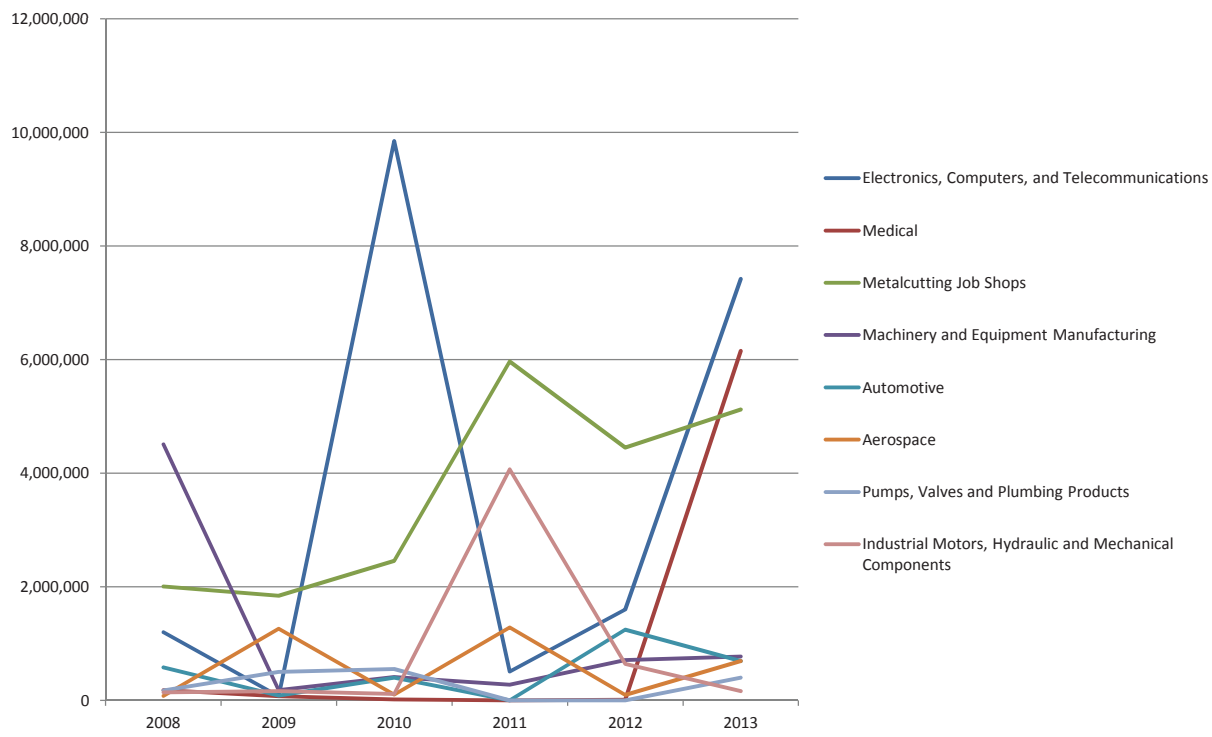
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Tools (ex. Inserts), other milling tools

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	1,200,348	73,767	9,845,876	510,169	1,599,762	7,419,152
Medical	182,117	77,101	16,095	0	15,055	6,150,195
Metalcutting Job Shops	2,006,934	1,843,732	2,454,974	5,967,735	4,450,013	5,118,670
Machinery and Equipment Manufacturing	4,509,647	183,603	410,849	277,237	713,066	774,679
Automotive	581,554	85,129	401,164	0	1,246,978	693,301
Aerospace	81,952	1,264,862	102,113	1,284,232	95,806	692,503
Pumps, Valves and Plumbing Products	175,821	500,459	552,581	0	0	398,874
Industrial Motors, Hydraulic and Mechanical Components	142,768	163,543	114,902	4,070,788	641,661	166,756
Non-Manufacturing	0	0	0	38,612	0	23,824
HVAC	47,168	0	0	0	0	10,396
Other Manufacturing	0	0	0	0	880,772	0
Forming and Fabricating (non-auto)	546,461	805,209	472,319	1,019,089	166,373	0
Ship Building	0	0	0	0	150,555	0
Off-Road and Construction Machinery	35,928	0	14,222	323,181	122,016	0
Custom Processors	217,317	371,383	1,422	61,007	38,500	0
Power Generation	0	361	69,924	82,498	32,757	0
Primary Metals	173,746	31,164	0	1,780,764	14,939	0
Petrochemical Processors	13,597	24,149	20,283	15,671	14,041	0
Plastics and Rubber	34,779	4,849	134,164	41,701	5,106	0
Appliances	0	0	68,267	979,560	0	0
Oil, Gas Field, and Mining Machinery	0	0	33,175	0	0	0
Military	0	234,173	0	0	0	0
Hardware	81,452	9,311	0	0	0	0
Wood and Paper Products	0	293	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>10,031,589</b>	<b>5,673,088</b>	<b>14,712,330</b>	<b>16,452,242</b>	<b>10,187,398</b>	<b>21,448,350</b>

### Milling Tools (ex. Inserts) , other milling tools - Industry

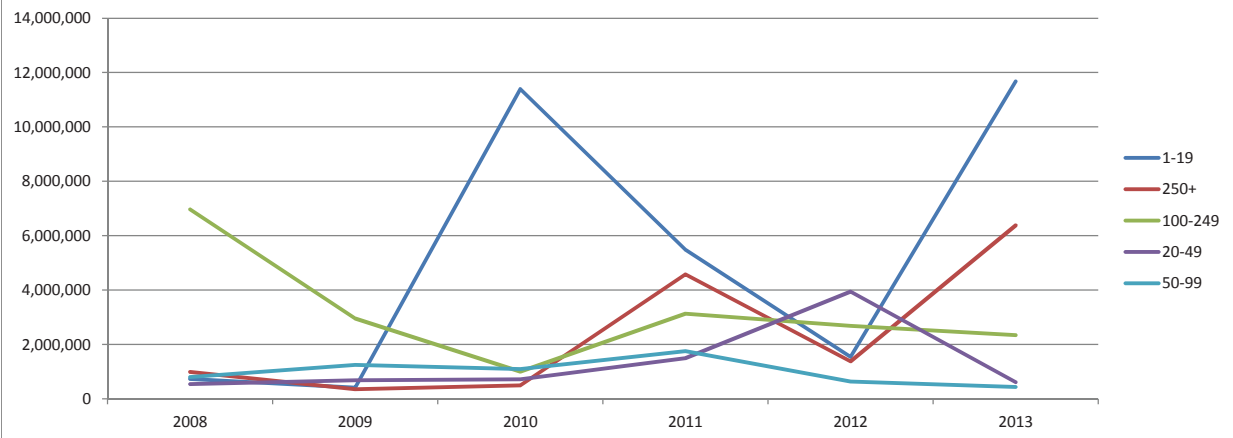


# MILLING TOOLS (ex. Inserts), OTHER MILLING TOOLS

## Milling Tools (ex. Inserts), other milling tools

Plant Size	2008	2009	2010	2011	2012	2013
1-19	733,852	419,906	11,395,514	5,484,502	1,545,377	11,675,187
250+	989,260	359,221	493,725	4,576,638	1,377,574	6,385,953
100-249	6,966,556	2,953,871	1,005,293	3,139,178	2,683,482	2,339,960
20-49	543,950	689,580	715,949	1,493,130	3,940,699	612,247
50-99	797,971	1,250,509	1,101,849	1,758,795	640,267	435,003
<b>All</b>	<b>10,031,589</b>	<b>5,673,088</b>	<b>14,712,330</b>	<b>16,452,242</b>	<b>10,187,398</b>	<b>21,448,350</b>

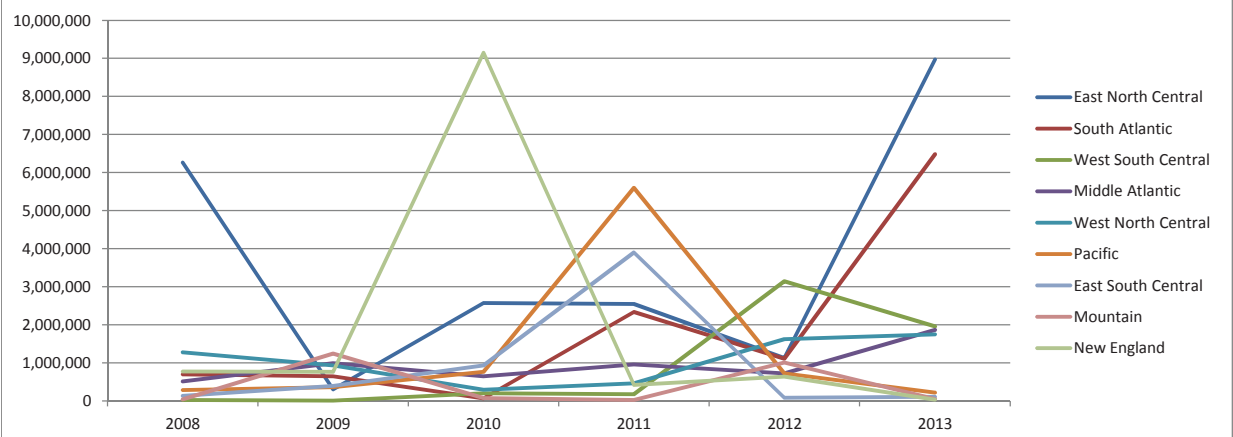
### Milling Tools (ex. Inserts), other milling tools - Plant Size



## Milling Tools (ex. Inserts), other milling tools

Region	2008	2009	2010	2011	2012	2013
East North Central	6,260,149	302,407	2,574,902	2,550,178	1,125,712	8,966,889
South Atlantic	698,033	650,798	68,267	2,334,941	1,111,368	6,481,286
West South Central	29,565	15,021	202,035	179,846	3,142,791	1,958,522
Middle Atlantic	517,890	992,953	648,861	964,237	721,769	1,869,017
West North Central	1,279,088	933,126	296,188	467,171	1,626,692	1,749,561
Pacific	288,077	361,168	765,087	5,601,400	722,638	219,367
East South Central	135,090	401,046	931,406	3,902,865	85,755	112,552
Mountain	46,574	1,246,200	80,233	28,034	1,009,240	51,961
New England	777,123	770,369	9,145,351	423,571	641,433	39,195
<b>All</b>	<b>10,031,589</b>	<b>5,673,088</b>	<b>14,712,330</b>	<b>16,452,242</b>	<b>10,187,398</b>	<b>21,448,350</b>

### Milling Tools (ex. Inserts), other milling tools - Region



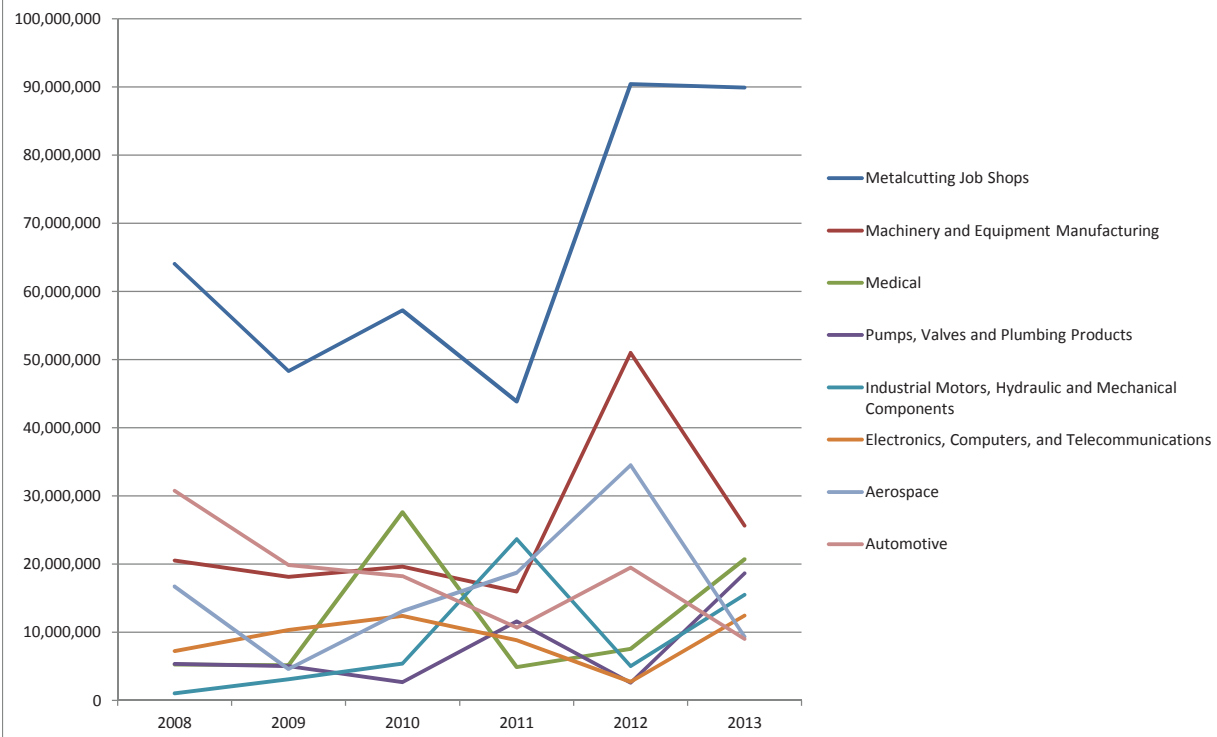
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Tools (ex. Inserts), solid carbide cutters

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	64,048,099	48,318,388	57,237,750	43,866,190	90,416,711	89,887,847
Machinery and Equipment Manufacturing	20,522,140	18,124,485	19,631,554	15,953,285	51,007,676	25,659,388
Medical	5,277,707	5,199,377	27,610,395	4,881,772	7,564,892	20,717,945
Pumps, Valves and Plumbing Products	5,353,524	5,046,884	2,693,726	11,595,051	2,583,244	18,627,040
Industrial Motors, Hydraulic and Mechanical Components	1,041,482	3,094,024	5,403,427	23,654,058	5,043,247	15,512,903
Electronics, Computers, and Telecommunications	7,258,472	10,344,061	12,402,040	8,844,094	2,719,874	12,466,819
Aerospace	16,700,412	4,630,031	13,115,505	18,741,446	34,488,154	9,364,133
Automotive	30,751,390	19,864,812	18,216,973	10,680,683	19,510,409	9,041,835
Forming and Fabricating (non-auto)	19,005,108	7,067,264	7,904,563	6,051,388	8,061,141	8,248,866
Off-Road and Construction Machinery	927,977	272,057	2,774,214	3,575,036	1,324,422	4,083,753
Other Manufacturing	8,230,938	4,643,510	10,667,982	41,808,248	18,214,057	1,963,167
Petrochemical Processors	3,081,749	2,287,925	413,966	4,766,871	667,828	1,836,369
Military	13,087,757	1,803,694	2,718,302	229,044	231,830	1,528,617
Oil, Gas Field, and Mining Machinery	1,668,025	2,171,954	2,206,759	532,649	714,376	1,248,562
HVAC	1,565,499	0	1,049,591	484,643	16,386,782	839,673
Hardware	1,864,912	818,705	3,364,194	1,764,281	787,282	779,694
Non-Manufacturing	5,869,372	230,418	270,397	2,029,938	1,745,088	315,776
Custom Processors	7,381,355	7,553,545	2,280,490	4,197,612	9,798,298	187,466
Power Generation	1,036,353	3,108,266	493,694	543,453	1,740,668	76,728
Plastics and Rubber	112,252	712,690	2,207,518	674,026	1,054,410	60,537
Ship Building	0	0	0	0	602,218	51,198
Primary Metals	1,724,301	1,881,259	5,370,764	5,936,179	1,622,667	50,394
Wood and Paper Products	0	759,879	0	418,917	181,899	0
Appliances	97,898	2,927	273,067	2,089,064	149,386	0
Furniture Manufacturing	958,090	9,367	80,499	8,302,159	0	0
Printing	484,782	162,541	0	0	0	0
Construction Materials	0	73,625	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>218,049,595</b>	<b>148,181,690</b>	<b>198,387,372</b>	<b>221,620,088</b>	<b>276,616,558</b>	<b>222,548,711</b>

### Milling Tools (ex. Inserts), solid carbide cutters - Industry



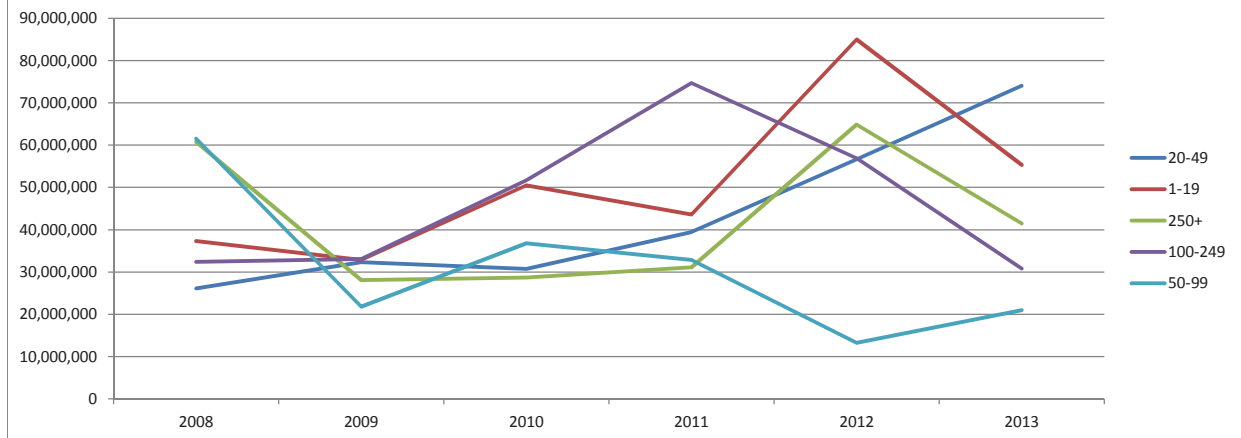


# MILLING TOOLS (ex. Inserts), SOLID CARBIDE CUTTERS

## Milling Tools (ex. Inserts), solid carbide cutters

Plant Size	2008	2009	2010	2011	2012	2013
20-49	26,095,235	32,316,829	30,697,334	39,415,496	56,612,008	74,011,108
1-19	37,313,540	32,866,860	50,508,646	43,576,611	84,949,038	55,293,860
250+	60,751,773	28,120,535	28,725,125	31,083,842	64,886,022	41,456,549
100-249	32,380,040	33,054,726	51,699,663	74,679,150	56,887,516	30,810,651
50-99	61,509,006	21,822,739	36,756,604	32,864,990	13,281,973	20,976,543
<b>All</b>	<b>218,049,595</b>	<b>148,181,690</b>	<b>198,387,372</b>	<b>221,620,088</b>	<b>276,616,558</b>	<b>222,548,711</b>

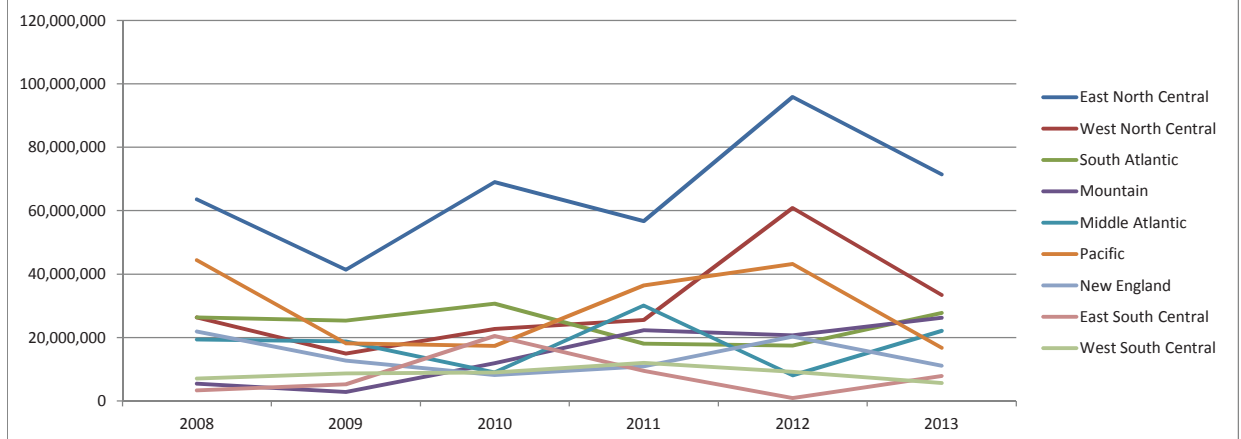
### Milling Tools (ex. Inserts), solid carbide cutters - Plant Size



## Milling Tools (ex. Inserts), solid carbide cutters

Region	2008	2009	2010	2011	2012	2013
East North Central	63,570,503	41,404,921	68,990,795	56,677,758	95,798,181	71,396,857
West North Central	26,375,327	14,940,142	22,753,648	25,581,552	60,846,550	33,443,782
South Atlantic	26,339,639	25,332,834	30,648,121	18,074,969	17,448,823	27,755,616
Mountain	5,463,092	2,845,455	11,921,103	22,275,671	20,695,551	26,245,313
Middle Atlantic	19,420,981	18,820,452	8,989,817	30,050,366	8,122,385	22,166,636
Pacific	44,442,585	18,159,271	17,414,660	36,436,353	43,210,160	16,757,840
New England	21,956,265	12,767,695	8,161,819	10,903,195	20,337,353	11,163,497
East South Central	3,403,128	5,230,011	20,538,993	9,550,263	976,699	7,917,819
West South Central	7,078,076	8,680,908	8,968,416	12,069,962	9,180,855	5,701,351
<b>All</b>	<b>218,049,595</b>	<b>148,181,690</b>	<b>198,387,372</b>	<b>221,620,088</b>	<b>276,616,558</b>	<b>222,548,711</b>

### Milling Tools (ex. Inserts), solid carbide cutters - Region



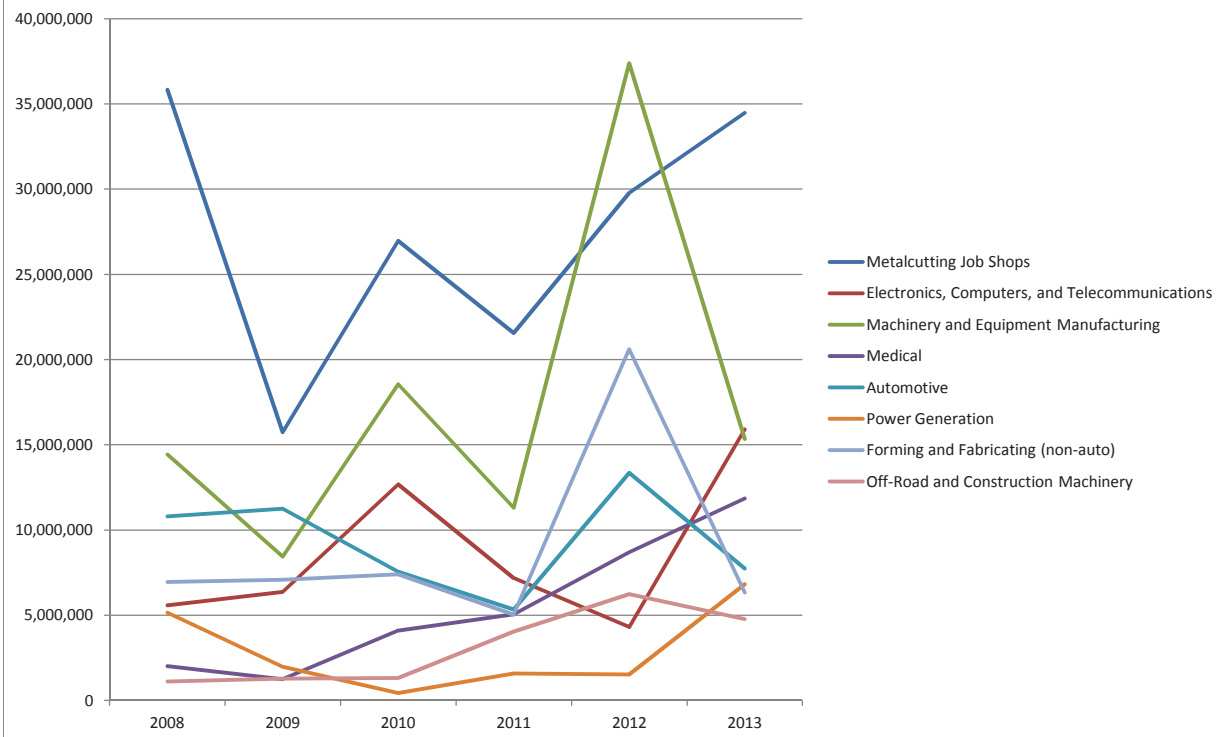
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Drills, high-speed steel

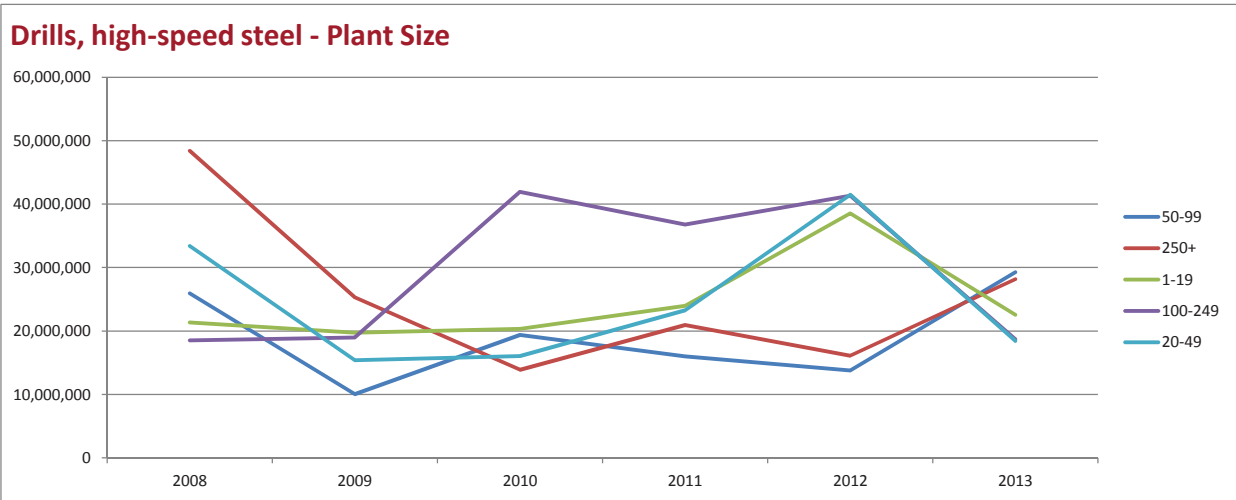
Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	35,832,503	15,744,492	26,957,037	21,567,635	29,786,978	34,476,777
Electronics, Computers, and Telecommunications	5,588,365	6,362,887	12,669,707	7,177,379	4,312,700	15,900,504
Machinery and Equipment Manufacturing	14,417,817	8,433,621	18,548,802	11,312,115	37,380,448	15,346,465
Medical	2,013,966	1,237,746	4,106,713	5,049,823	8,695,609	11,848,307
Automotive	10,794,346	11,250,263	7,561,465	5,339,876	13,345,032	7,746,944
Power Generation	5,143,222	1,979,619	436,736	1,573,555	1,522,747	6,812,366
Forming and Fabricating (non-auto)	6,953,966	7,085,133	7,399,589	5,037,199	20,591,895	6,333,494
Off-Road and Construction Machinery	1,119,732	1,278,816	1,326,821	4,051,323	6,245,186	4,783,021
Industrial Motors, Hydraulic and Mechanical Components	2,924,113	2,913,968	3,174,278	6,447,443	2,677,479	3,417,344
Pumps, Valves and Plumbing Products	5,843,175	12,070,807	5,462,722	8,245,888	7,184,599	3,149,962
Aerospace	11,540,344	5,948,192	5,041,683	19,290,888	2,605,660	2,759,276
HVAC	3,931,132	2,592,036	3,286,748	168,934	2,048,402	2,095,821
Other Manufacturing	11,746,444	1,061,332	1,818,691	5,590,002	4,237,820	734,738
Military	1,201,246	1,381,044	1,053,619	896,519	351,405	627,125
Plastics and Rubber	418,865	1,476,273	2,270,776	1,067,533	1,299,348	548,809
Hardware	10,264,613	734,088	4,741,659	4,339,018	1,774,585	226,328
Non-Manufacturing	9,451,983	140,432	360,529	832,330	446,547	131,248
Petrochemical Processors	210,174	145,945	152,907	121,561	80,838	33,787
Oil, Gas Field, and Mining Machinery	1,895,232	719,478	2,052,381	4,299,483	288,081	33,603
Primary Metals	1,784,132	1,025,322	1,772,488	307,024	922,182	20,158
Custom Processors	3,727,459	5,301,078	1,283,459	4,308,243	4,911,070	0
Appliances	420,597	4,391	46,080	980,719	423,259	0
Wood and Paper Products	0	217,427	0	122,697	38,294	0
Furniture Manufacturing	148,504	25,759	91,476	2,836,496	0	0
Printing	137,088	257,357	0	0	0	0
Construction Materials	0	57,264	0	0	0	0
Ship Building	44,288	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>147,553,307</b>	<b>89,444,770</b>	<b>111,616,365</b>	<b>120,963,683</b>	<b>151,170,164</b>	<b>117,026,076</b>

### Drills, high-speed steel - Industry



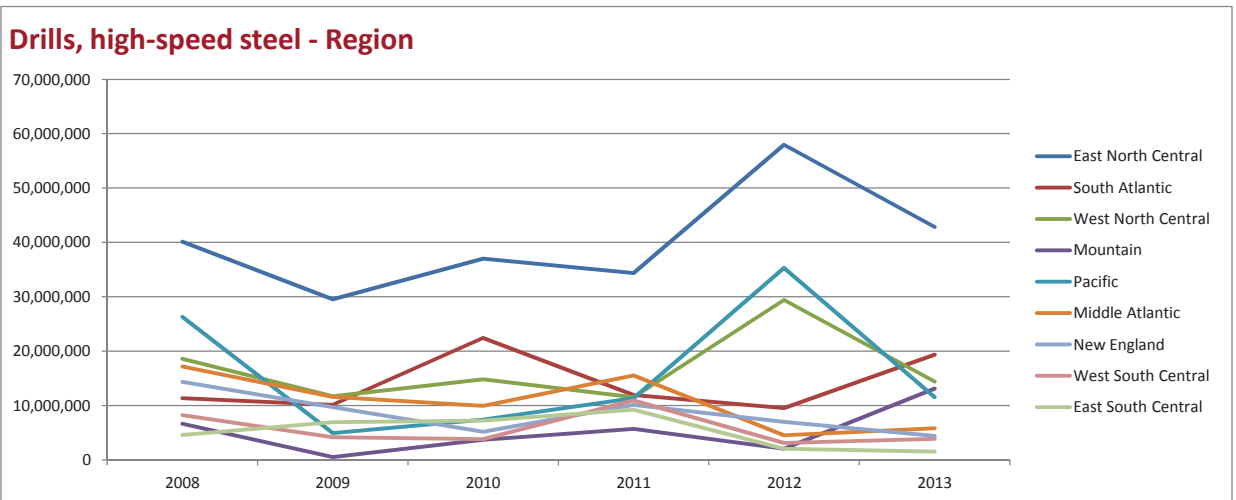
### Drills, high-speed steel

Plant Size	2008	2009	2010	2011	2012	2013
50-99	25,919,005	10,063,609	19,391,214	15,976,678	13,782,415	29,250,647
250+	48,395,857	25,274,549	13,903,525	20,950,756	16,099,976	28,153,334
1-19	21,334,420	19,747,286	20,328,270	23,994,288	38,520,217	22,558,571
100-249	18,509,970	18,964,210	41,940,942	36,755,950	41,303,791	18,658,985
20-49	33,394,055	15,395,115	16,052,413	23,286,011	41,463,765	18,404,540
<b>All</b>	<b>147,553,307</b>	<b>89,444,770</b>	<b>111,616,365</b>	<b>120,963,683</b>	<b>151,170,164</b>	<b>117,026,076</b>



### Drills, high-speed steel

Region	2008	2009	2010	2011	2012	2013
East North Central	40,136,709	29,556,452	36,997,811	34,374,909	57,992,896	42,857,154
South Atlantic	11,390,289	10,136,904	22,405,120	11,955,291	9,549,434	19,380,724
West North Central	18,612,278	11,712,281	14,828,401	11,563,887	29,460,909	14,415,317
Mountain	6,640,028	569,509	3,733,337	5,744,756	2,059,257	13,127,428
Pacific	26,306,782	4,962,854	7,420,624	11,368,361	35,308,061	11,550,305
Middle Atlantic	17,216,489	11,583,777	9,960,812	15,545,008	4,572,537	5,840,653
New England	14,379,000	9,726,765	5,185,618	10,157,740	7,013,451	4,435,600
West South Central	8,254,350	4,212,472	3,859,529	10,976,657	3,131,666	3,881,288
East South Central	4,617,382	6,983,755	7,225,113	9,277,074	2,081,953	1,537,608
<b>All</b>	<b>147,553,307</b>	<b>89,444,770</b>	<b>111,616,365</b>	<b>120,963,683</b>	<b>151,170,164</b>	<b>117,026,076</b>



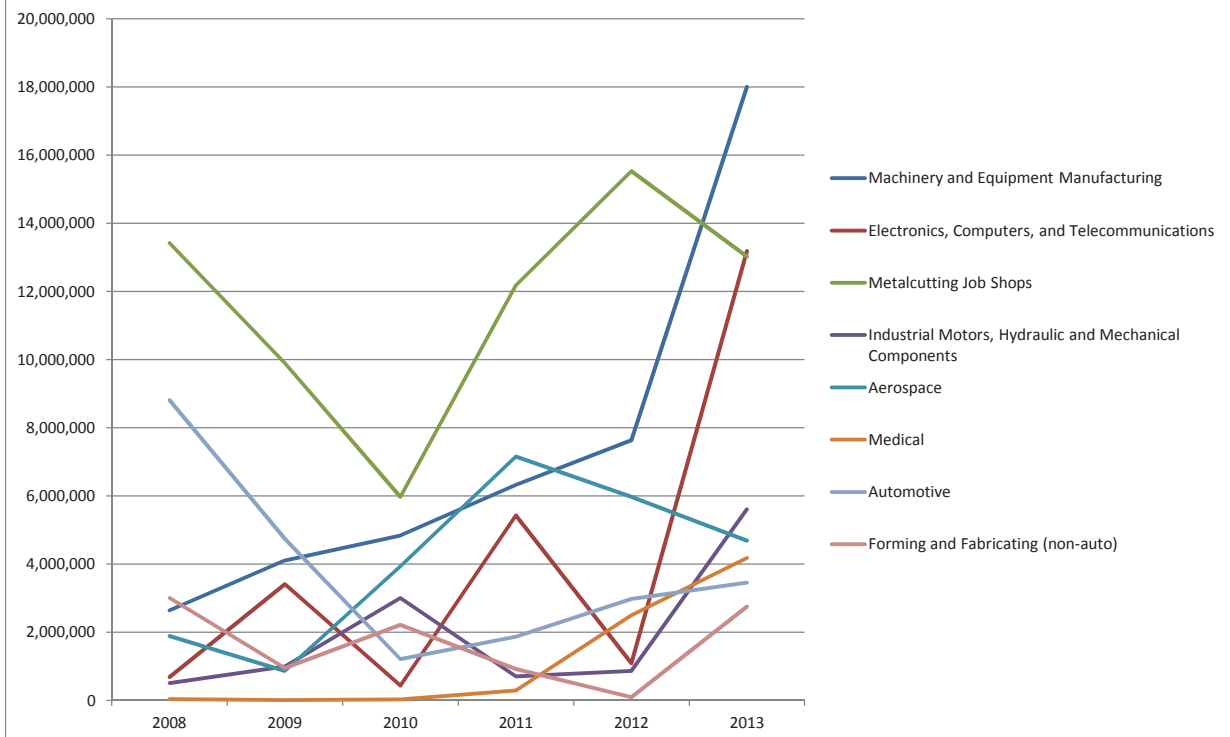
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Drills, indexable

Industry	2008	2009	2010	2011	2012	2013
Machinery and Equipment Manufacturing	2,641,077	4,108,608	4,835,495	6,319,565	7,629,972	17,994,406
Electronics, Computers, and Telecommunications	687,358	3,406,643	439,263	5,431,180	1,091,393	13,181,774
Metalcutting Job Shops	13,416,856	9,899,433	5,976,315	12,181,268	15,526,054	13,018,852
Industrial Motors, Hydraulic and Mechanical Components	505,381	995,543	3,009,853	708,239	870,188	5,608,519
Aerospace	1,891,569	865,817	3,939,026	7,157,270	5,976,125	4,687,740
Medical	36,364	16,931	30,222	294,614	2,501,686	4,175,741
Automotive	8,809,321	4,739,697	1,213,590	1,872,521	2,980,744	3,455,831
Forming and Fabricating (non-auto)	3,003,615	955,544	2,215,524	918,311	97,618	2,750,694
Pumps, Valves and Plumbing Products	6,940,816	6,144,618	5,103,981	17,431,185	8,379,145	2,125,055
Petrochemical Processors	13,597	31,036	349,350	10,447	5,109,297	1,851,773
Hardware	698,479	198,215	271,961	530,506	322,617	1,732,653
Other Manufacturing	1,278,801	174,898	307,358	987,784	3,971,545	686,669
Off-Road and Construction Machinery	4,787,579	163,921	977,468	1,872,022	2,739,402	560,165
Military	203,954	109,769	1,161,132	1,274,184	0	470,344
HVAC	312,170	0	145,122	22,390	62,958	378,500
Power Generation	18,355,691	2,115,737	306,195	142,197	1,856,883	223,208
Oil, Gas Field, and Mining Machinery	8,250,279	1,232,628	2,943,565	866,572	241,963	145,853
Non-Manufacturing	4,798,069	77,715	77,256	48,423	15,400	90,964
Plastics and Rubber	26,347	72,741	42,631	80,644	67,224	840
Custom Processors	197,415	1,184,542	93,621	379,620	94,490	0
Appliances	0	0	0	200,577	24,898	0
Primary Metals	180,831	88,925	278,141	10,153	20,851	0
Furniture Manufacturing	0	0	6,098	21,623	0	0
Construction Materials	0	8,181	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>77,035,569</b>	<b>36,591,142</b>	<b>33,723,170</b>	<b>58,761,293</b>	<b>59,580,451</b>	<b>73,139,582</b>

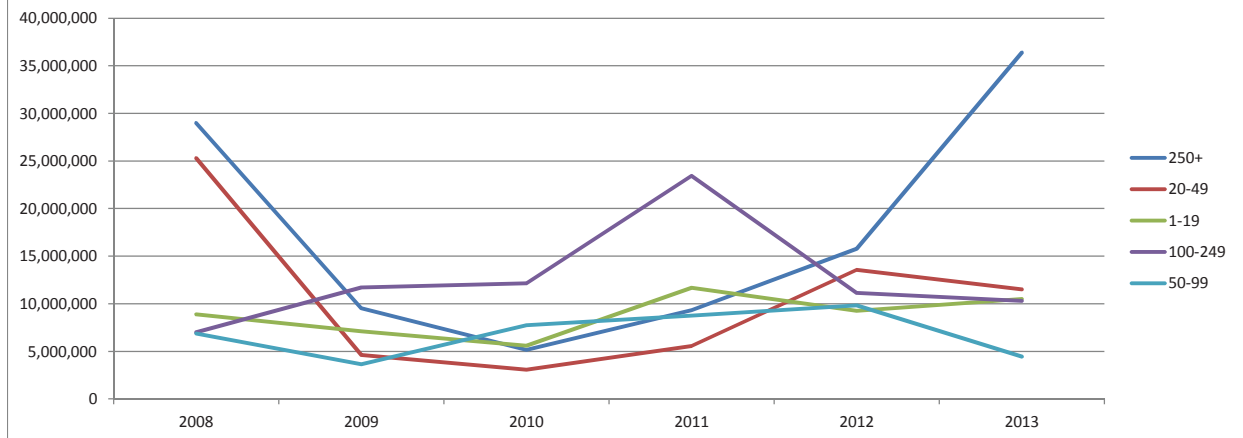
### Drills, indexable - Industry



### Drills, indexable

Plant Size	2008	2009	2010	2011	2012	2013
250+	28,986,751	9,516,162	5,163,425	9,321,469	15,789,027	36,403,058
20-49	25,286,587	4,617,519	3,077,499	5,574,071	13,571,191	11,499,584
1-19	8,885,756	7,097,601	5,604,513	11,678,166	9,251,987	10,504,071
100-249	7,006,892	11,723,113	12,150,906	23,446,855	11,128,615	10,290,953
50-99	6,869,584	3,636,747	7,726,827	8,740,732	9,839,631	4,441,916
<b>All</b>	<b>77,035,569</b>	<b>36,591,142</b>	<b>33,723,170</b>	<b>58,761,293</b>	<b>59,580,451</b>	<b>73,139,582</b>

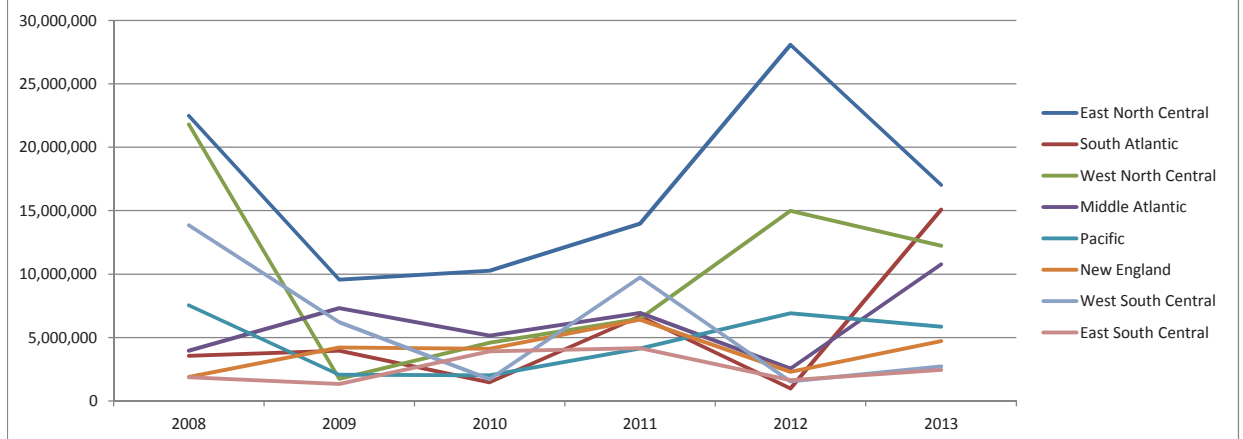
#### Drills, indexable - Plant Size



### Drills, indexable

Region	2008	2009	2010	2011	2012	2013
East North Central	22,467,316	9,566,768	10,274,095	13,983,100	28,066,340	17,028,785
South Atlantic	3,560,333	3,958,190	1,479,386	6,654,155	999,568	15,074,138
West North Central	21,782,683	1,757,173	4,585,823	6,488,952	14,987,047	12,233,624
Middle Atlantic	3,958,208	7,310,743	5,162,768	6,953,270	2,556,653	10,786,591
Pacific	7,544,553	2,074,141	2,022,464	4,136,750	6,905,469	5,856,049
New England	1,897,488	4,210,139	4,119,614	6,413,905	2,295,796	4,715,059
West South Central	13,853,461	6,221,235	1,713,173	9,747,943	1,544,203	2,734,044
East South Central	1,868,305	1,354,432	3,908,328	4,171,877	1,637,696	2,450,959
Mountain	103,222	138,322	457,519	211,340	587,679	2,260,334
<b>All</b>	<b>77,035,569</b>	<b>36,591,142</b>	<b>33,723,170</b>	<b>58,761,293</b>	<b>59,580,451</b>	<b>73,139,582</b>

#### Drills, indexable - Region



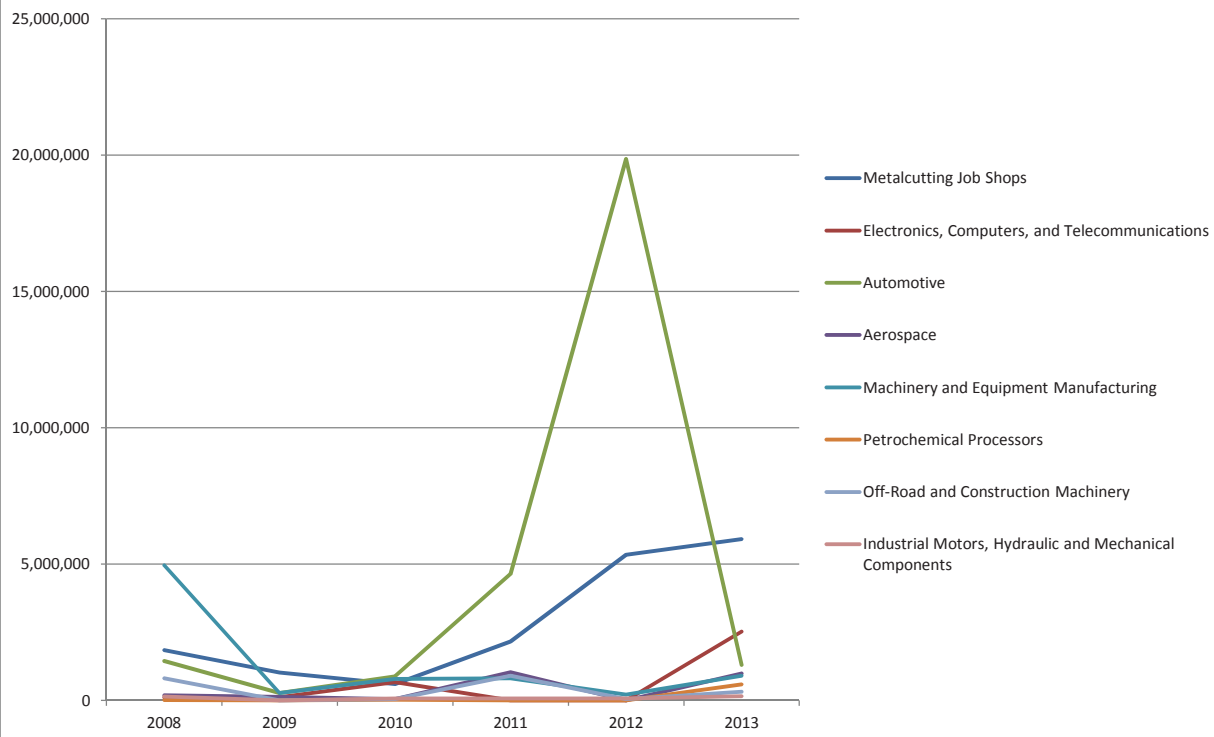
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Drills, other

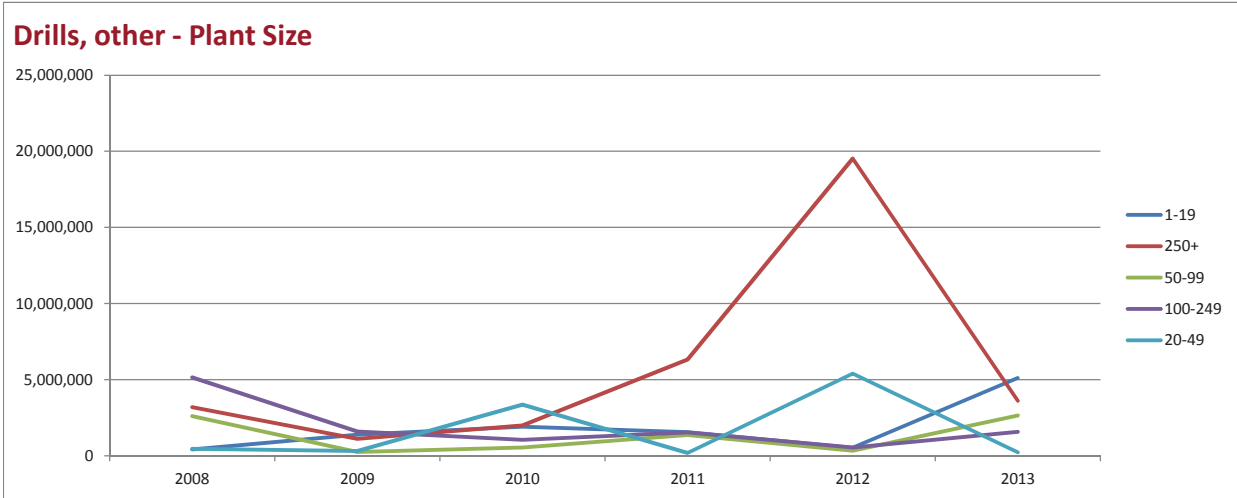
Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	1,840,509	1,028,295	600,444	2,159,116	5,340,381	5,922,553
Electronics, Computers, and Telecommunications	112,067	118,193	670,326	2,080	2,988	2,531,678
Automotive	1,445,614	268,702	885,955	4,635,297	19,861,153	1,300,463
Aerospace	188,417	137,618	44,923	1,032,031	0	985,390
Machinery and Equipment Manufacturing	4,959,051	269,307	791,115	813,458	214,273	901,212
Petrochemical Processors	13,597	0	25,281	5,224	0	591,268
Off-Road and Construction Machinery	815,836	0	55,484	909,293	56,165	319,759
Industrial Motors, Hydraulic and Mechanical Components	146,878	7,635	73,181	69,034	76,589	156,781
Pumps, Valves and Plumbing Products	0	752,831	1,277,124	5,097	32,262	149,329
Hardware	217,167	0	0	8,155	0	113,164
Oil, Gas Field, and Mining Machinery	0	0	0	0	0	77,969
Medical	1,181,467	98,547	379,091	326,543	359,330	58,477
Forming and Fabricating (non-auto)	361,509	154,383	582,317	149,570	77,118	36,956
Power Generation	77,699	0	388,100	2,852	164,703	22,091
Other Manufacturing	0	5,999	4,267	672,769	0	19,598
HVAC	327,872	0	3,128,898	22,390	0	12,800
Custom Processors	121,631	1,345,501	1,422	9,653	105,851	0
Plastics and Rubber	26,347	268,657	5,367	13,751	67,015	0
Primary Metals	40,619	3,770	0	0	6,452	0
Appliances	0	0	0	106,096	0	0
Furniture Manufacturing	0	0	0	45,588	0	0
Military	0	234,173	0	0	0	0
Ship Building	2,331	0	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Non-Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>11,878,613</b>	<b>4,693,613</b>	<b>8,913,293</b>	<b>10,987,998</b>	<b>26,364,280</b>	<b>13,199,488</b>

### Drills, other - Industry



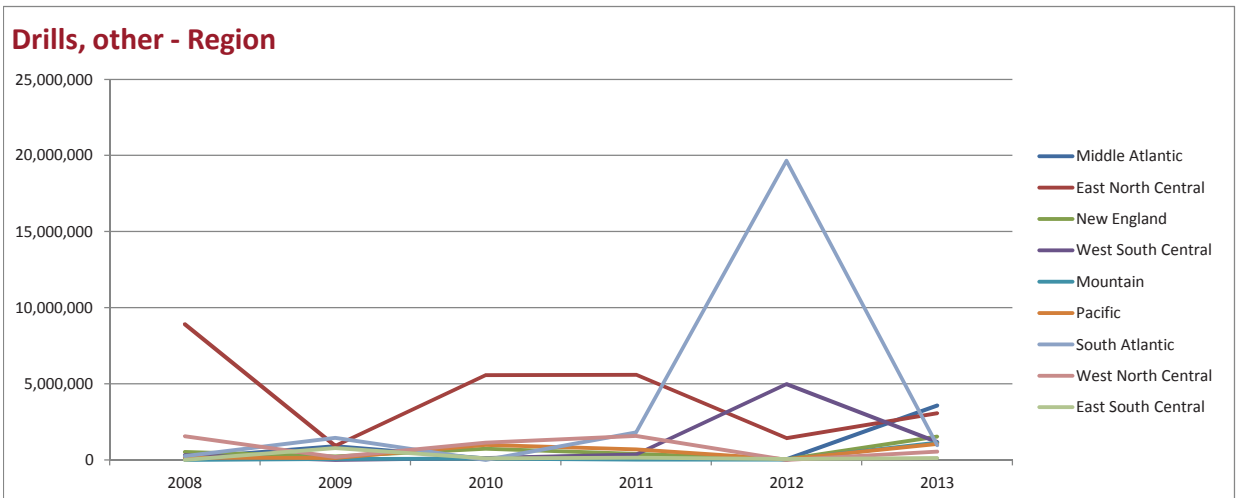
### Drills, other

Plant Size	2008	2009	2010	2011	2012	2013
1-19	434,685	1,393,004	1,911,020	1,561,656	532,579	5,104,147
250+	3,207,945	1,109,798	2,011,734	6,340,187	19,530,145	3,623,454
50-99	2,604,495	254,934	555,049	1,365,440	348,566	2,648,039
100-249	5,158,620	1,606,279	1,062,823	1,535,066	544,036	1,590,042
20-49	472,868	329,597	3,372,668	185,650	5,408,954	233,806
<b>All</b>	<b>11,878,613</b>	<b>4,693,613</b>	<b>8,913,293</b>	<b>10,987,998</b>	<b>26,364,280</b>	<b>13,199,488</b>



### Drills, other

Region	2008	2009	2010	2011	2012	2013
Middle Atlantic	127,720	902,507	109,327	327,478	49,187	3,568,901
East North Central	8,923,360	924,332	5,582,997	5,592,916	1,430,649	3,074,989
New England	523,244	227,862	734,418	415,925	58,041	1,533,819
West South Central	324,392	0	124,592	362,827	4,995,139	1,175,113
Mountain	0	79,013	90,313	36,699	23,304	1,131,641
Pacific	162,829	123,394	995,893	699,267	51,847	1,059,474
South Atlantic	248,042	1,463,063	12,800	1,812,651	19,660,932	968,506
West North Central	1,561,310	199,306	1,150,328	1,582,849	15,400	546,392
East South Central	7,715	774,134	112,625	157,386	79,780	140,652
<b>All</b>	<b>11,878,613</b>	<b>4,693,613</b>	<b>8,913,293</b>	<b>10,987,998</b>	<b>26,364,280</b>	<b>13,199,488</b>



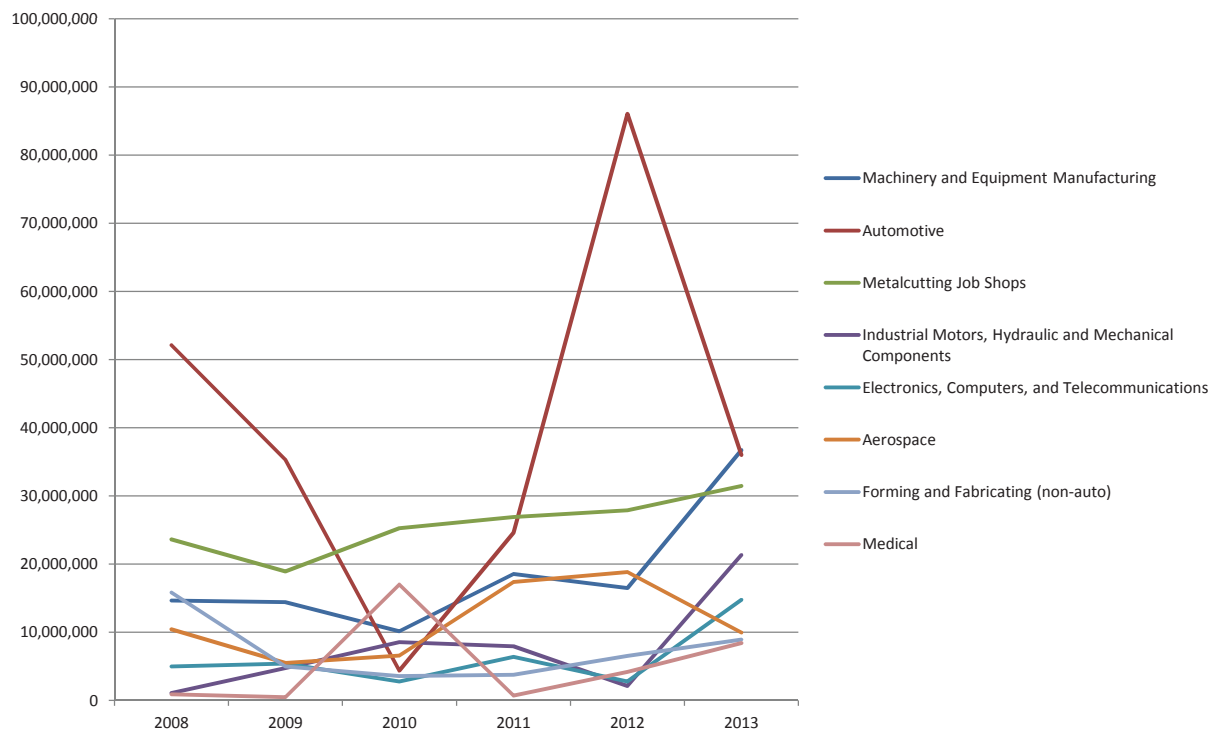
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## CAPITAL SPENDING Tooling Equipment Report

### Drills, solid carbide

Industry	2008	2009	2010	2011	2012	2013
Machinery and Equipment Manufacturing	14,668,752	14,402,589	10,153,617	18,571,509	16,493,769	36,707,547
Automotive	52,111,700	35,328,546	4,381,324	24,604,216	86,058,566	36,033,308
Metalcutting Job Shops	23,606,738	18,937,538	25,270,496	26,888,224	27,914,356	31,476,241
Industrial Motors, Hydraulic and Mechanical Components	1,109,231	4,772,378	8,556,601	7,957,413	2,107,366	21,337,623
Electronics, Computers, and Telecommunications	4,994,533	5,396,061	2,779,058	6,413,055	2,783,863	14,746,815
Aerospace	10,422,352	5,521,070	6,597,853	17,362,153	18,836,209	9,946,661
Forming and Fabricating (non-auto)	15,824,550	4,970,490	3,604,190	3,768,275	6,558,036	8,939,268
Medical	895,668	500,026	16,995,821	727,876	4,207,103	8,430,883
Pumps, Valves and Plumbing Products	2,765,630	5,101,429	3,747,065	13,666,458	9,940,338	3,017,320
Off-Road and Construction Machinery	494,430	463,135	4,648,686	4,284,175	1,000,627	1,383,175
Other Manufacturing	1,817,814	715,734	1,080,823	2,720,956	3,897,894	1,092,670
Non-Manufacturing	4,933,571	62,717	206,017	979,763	104,371	782,726
HVAC	4,913,014	727,411	3,066,285	44,780	345,834	477,486
Military	3,571,180	1,723,981	385,392	254,060	39,045	391,953
Petrochemical Processors	1,578,977	188,783	396,122	308,645	338,455	319,241
Power Generation	12,178,899	498,835	650,919	159,993	4,245,426	243,112
Plastics and Rubber	64,671	363,029	2,157,805	763,866	509,877	188,730
Oil, Gas Field, and Mining Machinery	6,100,752	1,057,858	2,051,153	920,092	357,188	58,477
Primary Metals	1,676,611	428,788	174,462	181,825	556,358	47,034
Custom Processors	1,517,006	17,966,564	8,927,156	1,718,292	2,116,341	0
Hardware	17,361,988	1,297,164	799,501	820,080	1,452,355	0
Appliances	64,460	1,464	5,120	741,621	24,898	0
Furniture Manufacturing	42,049	3,513	24,394	218,726	0	0
Wood and Paper Products	0	2,036	0	14,812	0	0
Construction Materials	0	16,361	0	0	0	0
Printing	79,105	13,545	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>182,793,680</b>	<b>120,461,044</b>	<b>106,659,862</b>	<b>134,090,864</b>	<b>189,888,275</b>	<b>175,620,271</b>

### Drills, solid carbide - Industry

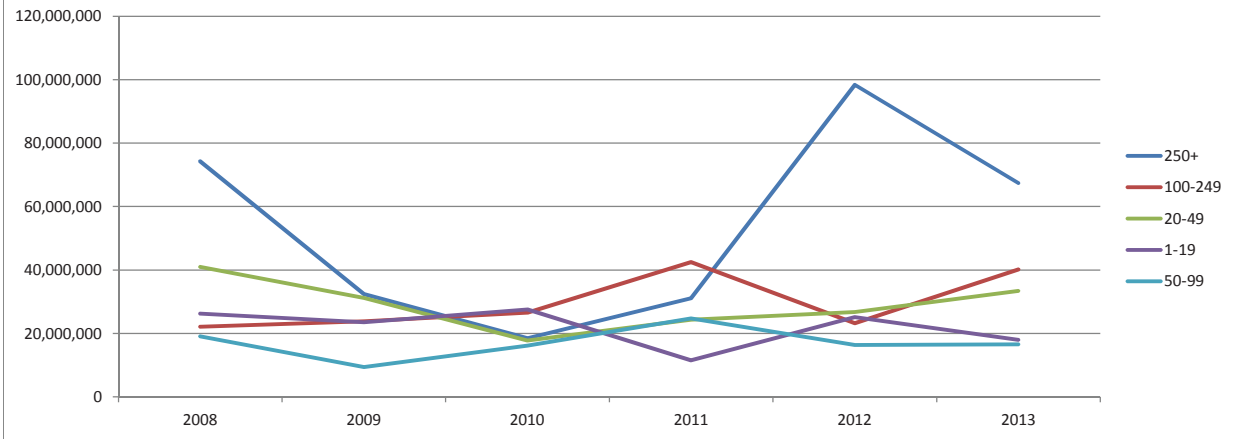




### Drills, solid carbide

Plant Size	2008	2009	2010	2011	2012	2013
250+	74,303,821	32,412,316	18,510,242	31,076,969	98,395,163	67,424,063
100-249	22,166,189	23,855,051	26,603,824	42,458,650	23,227,866	40,219,654
20-49	40,937,602	31,170,058	17,764,262	24,301,582	26,710,446	33,449,186
1-19	26,265,060	23,577,537	27,602,806	11,536,670	25,192,396	17,996,815
50-99	19,121,009	9,446,083	16,178,729	24,716,994	16,362,404	16,530,554
<b>All</b>	<b>182,793,680</b>	<b>120,461,044</b>	<b>106,659,862</b>	<b>134,090,864</b>	<b>189,888,275</b>	<b>175,620,271</b>

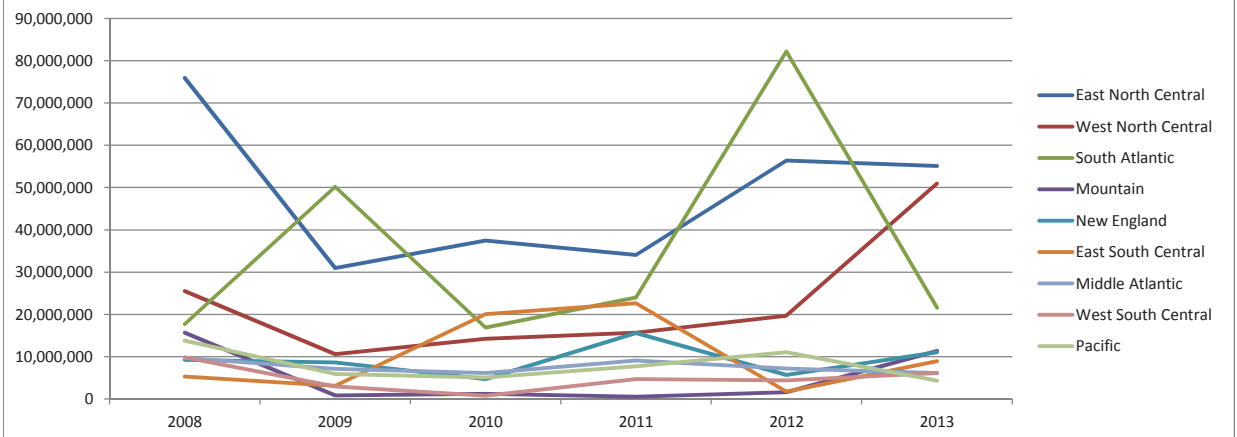
#### Drills, solid carbide - Plant Size



### Drills, solid carbide

Region	2008	2009	2010	2011	2012	2013
East North Central	75,911,998	30,955,645	37,461,159	34,044,241	56,389,206	55,095,499
West North Central	25,534,590	10,636,959	14,269,115	15,665,193	19,661,630	50,921,929
South Atlantic	17,728,661	50,148,420	16,888,119	24,013,822	82,166,791	21,548,956
Mountain	15,706,748	879,770	1,244,491	588,370	1,591,209	11,338,886
New England	9,256,702	8,654,379	4,750,545	15,623,433	5,693,823	11,055,214
East South Central	5,316,690	3,115,472	20,039,540	22,612,315	1,739,492	8,974,486
Middle Atlantic	9,695,629	7,154,010	6,128,348	9,083,991	7,209,492	6,178,054
West South Central	9,823,646	2,975,283	768,844	4,728,457	4,378,121	6,161,081
Pacific	13,819,017	5,941,106	5,109,701	7,731,044	11,058,512	4,346,166
<b>All</b>	<b>182,793,680</b>	<b>120,461,044</b>	<b>106,659,862</b>	<b>134,090,864</b>	<b>189,888,275</b>	<b>175,620,271</b>

#### Drills, solid carbide - Region



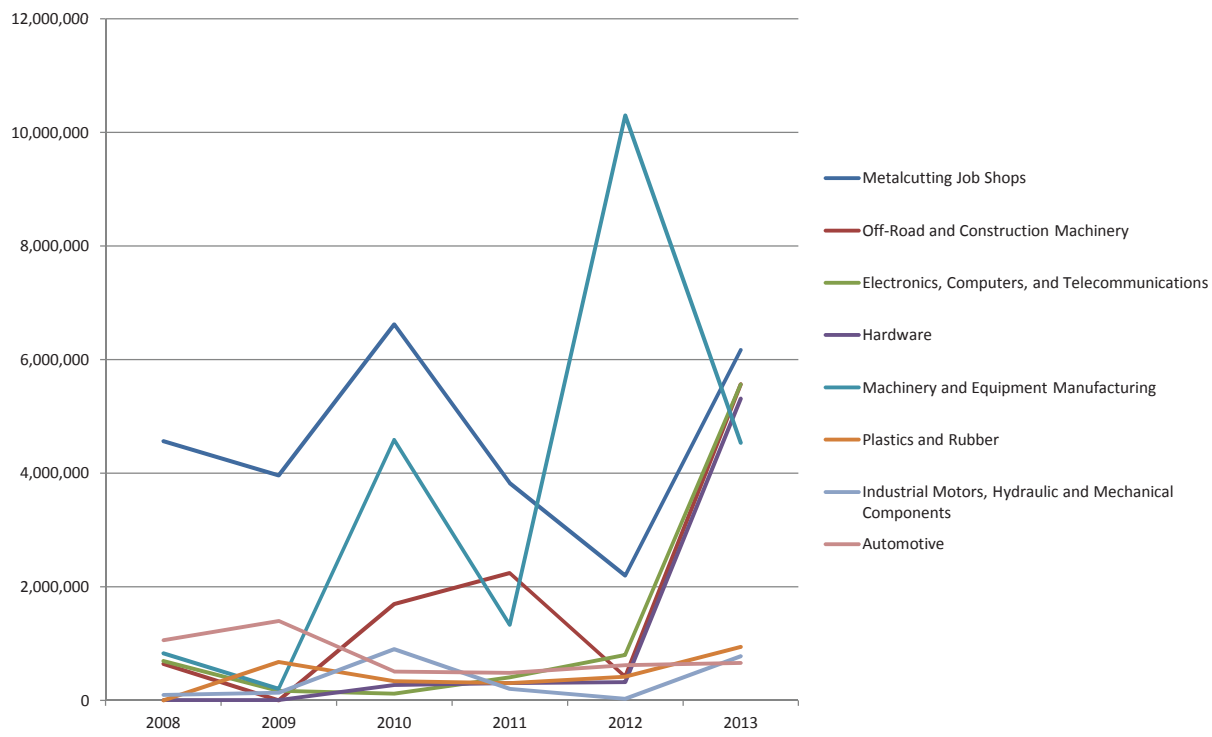
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Drills, spade (in. blades)

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	4,561,690	3,963,037	6,618,168	3,824,663	2,197,214	6,168,676
Off-Road and Construction Machinery	643,634	0	1,697,317	2,245,906	420,355	5,564,808
Electronics, Computers, and Telecommunications	695,369	171,350	122,186	408,933	802,446	5,562,285
Hardware	8,091	8,535	272,408	304,514	322,617	5,311,123
Machinery and Equipment Manufacturing	829,218	206,794	4,588,695	1,330,064	10,298,383	4,534,361
Plastics and Rubber	0	676,007	341,047	305,303	420,373	941,527
Industrial Motors, Hydraulic and Mechanical Components	98,578	134,237	901,614	205,260	29,989	780,655
Automotive	1,060,879	1,397,125	508,132	483,844	623,540	658,867
Aerospace	810,642	516,063	701,893	3,719,580	1,104,067	252,508
Petrochemical Processors	27,195	15,518	35,556	5,224	296,331	97,462
Oil, Gas Field, and Mining Machinery	3,732,075	894,248	2,930,660	3,165,374	265,022	97,462
Power Generation	12,374,250	3,528,562	276,993	2,852	300,686	97,223
Forming and Fabricating (non-auto)	629,603	1,408,326	955,777	190,951	190,100	93,868
Military	0	0	239,056	115,835	0	78,391
Other Manufacturing	268,907	123,182	580,347	2,173,006	2,905,987	69,517
Medical	38,022	56,362	5,841	299,247	840,583	29,866
HVAC	608,863	0	157,319	22,390	4,067	22,038
Pumps, Valves and Plumbing Products	2,068,930	2,505,883	962,527	3,571,595	1,222,206	1,733
Primary Metals	153,833	32,866	88,751	9,267	195,064	0
Custom Processors	249,870	42,990	32,144	120,168	82,758	0
Appliances	11,625	0	0	81,630	24,898	0
Non-Manufacturing	1,599,356	32,722	0	75,757	15,400	0
Wood and Paper Products	0	2,036	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>30,470,630</b>	<b>15,715,845</b>	<b>22,016,431</b>	<b>22,661,362</b>	<b>22,562,086</b>	<b>30,362,370</b>

### Drills, spade (in. blades) - Industry

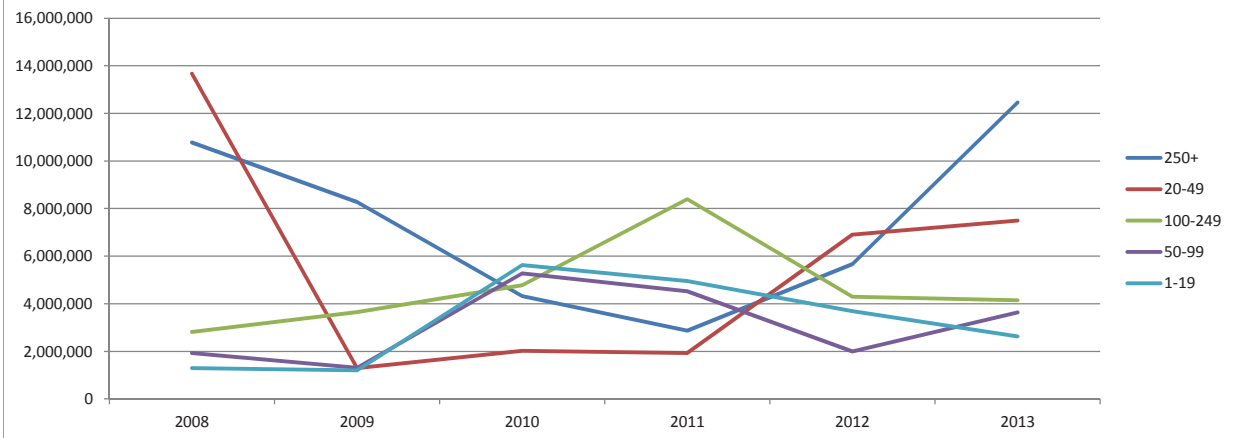


2013 CAPITAL SPENDING  
**TOOLING EQUIPMENT REPORT**  
**DRILLS SPADE (in. BLADES)**

**Drills, spade (in. blades)**

Plant Size	2008	2009	2010	2011	2012	2013
250+	10,769,309	8,272,850	4,314,531	2,861,818	5,668,700	12,458,226
20-49	13,664,597	1,293,217	2,015,949	1,927,868	6,903,442	7,493,311
100-249	2,811,620	3,643,379	4,780,815	8,397,133	4,296,953	4,140,369
50-99	1,928,183	1,306,673	5,280,666	4,516,574	2,000,871	3,638,451
1-19	1,296,922	1,199,726	5,624,471	4,957,969	3,692,120	2,632,013
<b>All</b>	<b>30,470,630</b>	<b>15,715,845</b>	<b>22,016,431</b>	<b>22,661,362</b>	<b>22,562,086</b>	<b>30,362,370</b>

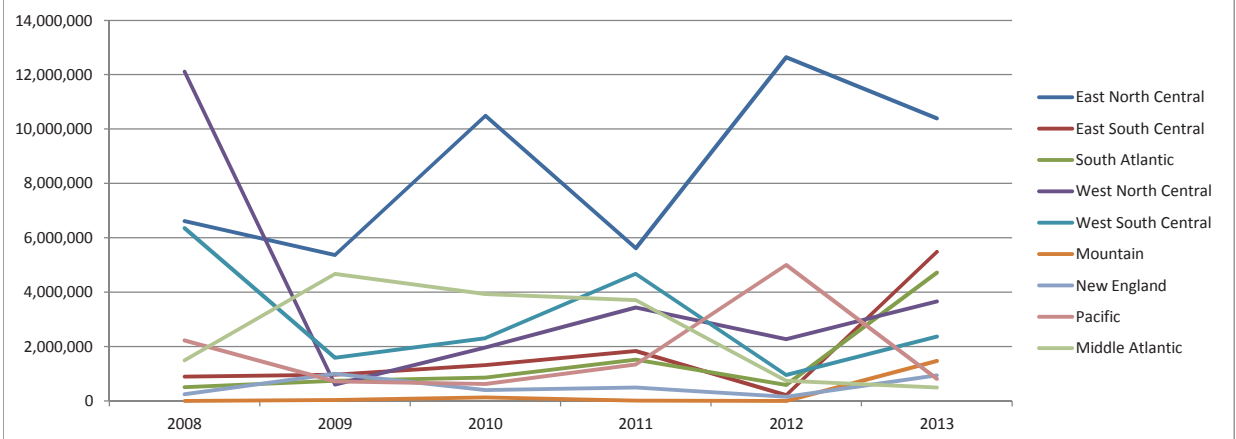
**Drills, spade (in. blades) - Plant Size**



**Drills, spade (in. blades)**

Region	2008	2009	2010	2011	2012	2013
East North Central	6,621,258	5,369,950	10,483,302	5,613,941	12,636,568	10,399,056
East South Central	895,645	967,989	1,316,662	1,833,938	210,079	5,487,067
South Atlantic	509,893	741,464	859,008	1,525,618	588,167	4,720,543
West North Central	12,112,924	599,635	1,967,606	3,438,322	2,273,870	3,662,369
West South Central	6,353,481	1,593,342	2,307,567	4,676,963	959,843	2,364,296
Mountain	9,315	43,950	128,277	20,735	0	1,479,128
New England	249,954	1,001,676	401,293	499,077	152,805	943,361
Pacific	2,225,261	722,070	622,592	1,343,474	5,000,099	811,579
Middle Atlantic	1,492,900	4,675,770	3,930,126	3,709,293	740,655	494,972
<b>All</b>	<b>30,470,630</b>	<b>15,715,845</b>	<b>22,016,431</b>	<b>22,661,362</b>	<b>22,562,086</b>	<b>30,362,370</b>

**Drills, spade (in. blades) - Region**



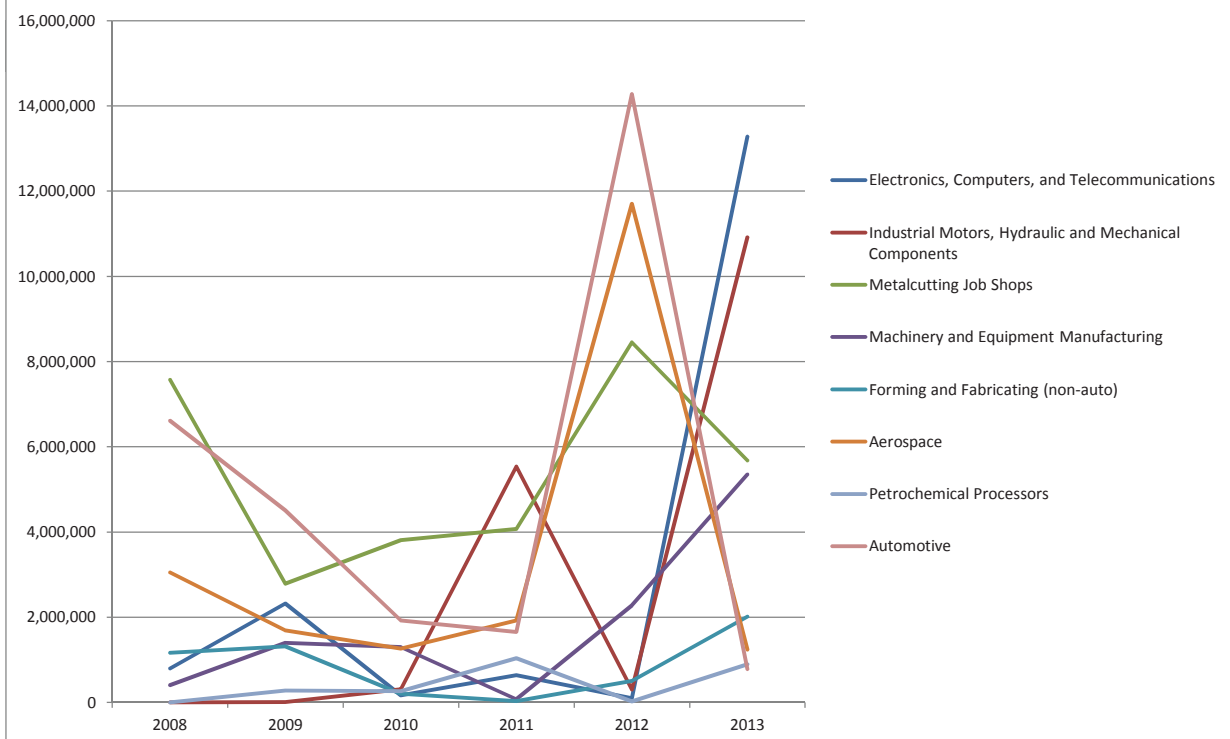
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Toolholders, HSK

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	800,013	2,320,697	167,798	642,890	101,270	13,282,829
Industrial Motors, Hydraulic and Mechanical Components	0	12,612	306,481	5,535,100	301,109	10,915,714
Metalcutting Job Shops	7,574,869	2,790,655	3,808,504	4,075,288	8,448,099	5,682,494
Machinery and Equipment Manufacturing	406,321	1,396,884	1,301,829	81,084	2,278,426	5,346,654
Forming and Fabricating (non-auto)	1,164,867	1,316,889	203,892	32,387	502,557	2,018,590
Aerospace	3,052,825	1,692,669	1,265,100	1,922,418	11,704,866	1,244,324
Petrochemical Processors	0	278,145	262,013	1,039,887	28,083	895,972
Automotive	6,611,963	4,506,612	1,927,826	1,654,850	14,274,944	783,349
Medical	198,622	237,850	557,392	932,818	370,153	412,670
Hardware	0	23,277	2,771,312	1,391,242	0	242,571
Off-Road and Construction Machinery	0	204,901	409,811	798,854	1,197,405	216,582
Oil, Gas Field, and Mining Machinery	5,077	526,889	0	0	564,579	162,436
Other Manufacturing	148,213	108,627	0	9,826,177	2,657,990	151,607
Printing	0	0	0	0	0	123,185
HVAC	12,186	0	603,643	0	0	86,652
Pumps, Valves and Plumbing Products	538,502	245,192	184,937	166,323	497,695	81,602
Non-Manufacturing	1,077,796	0	0	140,171	0	48,514
Custom Processors	290,975	577,671	15,644	176,655	1,163,999	0
Plastics and Rubber	1,597	84,687	67,082	774,911	173,846	0
Power Generation	46,231	0	28,225	0	22,977	0
Primary Metals	40,792	1,147,453	48,291	593,588	0	0
Appliances	0	0	0	408,150	0	0
Wood and Paper Products	0	0	0	55,601	0	0
Furniture Manufacturing	0	0	6,098	0	0	0
Military	0	702,519	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>21,970,847</b>	<b>18,174,229</b>	<b>13,935,880</b>	<b>30,248,395</b>	<b>44,287,999</b>	<b>41,695,747</b>

### Milling Toolholders, HSK - Industry

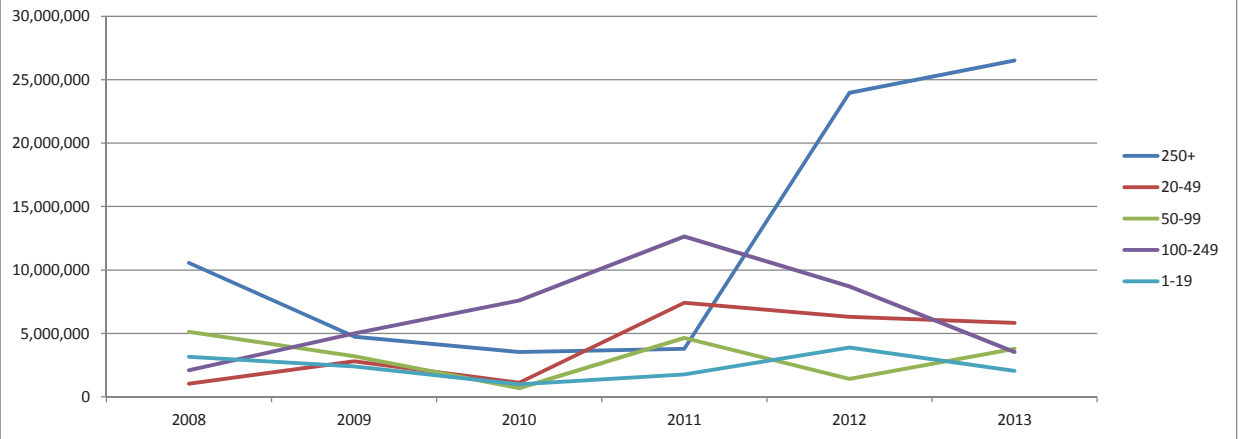


# MILLING TOOLHOLDERS, HSK

## Milling Toolholders, HSK

Plant Size	2008	2009	2010	2011	2012	2013
250+	10,543,905	4,759,536	3,536,670	3,783,555	23,952,791	26,498,546
20-49	1,032,897	2,800,446	1,121,283	7,420,635	6,322,444	5,830,728
50-99	5,133,526	3,209,744	697,066	4,637,339	1,415,180	3,781,943
100-249	2,107,371	5,007,886	7,591,551	12,643,516	8,707,833	3,539,673
1-19	3,153,148	2,396,617	989,309	1,763,349	3,889,751	2,044,856
<b>All</b>	<b>21,970,847</b>	<b>18,174,229</b>	<b>13,935,880</b>	<b>30,248,395</b>	<b>44,287,999</b>	<b>41,695,747</b>

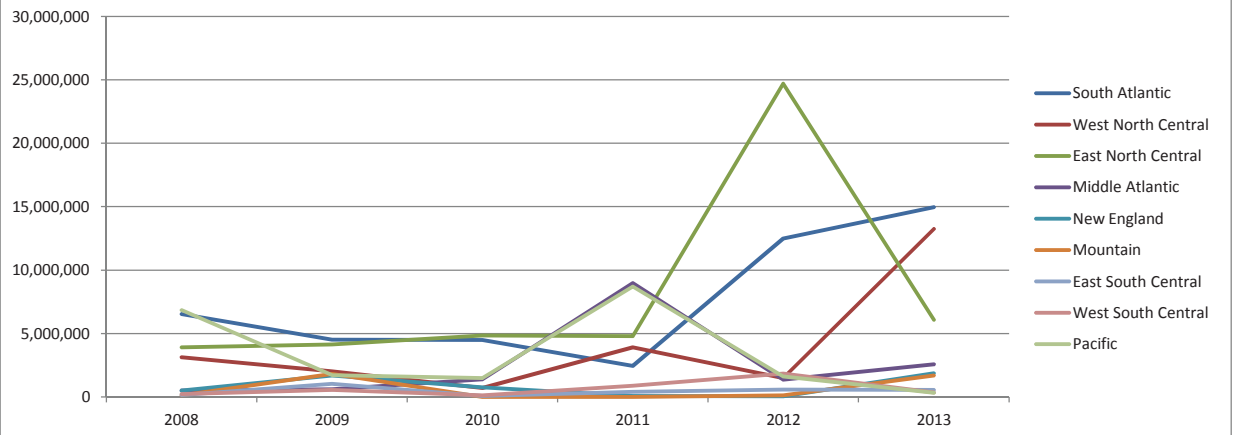
### Milling Toolholders, HSK - Plant Size



## Milling Toolholders, HSK

Region	2008	2009	2010	2011	2012	2013
South Atlantic	6,543,713	4,530,258	4,488,939	2,453,399	12,487,350	14,948,794
West North Central	3,126,932	2,030,089	722,368	3,923,841	1,498,211	13,239,544
East North Central	3,906,188	4,155,358	4,841,574	4,785,845	24,695,135	6,086,430
Middle Atlantic	522,944	609,742	1,394,213	8,982,742	1,357,948	2,588,096
New England	502,112	1,692,281	767,796	76,645	61,271	1,878,019
Mountain	143,838	1,826,933	3,903	6,371	143,280	1,697,461
East South Central	162,231	1,043,853	88,548	423,683	578,655	570,386
West South Central	228,632	554,157	136,604	886,111	1,846,287	348,256
Pacific	6,834,257	1,731,558	1,491,935	8,709,757	1,619,861	338,759
<b>All</b>	<b>21,970,847</b>	<b>18,174,229</b>	<b>13,935,880</b>	<b>30,248,395</b>	<b>44,287,999</b>	<b>41,695,747</b>

### Milling Toolholders, HSK - Region



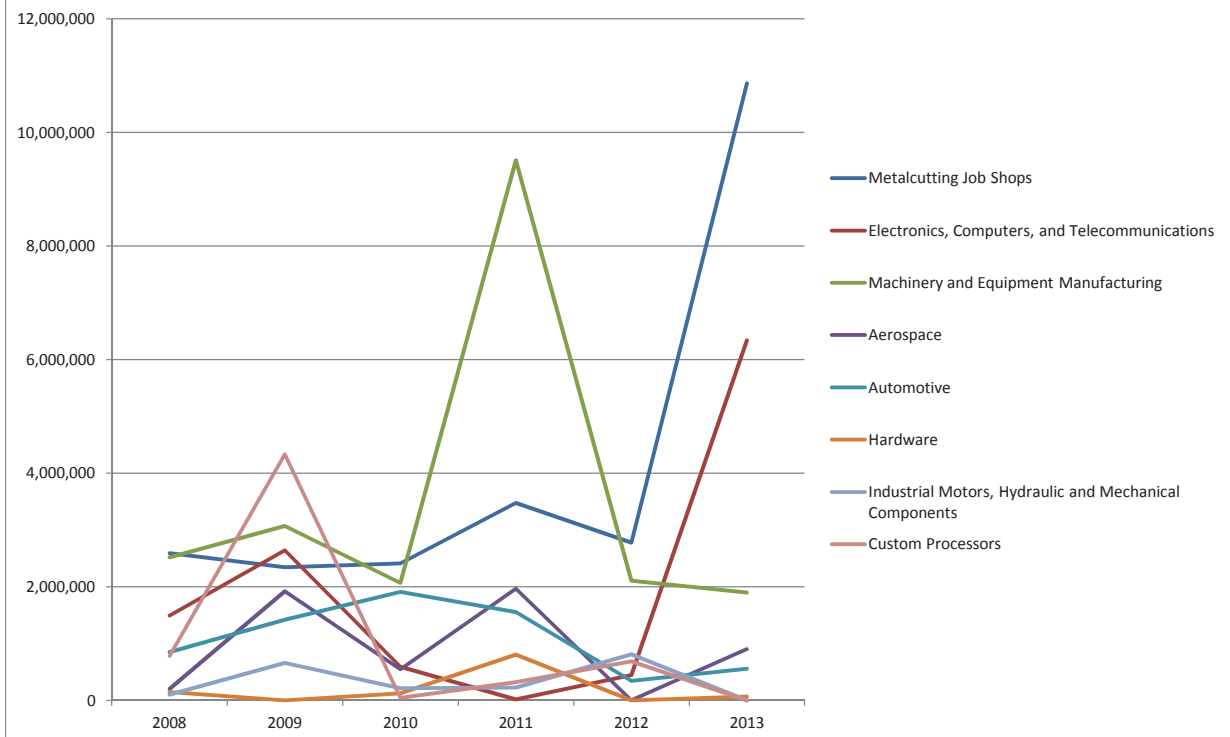
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Toolholders, other

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	2,592,582	2,342,790	2,412,221	3,477,248	2,780,237	10,860,903
Pumps, Valves and Plumbing Products	344,933	1,450,625	141,585	1,066,200	858,441	10,137,509
Electronics, Computers, and Telecommunications	1,496,230	2,645,761	592,701	20,798	444,096	6,340,416
Machinery and Equipment Manufacturing	2,520,717	3,072,356	2,069,779	9,507,610	2,110,403	1,901,540
Aerospace	204,609	1,922,395	547,987	1,965,963	0	900,240
Automotive	849,799	1,420,644	1,911,568	1,557,106	348,045	557,115
Forming and Fabricating (non-auto)	1,592,955	494,030	1,671,094	171,198	1,317,442	511,421
Medical	583,673	151,635	822,880	743,849	782,305	422,334
Non-Manufacturing	7,770	0	257,521	403,314	30,800	72,338
Hardware	147,582	0	125,871	804,639	0	69,306
Power Generation	246,594	252,233	212,615	0	341,661	35,346
HVAC	12,186	0	0	0	40,672	25,599
Military	99,003	234,173	170,755	0	0	19,598
Plastics and Rubber	1,597	9,699	9,658	51,286	716,211	1,400
Off-Road and Construction Machinery	4,114,922	0	150,542	325,649	822,350	0
Industrial Motors, Hydraulic and Mechanical Components	104,089	660,599	214,629	224,656	814,438	0
Custom Processors	782,423	4,333,659	47,149	320,707	686,979	0
Oil, Gas Field, and Mining Machinery	0	32,199	82,938	963,356	80,654	0
Petrochemical Processors	2,719	0	229,560	0	14,041	0
Primary Metals	337,307	783,370	51,310	593,588	5,975	0
Appliances	132,088	0	0	408,150	0	0
Other Manufacturing	130,534	542,372	0	335,149	0	0
Wood and Paper Products	0	14,073	0	0	0	0
Construction Materials	0	8,181	0	0	0	0
Printing	0	6,773	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>16,304,310</b>	<b>20,377,567</b>	<b>11,722,360</b>	<b>22,940,465</b>	<b>12,194,750</b>	<b>31,855,064</b>

### Milling Toolholders, HSK - Industry

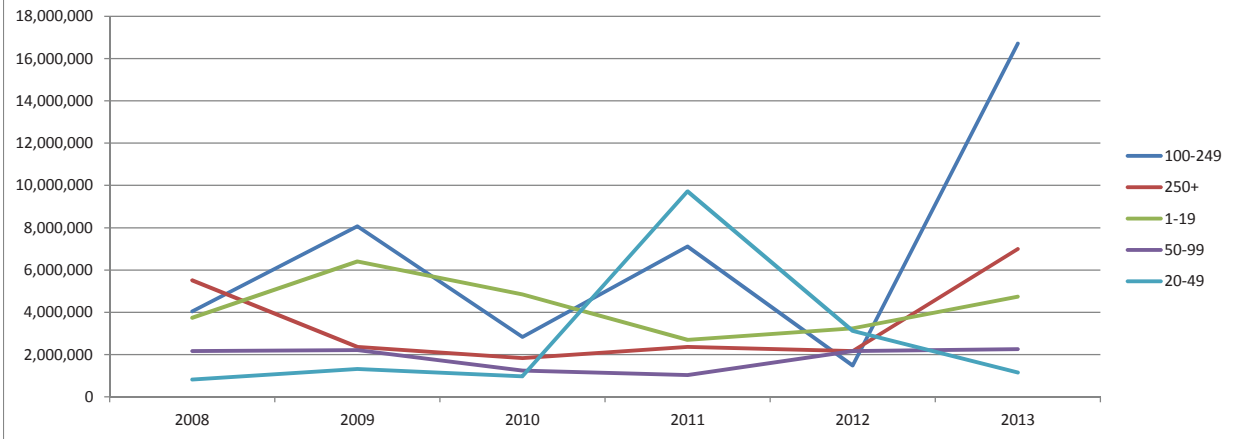


# MILLING TOOLHOLDERS, OTHER

## Milling Toolholders, other

Plant Size	2008	2009	2010	2011	2012	2013
100-249	4,044,894	8,068,289	2,832,818	7,116,408	1,492,972	16,708,122
250+	5,516,179	2,358,473	1,829,758	2,367,280	2,162,930	6,987,400
1-19	3,747,521	6,408,338	4,849,762	2,703,768	3,248,090	4,743,619
50-99	2,170,990	2,220,692	1,237,930	1,030,874	2,173,461	2,258,755
20-49	824,726	1,321,774	972,092	9,722,135	3,117,297	1,157,169
<b>All</b>	<b>16,304,310</b>	<b>20,377,567</b>	<b>11,722,360</b>	<b>22,940,465</b>	<b>12,194,750</b>	<b>31,855,064</b>

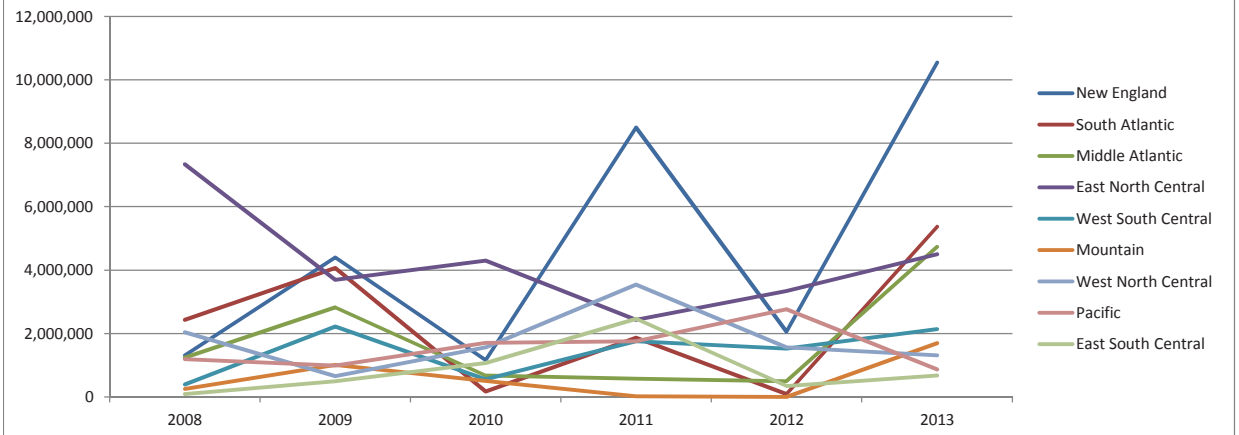
### Milling Toolholders, other - Plant Size



## Milling Toolholders, other

Region	2008	2009	2010	2011	2012	2013
New England	1,316,266	4,398,464	1,167,371	8,498,320	2,065,156	10,543,540
South Atlantic	2,433,460	4,072,659	170,364	1,868,252	93,088	5,367,098
Middle Atlantic	1,239,791	2,824,744	674,475	582,695	500,770	4,730,164
East North Central	7,334,599	3,690,856	4,301,534	2,436,868	3,337,199	4,505,446
West South Central	399,317	2,222,404	558,934	1,762,033	1,524,900	2,140,450
Mountain	251,145	1,016,380	506,266	28,034	0	1,697,461
West North Central	2,036,731	656,941	1,567,610	3,542,574	1,562,870	1,318,236
Pacific	1,197,162	993,810	1,708,279	1,756,288	2,762,569	872,793
East South Central	95,839	501,308	1,067,528	2,465,402	348,198	679,876
<b>All</b>	<b>16,304,310</b>	<b>20,377,567</b>	<b>11,722,360</b>	<b>22,940,465</b>	<b>12,194,750</b>	<b>31,855,064</b>

### Milling Toolholders, other - Region



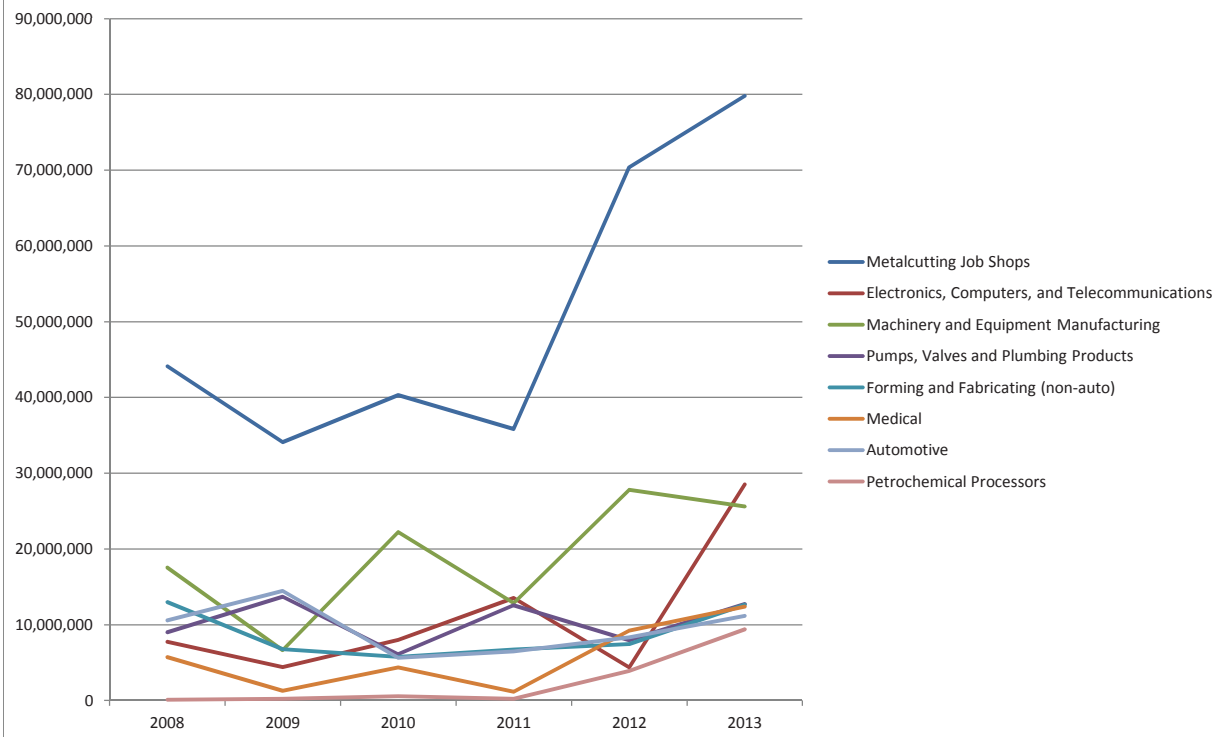
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Milling Toolholders, traditional V-flange

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	44,133,368	34,111,129	40,327,167	35,825,413	70,371,731	79,789,327
Electronics, Computers, and Telecommunications	7,744,911	4,387,596	8,016,015	13,535,300	4,384,150	28,526,801
Machinery and Equipment Manufacturing	17,544,579	6,653,420	22,243,070	12,853,339	27,824,541	25,624,259
Pumps, Valves and Plumbing Products	8,993,932	13,683,295	6,089,316	12,546,675	7,948,089	12,710,985
Forming and Fabricating (non-auto)	12,971,598	6,752,225	5,769,325	6,740,049	7,464,437	12,624,712
Medical	5,700,485	1,263,298	4,382,026	1,151,492	9,200,762	12,373,741
Automotive	10,587,512	14,480,063	5,641,765	6,472,477	8,331,571	11,181,698
Petrochemical Processors	91,294	244,917	544,066	208,943	3,894,413	9,371,899
Power Generation	2,497,295	5,092,189	2,145,811	268,387	2,858,547	8,283,925
Industrial Motors, Hydraulic and Mechanical Components	4,305,040	3,120,273	6,137,850	12,809,945	3,511,815	8,155,942
Aerospace	6,655,513	4,815,278	7,388,777	25,203,857	27,811,943	5,125,166
HVAC	1,357,573	0	1,349,831	125,943	3,764,826	3,117,663
Off-Road and Construction Machinery	7,679,377	476,468	3,815,269	6,646,920	5,589,631	2,811,655
Other Manufacturing	10,525,659	2,592,490	1,628,705	4,163,170	8,236,287	2,625,164
Hardware	14,114,604	1,433,090	5,541,868	2,718,135	4,315,041	1,559,388
Military	5,434,075	2,985,705	1,946,533	2,442,642	195,225	1,548,215
Non-Manufacturing	12,116,534	149,976	257,521	1,805,655	3,134,289	602,530
Oil, Gas Field, and Mining Machinery	28,690,843	10,010,893	1,034,095	5,790,575	1,106,135	487,309
Plastics and Rubber	150,797	376,246	431,295	32,364	354,095	396,153
Printing	152,320	60,953	0	0	0	123,185
Primary Metals	1,133,603	3,306,778	596,721	463,087	756,226	33,596
Custom Processors	2,672,036	19,251,548	1,129,110	3,730,140	3,492,943	3,360
Appliances	254,460	0	341,334	2,448,129	248,976	0
Wood and Paper Products	0	91,707	0	175,323	19,147	0
Furniture Manufacturing	589,757	4,683	115,869	2,505,737	0	0
Construction Materials	0	73,625	0	0	0	0
Ship Building	6,993	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>206,104,158</b>	<b>135,417,845</b>	<b>126,873,340</b>	<b>160,663,696</b>	<b>204,814,822</b>	<b>227,076,672</b>

### Milling Toolholders, traditional V-flange - Industry



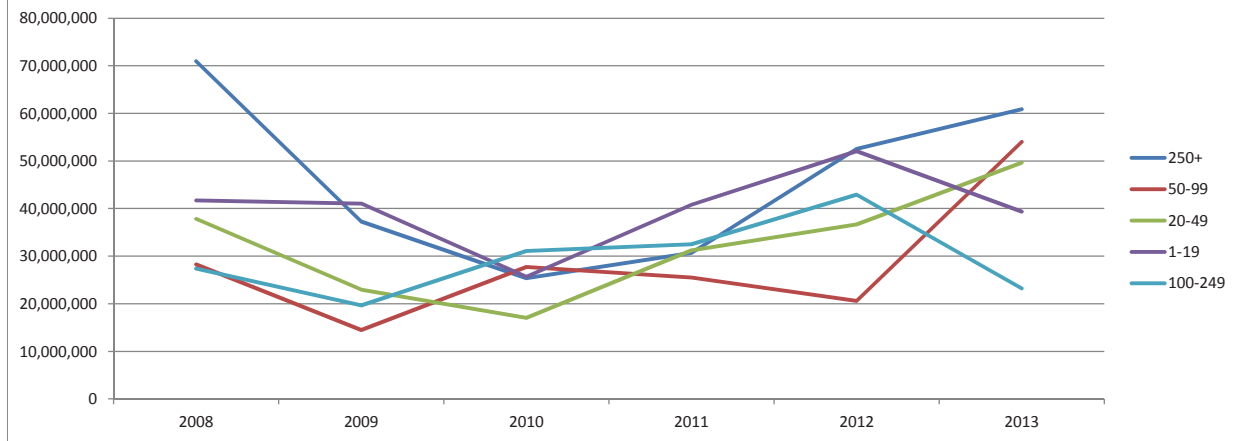


# MILLING TOOLHOLDERS, TRADITIONAL V-FLANGE

## Milling Toolholders, traditional V-flange

Plant Size	2008	2009	2010	2011	2012	2013
250+	70,970,206	37,251,324	25,385,994	30,670,775	52,527,498	60,876,939
50-99	28,232,457	14,497,870	27,742,087	25,503,425	20,619,794	54,008,680
20-49	37,813,187	22,927,310	17,049,792	31,228,845	36,698,444	49,671,651
1-19	41,703,182	41,068,884	25,608,521	40,739,247	52,074,672	39,328,712
100-249	27,385,126	19,672,456	31,086,945	32,521,404	42,894,414	23,190,691
<b>All</b>	<b>206,104,158</b>	<b>135,417,845</b>	<b>126,873,340</b>	<b>160,663,696</b>	<b>204,814,822</b>	<b>227,076,672</b>

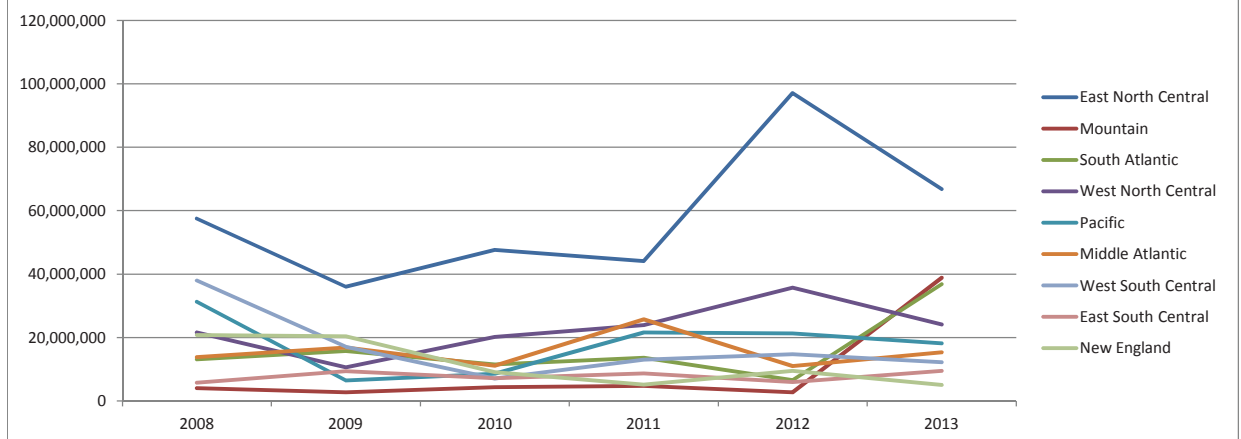
### Milling Toolholders, traditional V-flange - Plant Size



## Milling Toolholders, traditional V-flange

Region	2008	2009	2010	2011	2012	2013
East North Central	57,502,181	36,019,482	47,676,872	44,113,610	97,056,484	66,807,998
Mountain	4,084,191	2,733,738	4,399,918	4,745,092	2,767,555	38,889,191
South Atlantic	13,156,342	15,761,989	11,493,431	13,647,178	6,583,682	36,853,579
West North Central	21,661,652	10,599,799	20,243,829	23,965,654	35,772,242	24,133,981
Pacific	31,295,127	6,508,274	8,571,610	21,648,574	21,284,268	18,216,505
Middle Atlantic	13,823,208	16,874,211	11,105,698	25,708,883	11,052,867	15,383,088
West South Central	38,002,170	17,103,441	7,044,670	13,022,772	14,735,629	12,244,959
East South Central	5,754,019	9,370,964	7,186,681	8,669,630	6,028,869	9,501,452
New England	20,825,268	20,445,946	9,150,631	5,142,303	9,533,225	5,045,919
<b>All</b>	<b>206,104,158</b>	<b>135,417,845</b>	<b>126,873,340</b>	<b>160,663,696</b>	<b>204,814,822</b>	<b>227,076,672</b>

### Milling Toolholders, traditional V-flange - Region



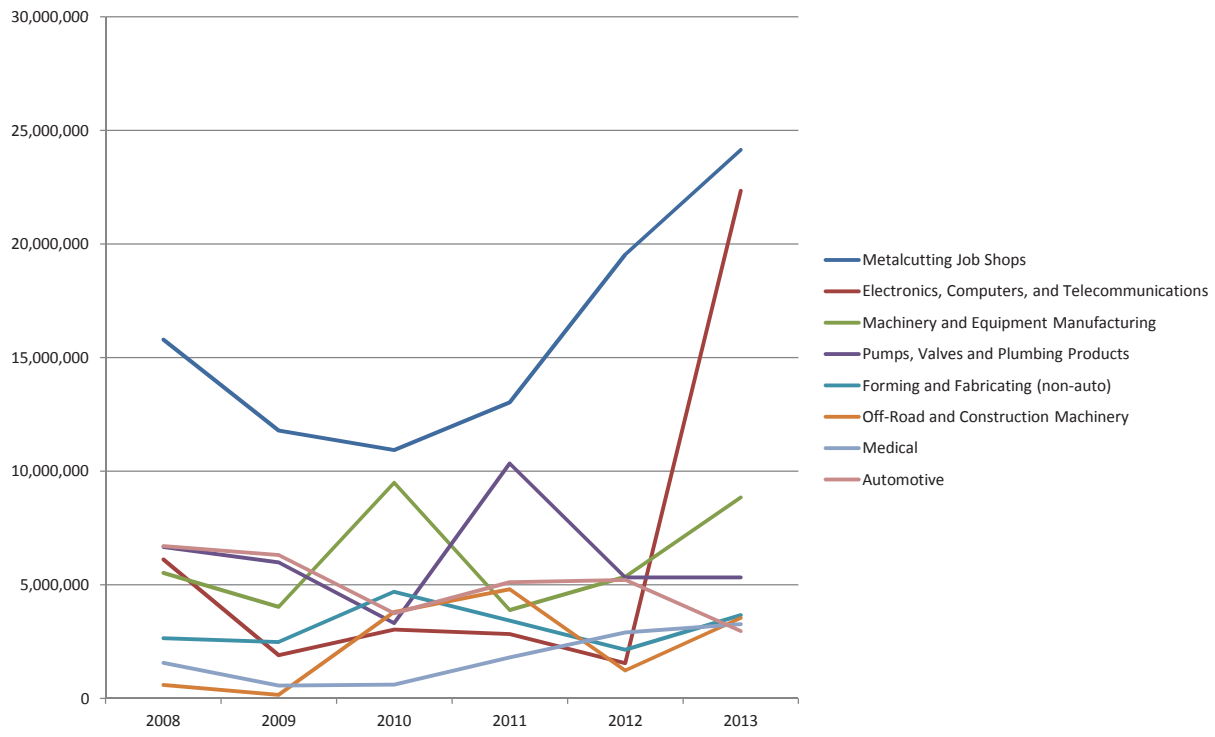
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Turning Tools (ex. Inserts), boring

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	15,783,601	11,783,209	10,927,372	13,029,305	19,534,836	24,132,567
Electronics, Computers, and Telecommunications	6,121,800	1,903,402	3,037,695	2,841,095	1,549,911	22,340,658
Machinery and Equipment Manufacturing	5,530,123	4,032,876	9,490,487	3,888,730	5,360,830	8,846,433
Pumps, Valves and Plumbing Products	6,669,877	5,992,909	3,314,669	10,338,375	5,320,052	5,330,318
Forming and Fabricating (non-auto)	2,648,766	2,479,549	4,698,801	3,428,479	2,141,147	3,671,094
Off-Road and Construction Machinery	588,921	163,921	3,805,534	4,806,051	1,234,877	3,531,758
Medical	1,568,089	574,028	607,362	1,802,830	2,902,464	3,270,293
Automotive	6,700,061	6,310,027	3,756,570	5,111,371	5,208,796	2,964,065
Aerospace	1,107,002	1,632,824	2,367,304	12,646,072	8,510,114	1,845,391
HVAC	911,076	0	698,551	44,780	111,744	1,305,605
Industrial Motors, Hydraulic and Mechanical Components	1,178,425	1,842,026	2,800,552	2,676,245	1,540,829	1,129,141
Other Manufacturing	2,676,509	1,878,912	161,583	3,708,806	4,182,441	1,019,829
Petrochemical Processors	47,007	56,775	156,299	104,471	1,568,731	691,970
Hardware	2,281,152	27,873	607,536	875,073	111,158	675,735
Military	509,288	661,964	1,058,675	1,158,349	0	666,320
Oil, Gas Field, and Mining Machinery	12,531,906	4,774,201	282,421	1,757,514	276,569	266,617
Plastics and Rubber	117,257	113,125	354,632	211,373	93,686	95,296
Power Generation	893,673	297,408	560,941	87,438	1,866,235	94,431
Non-Manufacturing	696,179	59,990	257,521	675,594	30,800	42,450
Primary Metals	475,034	124,980	420,808	163,729	61,297	5,039
Custom Processors	954,846	683,994	294,987	1,090,812	2,115,267	1,680
Ship Building	3,496	0	0	0	658,676	0
Furniture Manufacturing	11,497	0	48,787	648,676	0	0
Appliances	12,237	0	0	514,021	0	0
Wood and Paper Products	0	351	0	47,026	0	0
Construction Materials	0	8,181	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>70,017,823</b>	<b>45,402,525</b>	<b>49,709,090</b>	<b>71,656,213</b>	<b>64,380,461</b>	<b>81,926,689</b>

### Turning Tools (ex. Inserts), boring - Industry

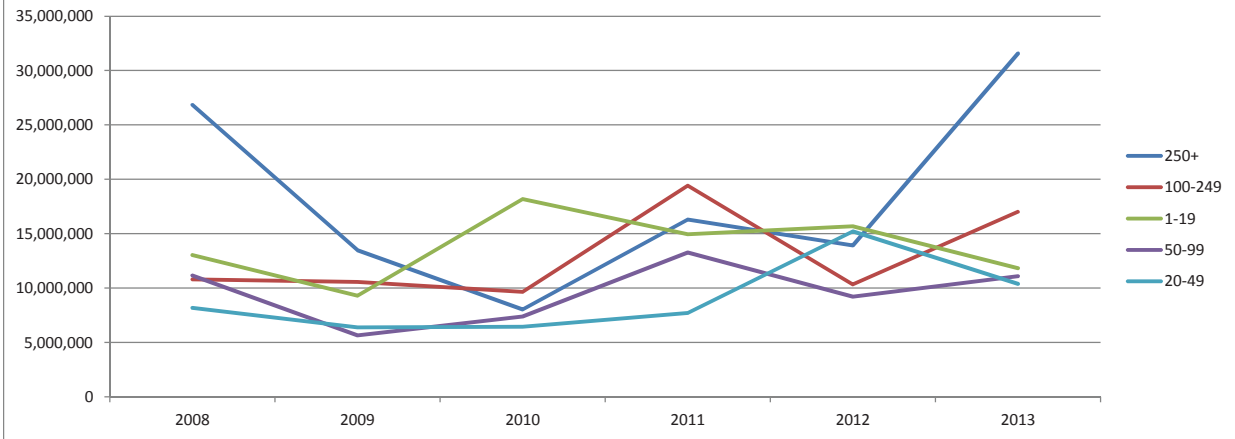


# TURNING TOOLS (ex. Inserts), BORING

## Turning Tools (ex. Inserts), boring

Plant Size	2008	2009	2010	2011	2012	2013
250+	26,840,698	13,470,231	8,036,474	16,296,107	13,930,217	31,574,007
100-249	10,813,999	10,572,795	9,665,346	19,436,822	10,319,926	17,011,718
1-19	13,031,903	9,308,874	18,185,911	14,939,253	15,701,814	11,839,063
50-99	11,148,950	5,656,443	7,381,262	13,277,271	9,215,797	11,099,584
20-49	8,182,274	6,394,182	6,440,097	7,706,760	15,212,708	10,402,318
<b>All</b>	<b>70,017,823</b>	<b>45,402,525</b>	<b>49,709,090</b>	<b>71,656,213</b>	<b>64,380,461</b>	<b>81,926,689</b>

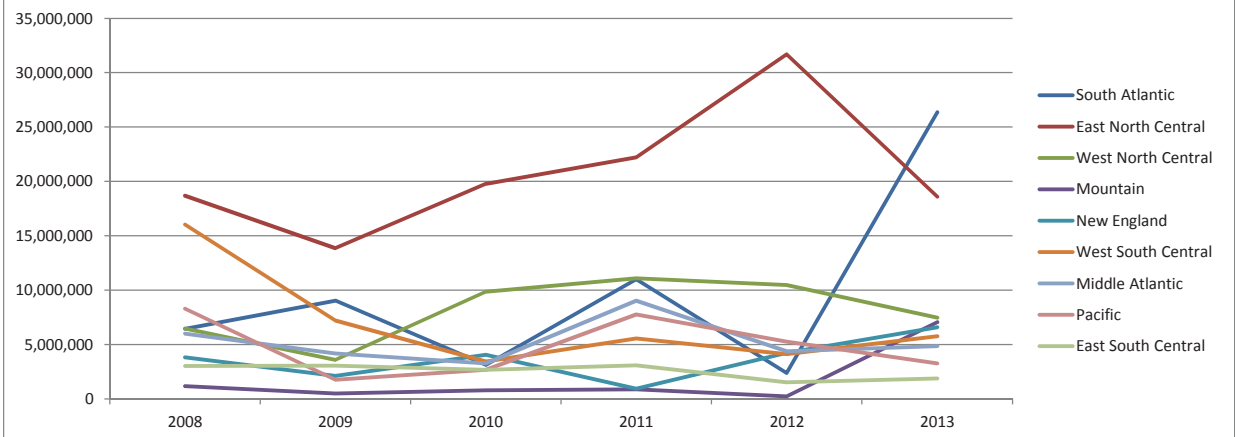
### Turning Tools (ex. Inserts), boring - Plant Size



## Turning Tools (ex. Inserts), boring

Region	2008	2009	2010	2011	2012	2013
South Atlantic	6,461,067	9,038,303	3,133,884	11,001,184	2,390,243	26,360,590
East North Central	18,681,794	13,867,619	19,776,984	22,232,484	31,680,827	18,602,498
West North Central	6,474,901	3,585,387	9,870,954	11,103,381	10,495,504	7,488,886
Mountain	1,196,926	523,005	790,557	887,918	258,483	7,069,158
New England	3,818,487	2,131,832	4,054,511	947,112	4,240,061	6,599,534
West South Central	16,045,614	7,206,205	3,453,237	5,578,270	4,114,319	5,774,138
Middle Atlantic	6,002,884	4,187,003	3,266,086	9,027,216	4,392,572	4,852,823
Pacific	8,290,252	1,783,346	2,675,998	7,782,658	5,274,913	3,288,441
East South Central	3,045,899	3,079,824	2,686,880	3,095,990	1,533,539	1,890,619
<b>All</b>	<b>70,017,823</b>	<b>45,402,525</b>	<b>49,709,090</b>	<b>71,656,213</b>	<b>64,380,461</b>	<b>81,926,689</b>

### Turning Tools (ex. Inserts), boring - Region



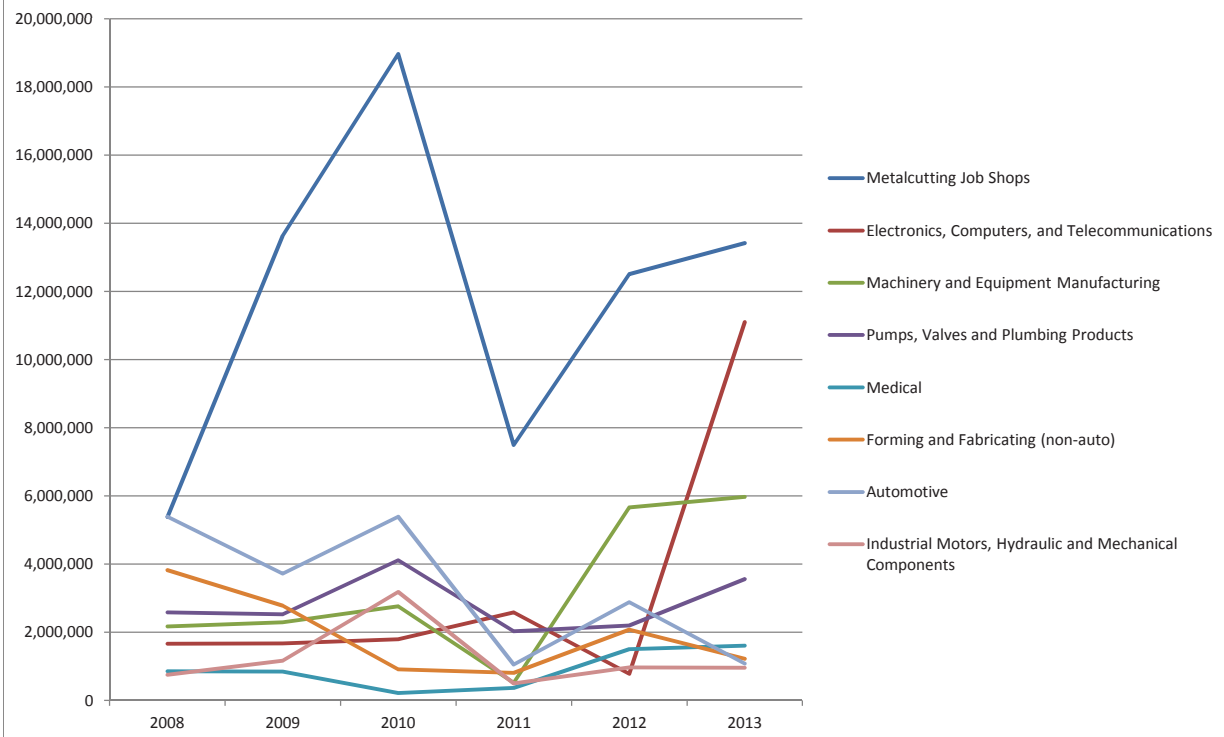
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Turning Tools (ex. Inserts), form/special

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	5,382,384	13,633,690	18,966,166	7,497,493	12,507,419	13,412,942
Electronics, Computers, and Telecommunications	1,666,608	1,669,185	1,797,538	2,582,094	779,508	11,095,762
Machinery and Equipment Manufacturing	2,174,982	2,294,426	2,763,076	516,171	5,662,712	5,969,197
Pumps, Valves and Plumbing Products	2,587,732	2,525,044	4,115,558	2,028,504	2,198,460	3,555,933
Medical	854,014	852,086	223,119	364,275	1,505,560	1,608,023
Forming and Fabricating (non-auto)	3,819,276	2,781,301	915,988	811,673	2,080,677	1,218,906
Automotive	5,386,662	3,723,697	5,393,447	1,057,157	2,880,993	1,083,800
Industrial Motors, Hydraulic and Mechanical Components	752,148	1,167,678	3,189,727	502,353	970,437	957,842
Aerospace	772,683	4,128,420	762,925	8,330,979	5,939,493	945,751
Hardware	864,692	80,694	472,810	874,880	1,451,941	775,362
HVAC	24,960	0	540,693	11,195	0	597,315
Non-Manufacturing	622,080	29,995	0	447,464	92,399	339,600
Military	1,733,972	468,346	34,147	0	0	156,781
Other Manufacturing	691,984	559,968	48,787	1,272,560	1,160,915	140,883
Petrochemical Processors	27,195	41,014	215,241	52,236	815,958	130,815
Off-Road and Construction Machinery	101,423	81,961	1,402,404	670,749	539,609	108,291
Oil, Gas Field, and Mining Machinery	25,387	533,329	197,313	142,719	0	97,462
Primary Metals	170,613	61,951	192,610	24,693	0	11,759
Power Generation	391,019	3,287,653	734,321	47,194	1,215,212	10,309
Ship Building	0	0	0	0	564,579	0
Custom Processors	292,588	381,564	294,987	483,197	314,491	0
Plastics and Rubber	23,146	150,366	340,675	59,187	15,627	0
Appliances	12,237	0	0	338,528	0	0
Wood and Paper Products	0	88	0	55,601	0	0
Furniture Manufacturing	0	0	24,394	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>28,377,785</b>	<b>38,452,457</b>	<b>42,625,925</b>	<b>28,170,901</b>	<b>40,695,991</b>	<b>42,216,734</b>

### Turning Tools (ex. Inserts), form/special - Industry

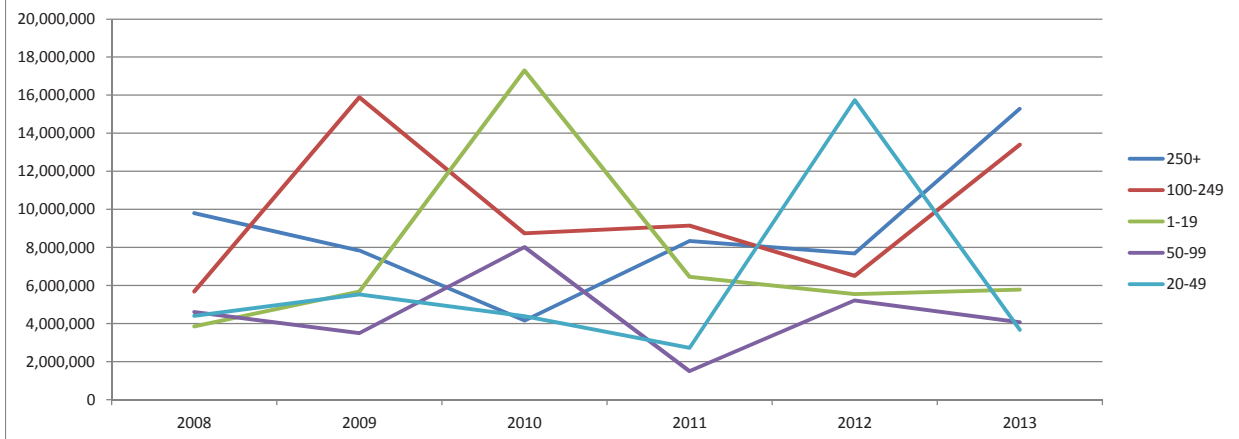


# TURNING TOOLS (ex. Inserts), FORM/SPECIAL

## Turning Tools (ex. Inserts), form/special

Plant Size	2008	2009	2010	2011	2012	2013
250+	9,807,321	7,834,554	4,161,905	8,346,710	7,688,657	15,279,531
100-249	5,688,891	15,890,578	8,745,167	9,142,205	6,509,222	13,404,629
1-19	3,861,997	5,691,126	17,304,975	6,454,484	5,550,474	5,787,231
50-99	4,611,444	3,503,597	8,018,829	1,499,100	5,210,669	4,073,906
20-49	4,408,131	5,532,602	4,395,049	2,728,402	15,736,969	3,671,436
<b>All</b>	<b>28,377,785</b>	<b>38,452,457</b>	<b>42,625,925</b>	<b>28,170,901</b>	<b>40,695,991</b>	<b>42,216,734</b>

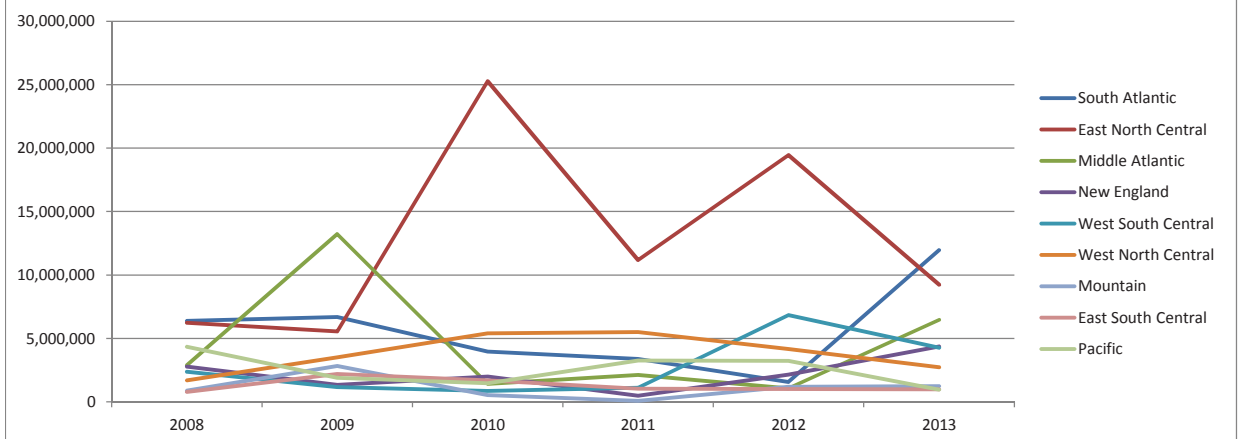
### Turning Tools (ex. Inserts), form/special - Plant Size



## Turning Tools (ex. Inserts), form/special

Region	2008	2009	2010	2011	2012	2013
South Atlantic	6,391,994	6,696,064	3,958,266	3,380,837	1,561,568	11,947,258
East North Central	6,238,188	5,553,981	25,278,513	11,188,064	19,448,794	9,242,428
Middle Atlantic	2,870,493	13,226,482	1,411,403	2,120,220	1,071,861	6,459,775
New England	2,782,722	1,351,308	1,999,691	485,082	2,159,491	4,382,071
West South Central	2,381,877	1,171,007	864,199	1,118,276	6,846,059	4,265,412
West North Central	1,690,435	3,518,042	5,415,295	5,506,235	4,169,686	2,729,981
Mountain	892,577	2,828,542	525,872	79,260	1,193,490	1,232,271
East South Central	796,479	2,198,963	1,695,193	1,035,093	1,019,220	1,002,500
Pacific	4,333,020	1,908,068	1,477,494	3,257,833	3,225,823	955,038
<b>All</b>	<b>28,377,785</b>	<b>38,452,457</b>	<b>42,625,925</b>	<b>28,170,901</b>	<b>40,695,991</b>	<b>42,216,734</b>

### Turning Tools (ex. Inserts), form/special - Region



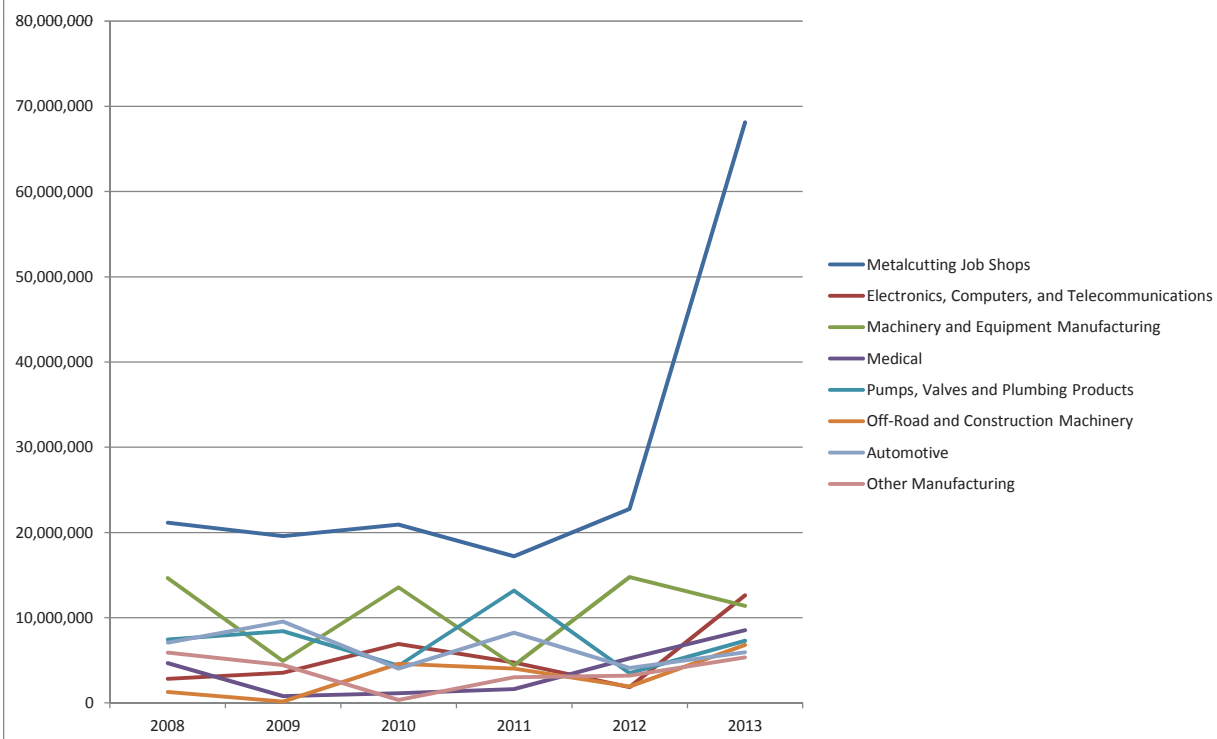
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Turning Tools (ex. Inserts), OD/facing

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	21,160,106	19,589,093	20,942,840	17,226,853	22,748,834	68,129,063
Electronics, Computers, and Telecommunications	2,816,783	3,529,651	6,918,019	4,732,378	1,849,667	12,621,233
Machinery and Equipment Manufacturing	14,655,018	4,935,793	13,562,283	4,414,762	14,749,050	11,373,652
Medical	4,681,533	781,814	1,151,026	1,639,119	5,229,210	8,535,989
Pumps, Valves and Plumbing Products	7,462,155	8,422,820	4,351,780	13,182,465	3,484,979	7,313,356
Off-Road and Construction Machinery	1,279,822	163,921	4,610,052	4,047,477	1,915,574	6,790,772
Automotive	7,088,055	9,536,588	4,018,818	8,221,818	4,111,473	5,957,543
Other Manufacturing	5,919,511	4,432,416	336,322	3,010,812	3,221,443	5,338,266
Forming and Fabricating (non-auto)	2,861,733	3,139,027	2,760,724	2,256,082	2,167,447	3,885,102
Hardware	6,130,644	209,036	1,334,259	724,377	433,775	3,530,281
Petrochemical Processors	19,812	88,935	582,967	52,236	1,589,793	3,471,941
Aerospace	2,524,001	2,845,059	5,404,748	10,658,406	11,006,769	2,906,813
Industrial Motors, Hydraulic and Mechanical Components	1,571,566	2,585,986	2,365,364	4,879,626	1,861,090	1,700,763
HVAC	3,328,341	0	754,483	55,975	111,744	1,357,342
Military	2,137,444	1,381,934	1,024,465	1,316,173	170,822	1,136,664
Oil, Gas Field, and Mining Machinery	8,730,327	5,294,650	1,603,127	4,573,356	69,142	302,464
Power Generation	4,829,510	1,353,118	1,245,900	136,897	1,730,617	54,346
Non-Manufacturing	4,094,197	59,990	772,563	1,113,946	184,798	42,450
Primary Metals	295,684	581,988	831,601	145,853	906,553	16,798
Custom Processors	1,076,715	1,790,244	751,060	1,495,220	3,072,618	1,680
Plastics and Rubber	177,398	375,092	422,304	516,213	687,291	0
Ship Building	8,158	0	0	0	658,676	0
Furniture Manufacturing	45,988	4,683	48,787	973,013	0	0
Appliances	97,898	0	0	900,127	0	0
Wood and Paper Products	0	1,317	0	104,010	0	0
Construction Materials	0	32,722	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>102,992,403</b>	<b>71,135,877</b>	<b>75,793,492</b>	<b>86,377,193</b>	<b>81,961,361</b>	<b>144,466,518</b>

### Turning Tools (ex. Inserts), OD/facing - Industry

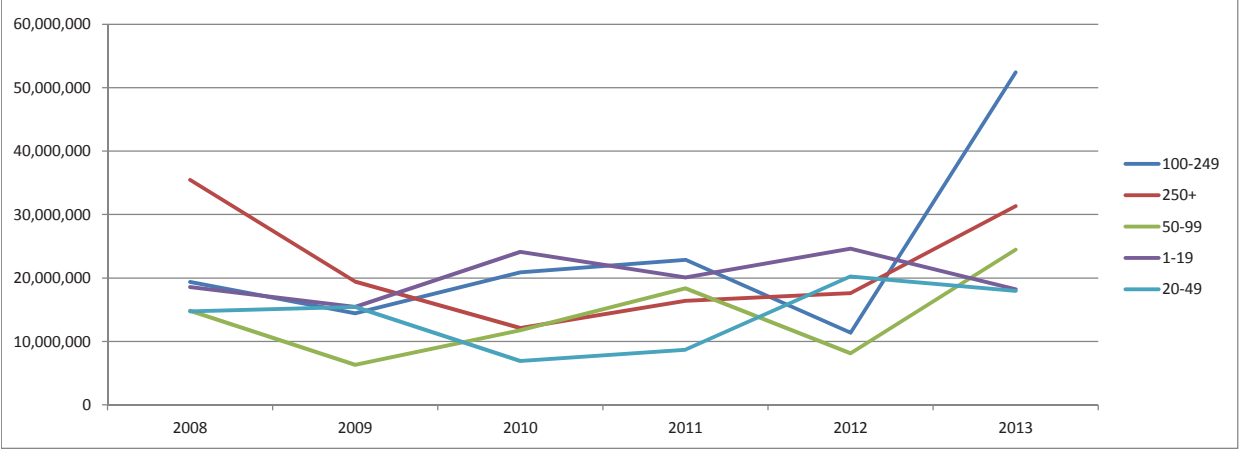


# TURNING TOOLS (ex. Inserts), OD/FACING

## Turning Tools (ex. Inserts), OD/facing

Plant Size	2008	2009	2010	2011	2012	2013
100-249	19,389,273	14,459,421	20,873,371	22,851,333	11,346,612	52,405,589
250+	35,456,354	19,434,867	12,134,644	16,396,729	17,600,574	31,344,560
50-99	14,816,413	6,327,755	11,741,694	18,372,438	8,132,751	24,497,304
1-19	18,574,311	15,461,490	24,138,077	20,076,437	24,649,602	18,242,629
20-49	14,756,052	15,452,343	6,905,706	8,680,256	20,231,822	17,976,436
<b>All</b>	<b>102,992,403</b>	<b>71,135,877</b>	<b>75,793,492</b>	<b>86,377,193</b>	<b>81,961,361</b>	<b>144,466,518</b>

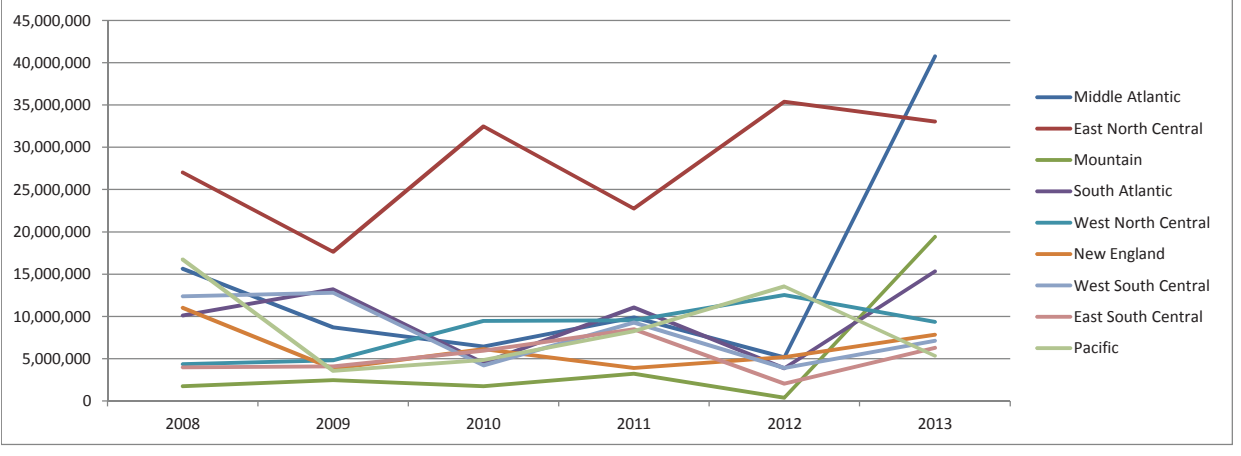
Turning Tools (ex. Inserts), OD/facing - Plant Size



## Turning Tools (ex. Inserts), OD/facing

Region	2008	2009	2010	2011	2012	2013
Middle Atlantic	15,629,387	8,720,344	6,439,993	9,870,498	5,159,597	40,739,801
East North Central	27,009,961	17,642,979	32,468,168	22,743,355	35,359,979	33,028,683
Mountain	1,757,257	2,464,249	1,762,180	3,227,565	390,805	19,423,342
South Atlantic	10,097,843	13,216,624	4,520,296	11,042,807	3,873,757	15,327,451
West North Central	4,350,693	4,800,368	9,478,450	9,556,179	12,516,975	9,336,968
New England	11,028,179	3,835,964	6,122,215	3,924,391	5,186,610	7,854,720
West South Central	12,390,303	12,780,079	4,207,674	9,295,612	3,893,888	7,137,604
East South Central	3,982,156	4,104,657	5,939,564	8,474,810	2,039,101	6,292,384
Pacific	16,746,624	3,570,614	4,854,951	8,241,976	13,540,650	5,325,565
<b>All</b>	<b>102,992,403</b>	<b>71,135,877</b>	<b>75,793,492</b>	<b>86,377,193</b>	<b>81,961,361</b>	<b>144,466,518</b>

Turning Tools (ex. Inserts), OD/facing - Region



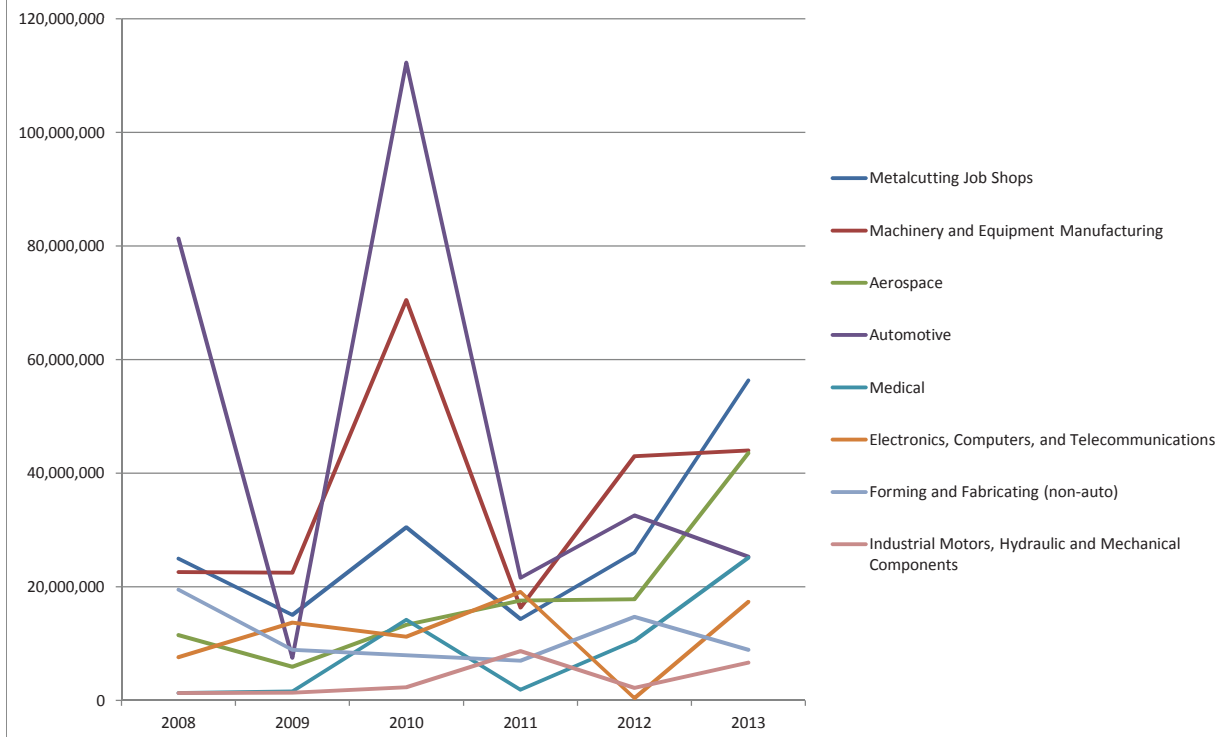
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Grinding Wheels and Other Abrasives

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	24,981,653	15,080,415	30,512,038	14,318,750	26,012,325	56,360,415
Machinery and Equipment Manufacturing	22,604,407	22,482,479	70,474,099	16,334,306	42,964,795	44,029,580
Aerospace	11,496,960	5,926,164	13,304,059	17,599,675	17,794,730	43,567,455
Automotive	81,295,221	7,501,022	112,290,035	21,588,140	32,589,253	25,325,607
Medical	1,315,448	1,618,999	14,186,576	1,860,557	10,482,231	25,131,892
Electronics, Computers, and Telecommunications	7,598,763	13,727,966	11,246,350	19,104,325	421,621	17,356,548
Forming and Fabricating (non-auto)	19,489,672	8,889,881	7,973,041	7,010,785	14,699,827	8,893,623
Industrial Motors, Hydraulic and Mechanical Components	1,298,926	1,381,227	2,298,503	8,716,424	2,240,995	6,678,708
Power Generation	4,910,998	4,762,095	930,983	467,204	361,292	6,513,556
Hardware	15,752,835	1,557,066	48,151,998	73,306,415	1,109,209	5,587,806
Off-Road and Construction Machinery	1,301,795	748,035	2,321,272	15,956,847	2,828,886	3,967,810
Other Manufacturing	3,226,045	427,739	1,533,812	2,718,163	1,586,427	3,359,598
Petrochemical Processors	161,319	249,931	441,397	451,100	92,606	3,324,440
HVAC	792,134	204,901	463,776	0	1,547,389	1,358,440
Pumps, Valves and Plumbing Products	8,631,564	7,968,212	3,160,587	11,822,768	6,755,605	1,145,284
Oil, Gas Field, and Mining Machinery	50,773	1,061,938	9,708,045	6,947,868	2,650,217	1,042,951
Military	750,750	3,073,520	1,814,847	45,874	0	783,906
Non-Manufacturing	10,041,180	504,465	128,760	3,505,420	607,384	190,592
Custom Processors	2,878,445	7,747,762	2,269,498	5,002,771	5,174,286	133,264
Primary Metals	2,054,234	1,584,399	2,313,620	1,194,742	1,116,106	33,596
Appliances	0	11,709	68,267	3,740,987	551,721	0
Plastics and Rubber	326,258	840,823	835,890	97,570	389,305	0
Furniture Manufacturing	228,877	0	0	56,984	0	0
Wood and Paper Products	0	1,157,186	0	46,334	0	0
Construction Materials	0	40,903	0	0	0	0
Ship Building	16,317	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>221,204,574</b>	<b>108,548,836</b>	<b>336,427,455</b>	<b>231,894,012</b>	<b>171,976,211</b>	<b>254,785,071</b>

### Grinding Wheels and Other Abrasives - Industry



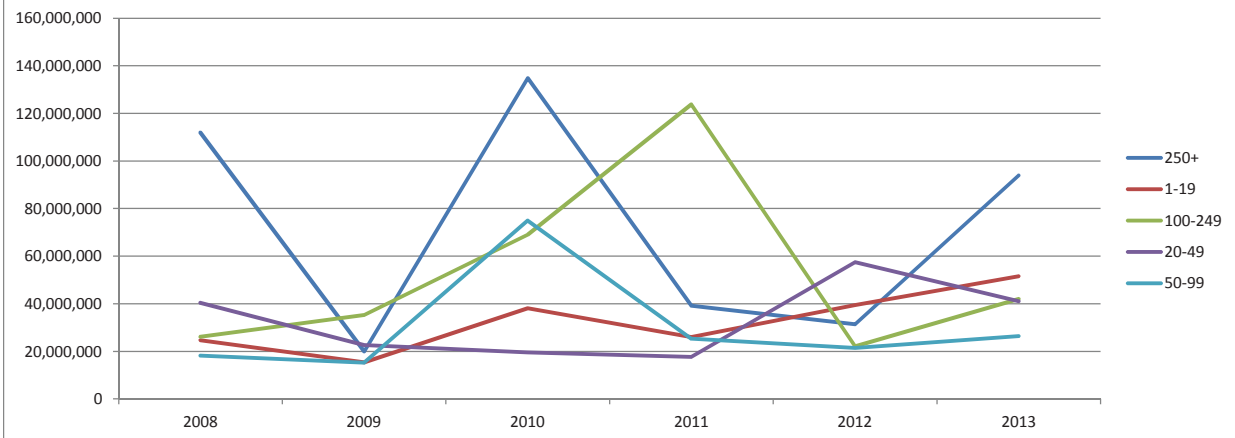


# GRINDING WHEELS and OTHER ABRASIVE

## Grinding Wheels and Other Abrasives

Plant Size	2008	2009	2010	2011	2012	2013
250+	111,977,004	19,952,705	134,752,728	39,108,964	31,374,483	93,845,688
1-19	24,583,262	15,401,172	38,087,340	26,036,093	39,505,809	51,577,066
100-249	26,067,487	35,267,996	69,093,082	123,720,814	22,127,795	42,007,296
20-49	40,439,178	22,683,499	19,564,146	17,702,052	57,526,312	41,001,375
50-99	18,137,644	15,243,464	74,930,159	25,326,090	21,441,813	26,353,647
<b>All</b>	<b>221,204,574</b>	<b>108,548,836</b>	<b>336,427,455</b>	<b>231,894,012</b>	<b>171,976,211</b>	<b>254,785,071</b>

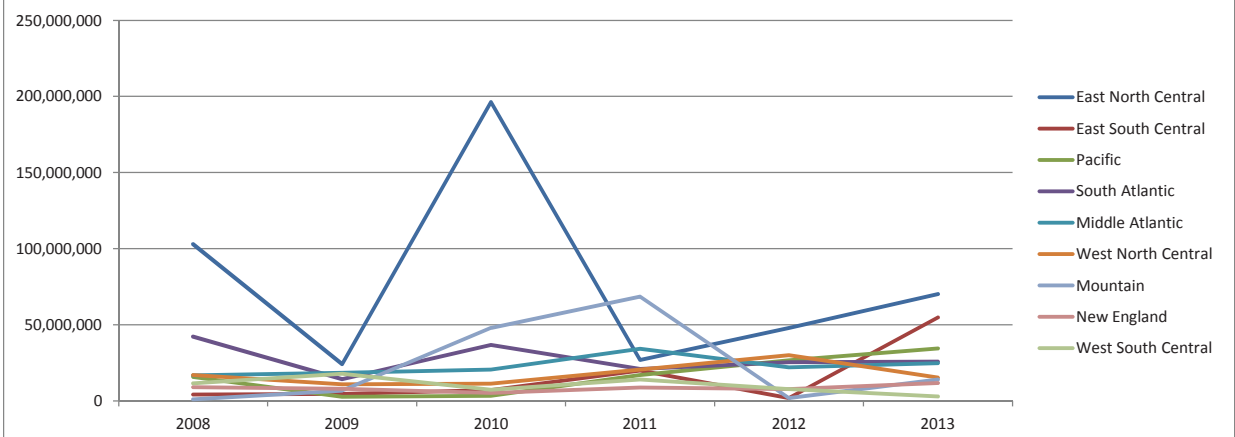
### Grinding Wheels and Other Abrasives - Plant Size



## Grinding Wheels and Other Abrasives

Region	2008	2009	2010	2011	2012	2013
East North Central	103,000,286	24,331,195	196,298,586	26,957,453	47,994,792	70,241,022
East South Central	4,256,793	4,751,771	7,162,525	20,110,786	1,937,590	54,919,048
Pacific	15,917,940	2,740,321	3,505,126	17,119,584	26,742,943	34,593,887
South Atlantic	42,285,238	14,323,799	36,747,546	21,029,688	25,568,908	25,970,309
Middle Atlantic	16,862,531	18,659,027	20,563,507	34,312,692	22,047,464	24,797,174
West North Central	17,120,963	10,995,211	11,377,757	20,663,377	30,063,261	15,415,849
Mountain	1,182,802	6,864,626	48,058,471	68,565,100	1,879,339	14,062,914
New England	9,044,674	7,991,387	5,217,151	8,972,746	7,862,305	11,803,524
West South Central	11,533,348	17,891,499	7,496,787	14,162,587	7,879,610	2,981,345
<b>All</b>	<b>221,204,574</b>	<b>108,548,836</b>	<b>336,427,455</b>	<b>231,894,012</b>	<b>171,976,211</b>	<b>254,785,071</b>

### Grinding Wheels and Other Abrasives - Region



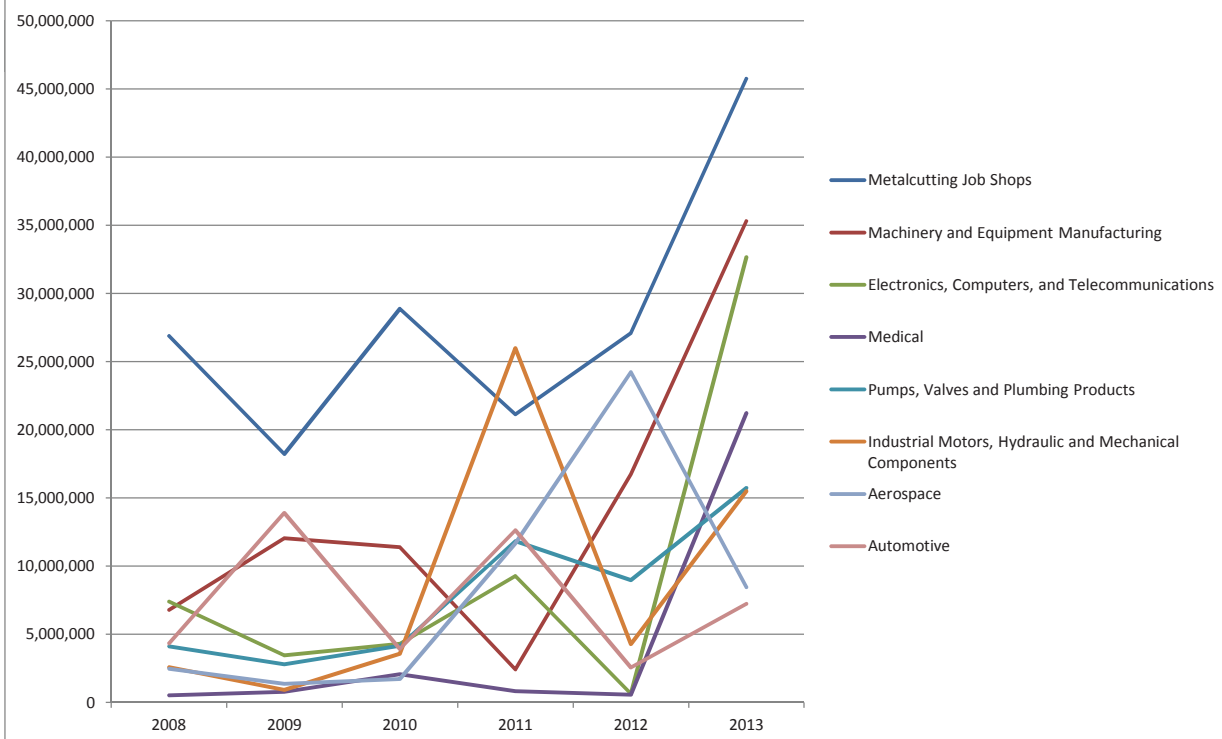
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Boring Heads

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	26,878,161	18,220,600	28,871,744	21,124,301	27,093,524	45,755,309
Machinery and Equipment Manufacturing	6,790,112	12,046,525	11,400,308	2,415,154	16,740,983	35,305,692
Electronics, Computers, and Telecommunications	7,396,237	3,456,307	4,307,325	9,266,608	651,558	32,647,527
Medical	522,106	785,279	2,069,311	819,538	565,894	21,215,523
Pumps, Valves and Plumbing Products	4,105,074	2,801,555	4,149,523	11,841,386	8,979,997	15,722,648
Industrial Motors, Hydraulic and Mechanical Components	2,578,171	923,729	3,578,655	25,996,149	4,281,013	15,489,378
Aerospace	2,478,879	1,378,942	1,723,870	11,677,228	24,222,646	8,466,957
Automotive	4,335,114	13,891,194	3,915,265	12,625,873	2,554,231	7,245,545
Petrochemical Processors	54,389	122,590	517,820	167,154	2,022,344	3,644,981
Forming and Fabricating (non-auto)	16,489,560	3,042,343	11,701,805	715,864	1,779,564	2,813,319
Oil, Gas Field, and Mining Machinery	50,773	3,544,793	82,938	6,932,577	1,958,795	2,280,013
Off-Road and Construction Machinery	273,784	0	3,703,503	6,051,317	4,798,617	2,248,543
Other Manufacturing	191,770	4,557,078	712,291	2,410,763	5,083,513	1,835,233
Military	1,019,771	3,805,310	5,122,639	2,316,699	0	783,906
HVAC	31,936	0	1,888,595	0	223,488	717,749
Plastics and Rubber	30,593	919,448	0	379,892	119,508	397,552
Hardware	152,320	85,350	665,860	2,610,535	806,542	346,531
Power Generation	2,494,841	2,354,920	2,366,530	15,445	0	55,993
Custom Processors	1,539,520	773,735	213,248	1,393,881	1,826,378	0
Ship Building	0	0	0	0	1,129,159	0
Primary Metals	308,305	3,109,560	1,340,404	157,430	1,020,295	0
Non-Manufacturing	5,923,542	299,952	0	1,303,598	25,666	0
Appliances	0	0	0	1,711,898	0	0
Furniture Manufacturing	266,136	0	121,968	540,563	0	0
Wood and Paper Products	0	36,050	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>83,911,095</b>	<b>76,155,260</b>	<b>88,453,601</b>	<b>122,473,853</b>	<b>105,883,716</b>	<b>196,972,400</b>

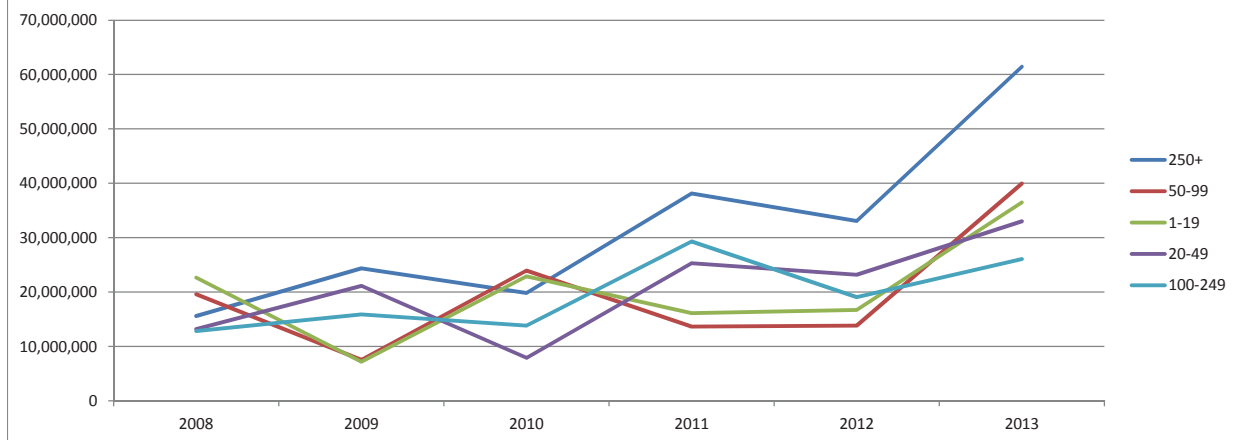
### Boring Heads - Industry



### Boring Heads

Plant Size	2008	2009	2010	2011	2012	2013
250+	15,592,571	24,400,235	19,847,543	38,125,139	33,068,221	61,446,808
50-99	19,624,470	7,547,014	23,986,746	13,643,311	13,839,082	39,969,547
1-19	22,649,569	7,182,487	22,885,023	16,111,999	16,708,863	36,468,471
20-49	13,177,343	21,130,329	7,896,201	25,305,305	23,203,310	33,005,894
100-249	12,867,142	15,895,194	13,838,088	29,288,100	19,064,241	26,081,681
<b>All</b>	<b>83,911,095</b>	<b>76,155,260</b>	<b>88,453,601</b>	<b>122,473,853</b>	<b>105,883,716</b>	<b>196,972,400</b>

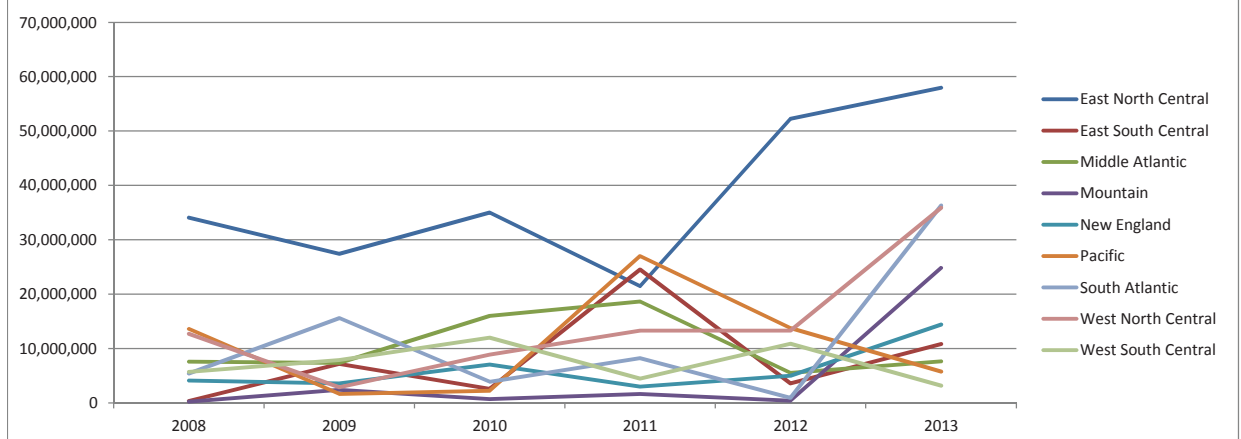
#### Boring Heads - Plant Size



### Boring Heads

Region	2008	2009	2010	2011	2012	2013
East North Central	34,108,045	27,442,406	35,031,368	21,500,666	52,251,055	57,945,676
East South Central	378,986	7,174,852	2,608,355	24,571,747	3,585,425	10,839,728
Middle Atlantic	7,610,465	7,363,341	16,008,574	18,676,864	5,567,926	7,686,967
Mountain	235,860	2,446,719	698,366	1,652,110	455,958	24,870,186
New England	4,112,830	3,631,587	7,056,596	3,007,253	5,021,833	14,447,872
Pacific	13,580,726	1,694,476	2,233,057	27,020,025	13,809,501	5,756,816
South Atlantic	5,412,545	15,625,694	3,916,819	8,239,295	964,251	36,308,325
West North Central	12,744,034	2,886,113	8,906,223	13,320,663	13,314,208	35,918,886
West South Central	5,727,603	7,890,072	11,994,242	4,485,230	10,913,558	3,197,943
<b>All</b>	<b>83,911,095</b>	<b>76,155,260</b>	<b>88,453,601</b>	<b>122,473,853</b>	<b>105,883,716</b>	<b>196,972,400</b>

#### Boring Heads - Region



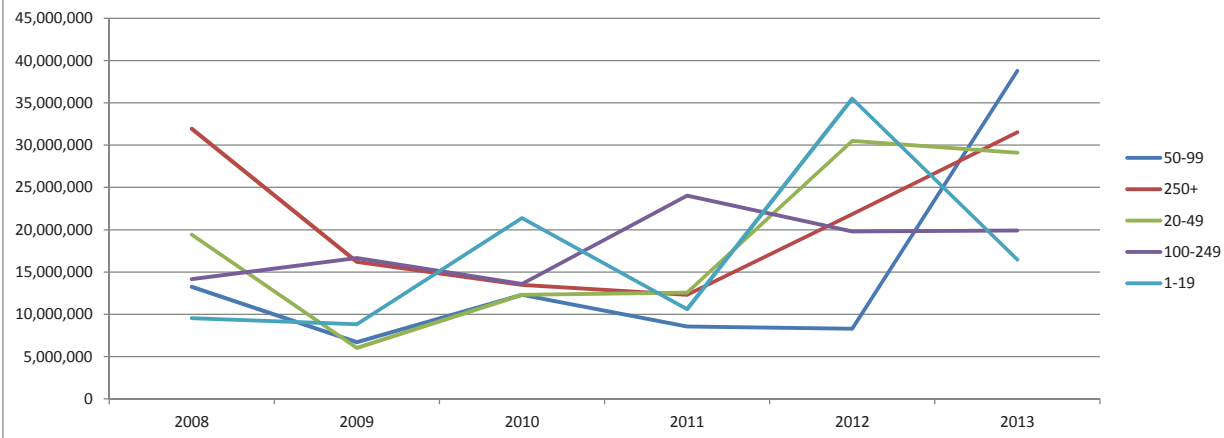
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Saw Blades

Plant Size	2008	2009	2010	2011	2012	2013
50-99	13,234,586	6,688,581	12,314,310	8,540,935	8,285,921	38,792,641
250+	31,921,725	16,211,793	13,491,568	12,297,037	21,827,177	31,527,355
20-49	19,429,219	6,025,304	12,288,036	12,585,016	30,507,980	29,106,283
100-249	14,143,530	16,671,876	13,584,368	24,018,948	19,810,982	19,910,099
1-19	9,557,516	8,837,677	21,391,402	10,612,205	35,476,175	16,459,575
<b>All</b>	<b>88,286,576</b>	<b>54,435,231</b>	<b>73,069,683</b>	<b>68,054,141</b>	<b>115,908,235</b>	<b>135,795,953</b>

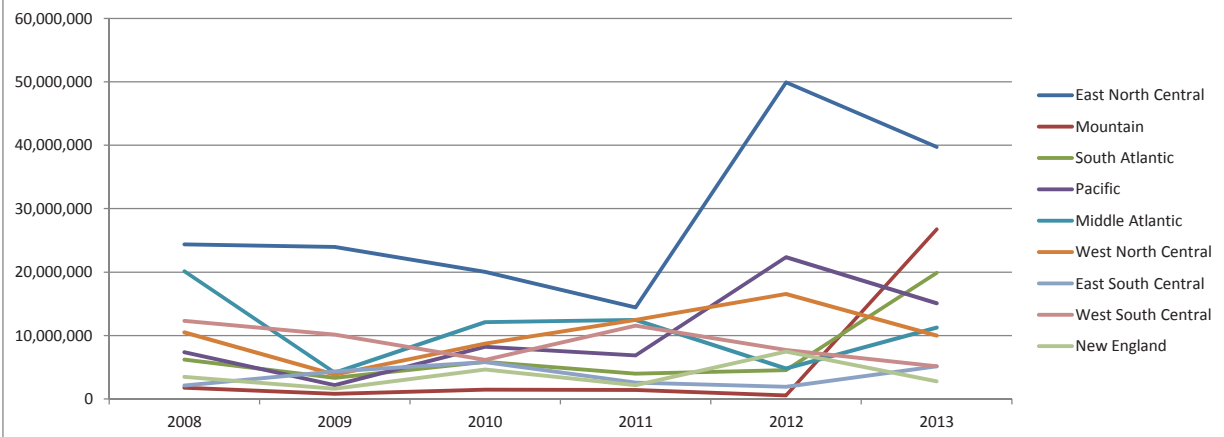
### Saw Blades - Plant Size



### Saw Blades

Region	2008	2009	2010	2011	2012	2013
East North Central	24,373,948	23,952,247	20,013,491	14,420,595	49,882,396	39,700,652
Mountain	1,759,552	832,073	1,494,301	1,446,675	548,286	26,731,087
South Atlantic	6,194,497	3,337,568	5,869,724	4,021,170	4,561,160	19,899,955
Pacific	7,361,135	2,202,000	8,227,556	6,891,076	22,372,935	15,092,549
Middle Atlantic	20,139,217	4,173,695	12,096,048	12,490,076	4,826,732	11,268,725
West North Central	10,520,180	3,864,508	8,742,690	12,457,557	16,549,696	10,013,506
East South Central	2,119,588	4,329,150	5,791,487	2,592,704	1,952,314	5,173,587
West South Central	12,298,440	10,130,184	6,191,679	11,563,027	7,731,542	5,143,652
New England	3,520,018	1,613,805	4,642,706	2,171,261	7,483,173	2,772,241
<b>All</b>	<b>88,286,576</b>	<b>54,435,231</b>	<b>73,069,683</b>	<b>68,054,141</b>	<b>115,908,235</b>	<b>135,795,953</b>

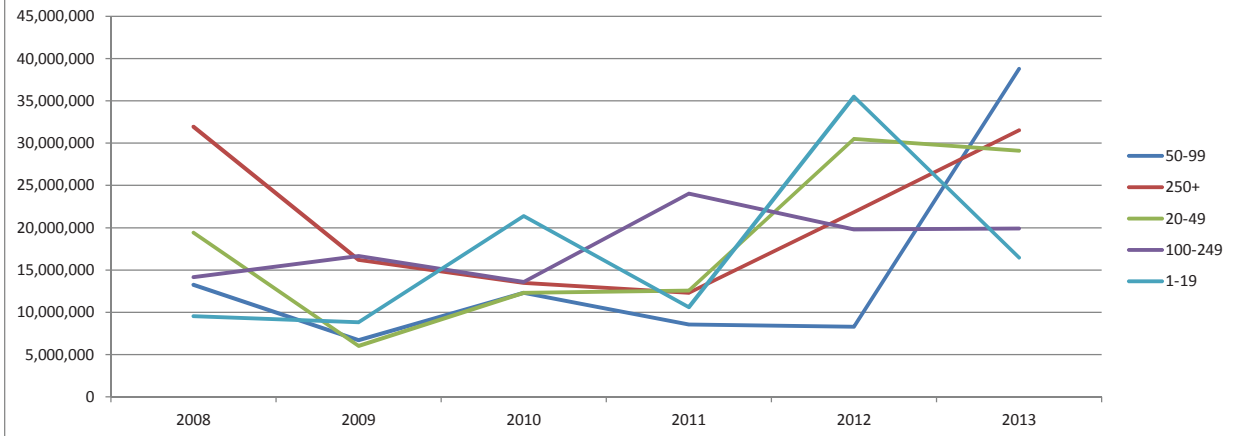
### Saw Blades - Region



## Saw Blades

Plant Size	2008	2009	2010	2011	2012	2013
50-99	13,234,586	6,688,581	12,314,310	8,540,935	8,285,921	38,792,641
250+	31,921,725	16,211,793	13,491,568	12,297,037	21,827,177	31,527,355
20-49	19,429,219	6,025,304	12,288,036	12,585,016	30,507,980	29,106,283
100-249	14,143,530	16,671,876	13,584,368	24,018,948	19,810,982	19,910,099
1-19	9,557,516	8,837,677	21,391,402	10,612,205	35,476,175	16,459,575
<b>All</b>	<b>88,286,576</b>	<b>54,435,231</b>	<b>73,069,683</b>	<b>68,054,141</b>	<b>115,908,235</b>	<b>135,795,953</b>

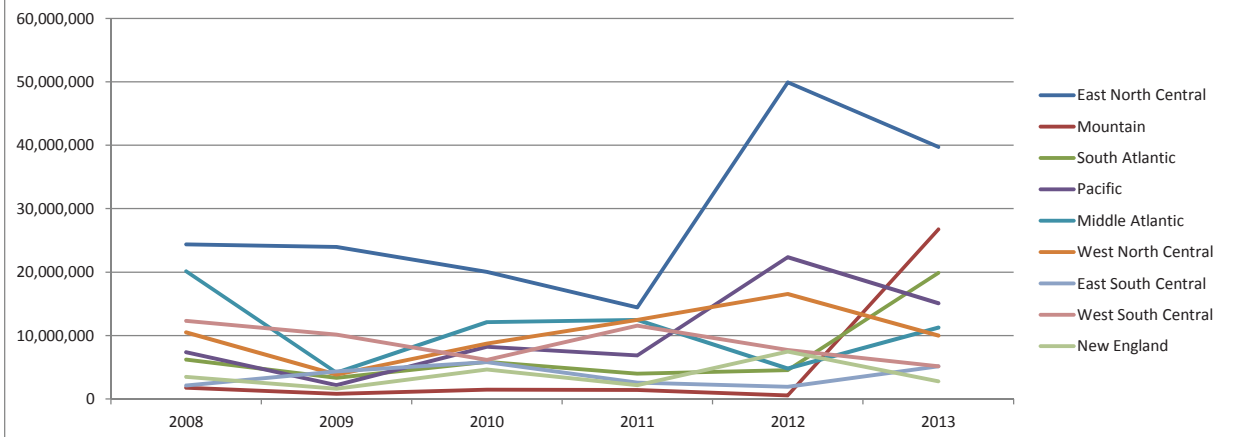
### Saw Blades - Plant Size



## Saw Blades

Region	2008	2009	2010	2011	2012	2013
East North Central	24,373,948	23,952,247	20,013,491	14,420,595	49,882,396	39,700,652
Mountain	1,759,552	832,073	1,494,301	1,446,675	548,286	26,731,087
South Atlantic	6,194,497	3,337,568	5,869,724	4,021,170	4,561,160	19,899,955
Pacific	7,361,135	2,202,000	8,227,556	6,891,076	22,372,935	15,092,549
Middle Atlantic	20,139,217	4,173,695	12,096,048	12,490,076	4,826,732	11,268,725
West North Central	10,520,180	3,864,508	8,742,690	12,457,557	16,549,696	10,013,506
East South Central	2,119,588	4,329,150	5,791,487	2,592,704	1,952,314	5,173,587
West South Central	12,298,440	10,130,184	6,191,679	11,563,027	7,731,542	5,143,652
New England	3,520,018	1,613,805	4,642,706	2,171,261	7,483,173	2,772,241
<b>All</b>	<b>88,286,576</b>	<b>54,435,231</b>	<b>73,069,683</b>	<b>68,054,141</b>	<b>115,908,235</b>	<b>135,795,953</b>

### Saw Blades - Region



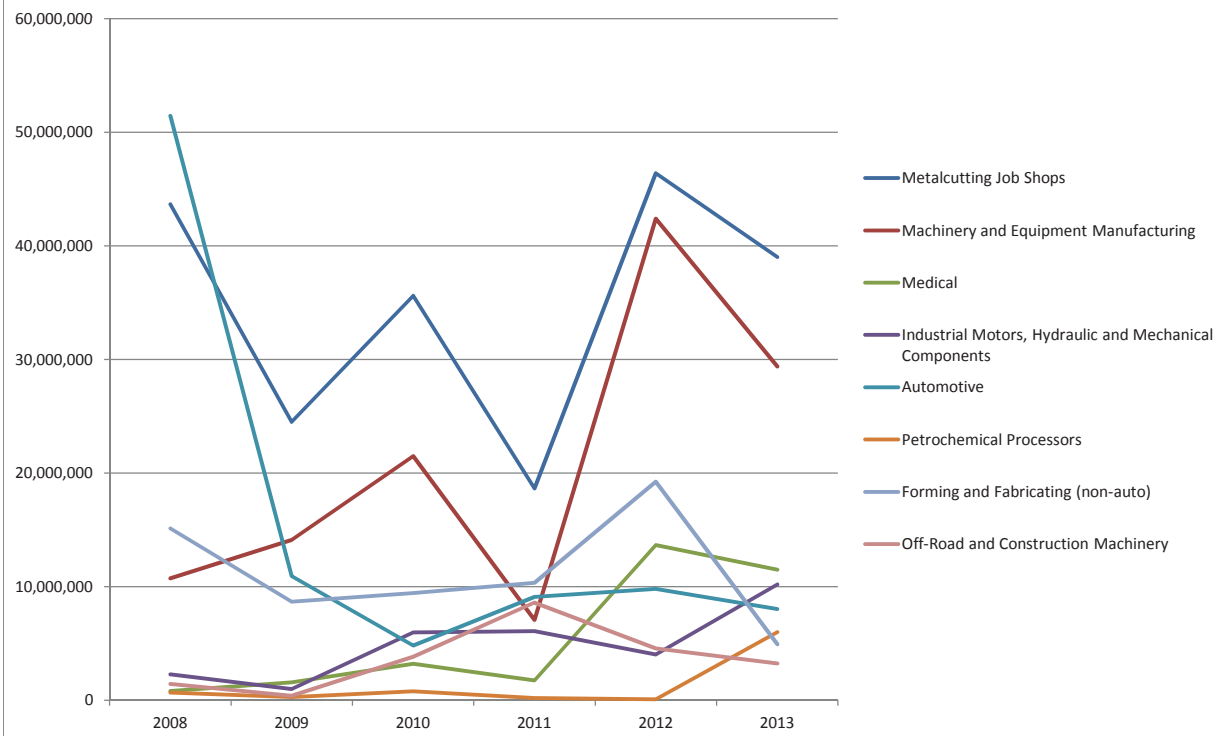
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Taps

Industry	2008	2009	2010	2011	2012	2013
Metalcutting Job Shops	43,648,366	24,515,249	35,608,590	18,645,825	46,385,465	39,020,086
Machinery and Equipment Manufacturing	10,745,203	14,110,492	21,496,086	7,073,049	42,384,233	29,392,512
Medical	819,946	1,590,797	3,220,262	1,758,292	13,667,912	11,506,751
Industrial Motors, Hydraulic and Mechanical Components	2,299,911	993,023	5,981,126	6,077,360	4,032,704	10,206,335
Automotive	51,417,122	10,922,961	4,821,395	9,101,510	9,806,186	8,027,895
Petrochemical Processors	696,451	284,007	796,953	201,334	92,606	5,994,803
Forming and Fabricating (non-auto)	15,143,218	8,676,992	9,449,593	10,343,190	19,247,596	4,950,249
Off-Road and Construction Machinery	1,438,622	409,803	3,849,330	8,598,013	4,584,047	3,242,565
Pumps, Valves and Plumbing Products	8,041,352	13,433,159	5,515,636	19,907,022	14,161,756	2,912,085
HVAC	2,802,797	2,909,645	561,133	56,984	2,461,261	2,585,831
Electronics, Computers, and Telecommunications	10,590,201	5,857,439	15,050,351	12,781,625	7,090,167	2,485,441
Hardware	31,684,084	356,916	903,974	2,332,116	1,936,087	2,444,124
Aerospace	5,036,101	2,553,631	2,516,632	7,135,965	21,141,664	2,422,498
Other Manufacturing	3,332,912	1,339,961	1,426,393	4,107,870	5,232,231	1,908,025
Plastics and Rubber	229,106	225,382	4,786,190	1,588,640	534,188	1,187,058
Military	3,563,198	3,073,520	1,814,847	1,183,835	0	391,953
Power Generation	3,924,014	5,209,922	733,092	911,854	5,020,600	331,946
Primary Metals	3,292,894	2,776,430	3,551,516	772,762	1,731,875	100,788
Non-Manufacturing	8,266,158	313,586	128,760	1,237,968	128,332	47,648
Oil, Gas Field, and Mining Machinery	7,509,846	3,740,602	6,043,783	6,963,160	1,152,253	36,512
Custom Processors	3,331,803	1,721,772	742,810	2,634,560	4,792,545	16,798
Appliances	132,088	5,854	34,133	1,791,196	248,976	0
Wood and Paper Products	0	222,084	0	137,509	7,659	0
Furniture Manufacturing	190,553	0	121,968	3,065,447	0	0
Construction Materials	0	81,805	0	0	0	0
Printing	50,773	67,725	0	0	0	0
Ship Building	6,993	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>218,193,713</b>	<b>105,392,758</b>	<b>129,154,555</b>	<b>128,407,086</b>	<b>205,840,344</b>	<b>129,211,904</b>

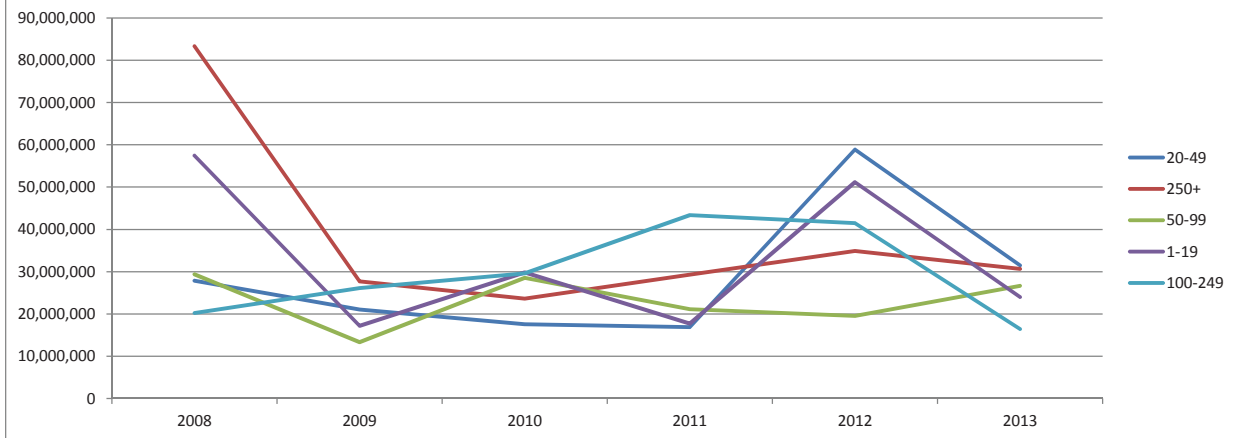
### Taps - Industry



## Taps

Plant Size	2008	2009	2010	2011	2012	2013
20-49	27,833,880	21,017,454	17,570,185	16,862,429	58,848,148	31,487,008
250+	83,307,746	27,717,295	23,615,854	29,313,961	34,878,101	30,663,628
50-99	29,408,151	13,354,256	28,554,308	21,158,225	19,505,776	26,634,294
1-19	57,400,570	17,168,163	29,790,875	17,692,106	51,168,646	23,973,903
100-249	20,243,367	26,135,592	29,623,333	43,380,365	41,439,673	16,453,072
<b>All</b>	<b>218,193,713</b>	<b>105,392,758</b>	<b>129,154,555</b>	<b>128,407,086</b>	<b>205,840,344</b>	<b>129,211,904</b>

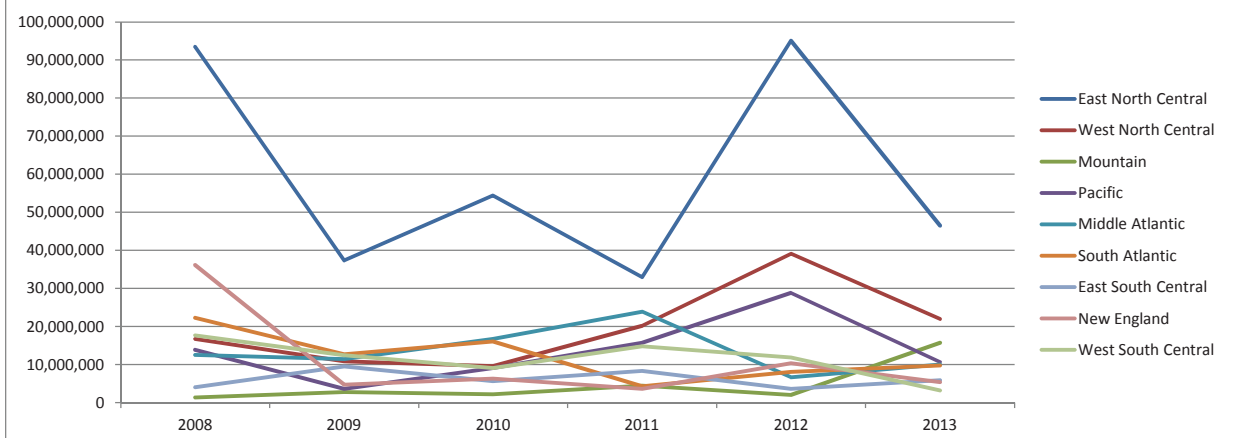
### Taps - Plant Size



## Taps

Region	2008	2009	2010	2011	2012	2013
East North Central	93,461,954	37,334,286	54,381,278	32,975,027	95,070,532	46,481,474
West North Central	16,788,977	10,841,304	9,631,957	20,193,999	39,134,507	21,941,127
Mountain	1,355,941	2,832,362	2,211,071	4,497,911	2,067,658	15,708,335
Pacific	13,935,008	3,613,413	9,062,301	15,751,139	28,874,322	10,731,586
Middle Atlantic	12,529,365	11,443,331	16,717,996	23,916,347	6,698,706	10,019,960
South Atlantic	22,276,575	12,701,743	16,050,661	4,327,001	8,062,153	9,782,910
East South Central	4,055,697	9,499,896	5,663,193	8,331,443	3,653,678	5,892,232
New England	36,143,787	4,702,502	6,370,841	3,611,936	10,390,617	5,419,817
West South Central	17,646,409	12,423,921	9,065,256	14,802,284	11,888,171	3,234,464
<b>All</b>	<b>218,193,713</b>	<b>105,392,758</b>	<b>129,154,555</b>	<b>128,407,086</b>	<b>205,840,344</b>	<b>129,211,904</b>

### Taps - Region



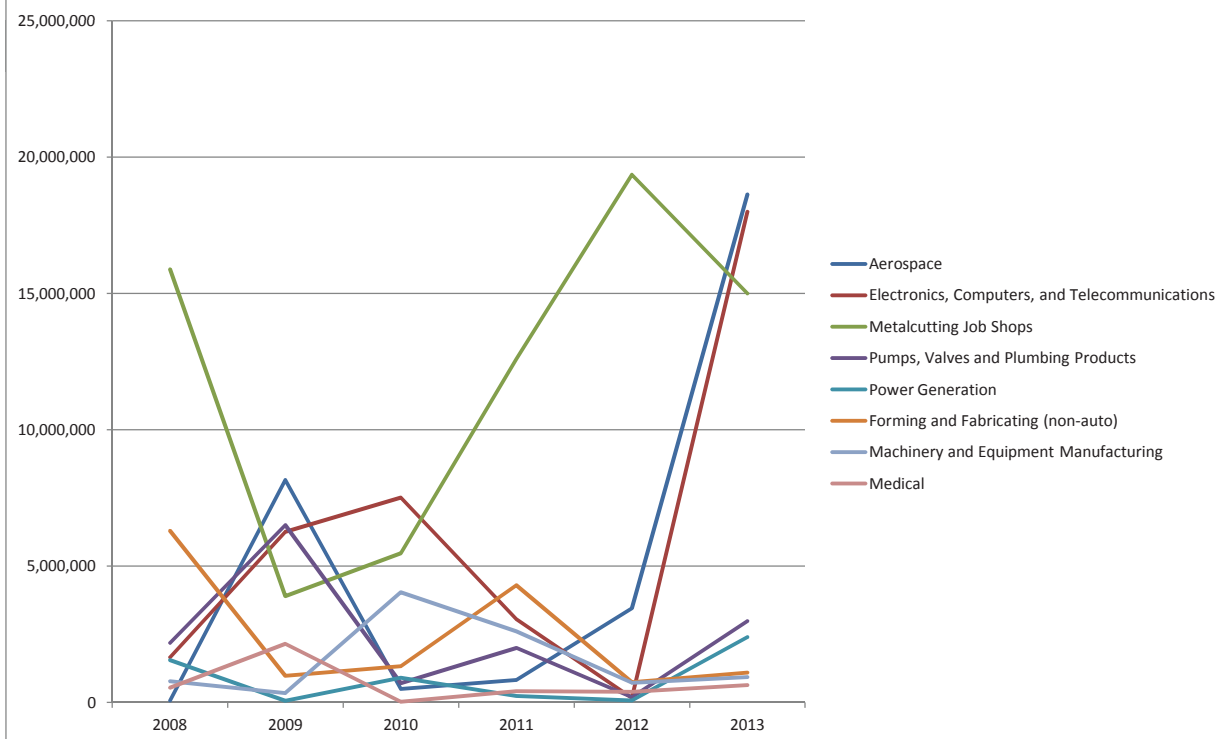
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Other Cutting Tools

Industry	2008	2009	2010	2011	2012	2013
Aerospace	74,518	8,160,195	497,779	822,780	3,455,287	18,622,400
Electronics, Computers, and Telecommunications	1,662,154	6,262,776	7,510,856	3,059,145	163,977	17,989,062
Metalcutting Job Shops	15,877,836	3,901,300	5,469,397	12,598,548	19,356,919	15,002,794
Pumps, Valves and Plumbing Products	2,183,018	6,505,486	710,864	1,994,455	191,472	2,986,573
Power Generation	1,553,974	65,952	901,906	243,430	76,589	2,398,190
Forming and Fabricating (non-auto)	6,287,755	972,322	1,325,445	4,296,558	743,670	1,099,004
Machinery and Equipment Manufacturing	777,016	344,729	4,038,559	2,605,400	714,829	936,047
Medical	538,081	2,147,106	21,460	419,812	392,749	637,547
Automotive	974,937	144,173	1,197,555	97,993	2,530,946	323,001
Hardware	0	0	14,222	0	0	226,328
Oil, Gas Field, and Mining Machinery	0	4,215,113	965,828	0	0	220,913
Industrial Motors, Hydraulic and Mechanical Components	919,947	619,487	1,202,500	708,540	0	2,240
Non-Manufacturing	7,770	149,976	0	0	1,129,159	0
Other Manufacturing	0	918,903	64,380	100,390	800,353	0
Custom Processors	528,875	241,621	14,222	1,216,315	276,293	0
Off-Road and Construction Machinery	839,611	0	14,222	1,070,883	19,147	0
Petrochemical Processors	163,167	336,043	441,397	0	14,041	0
Furniture Manufacturing	31,936	0	0	3,930,348	0	0
Appliances	0	0	0	3,265,201	0	0
HVAC	2,211,232	0	4,721,216	227,938	0	0
Military	998,546	0	1,707,546	0	0	0
Plastics and Rubber	105,390	0	53,666	0	0	0
Primary Metals	892,732	79,157	14,222	0	0	0
Wood and Paper Products	0	8,781	0	0	0	0
Ship Building	23,310	0	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
<b>All</b>	<b>36,651,806</b>	<b>35,073,121</b>	<b>30,887,245</b>	<b>36,657,734</b>	<b>29,865,432</b>	<b>60,444,098</b>

### Other Cutting Tools - Industry

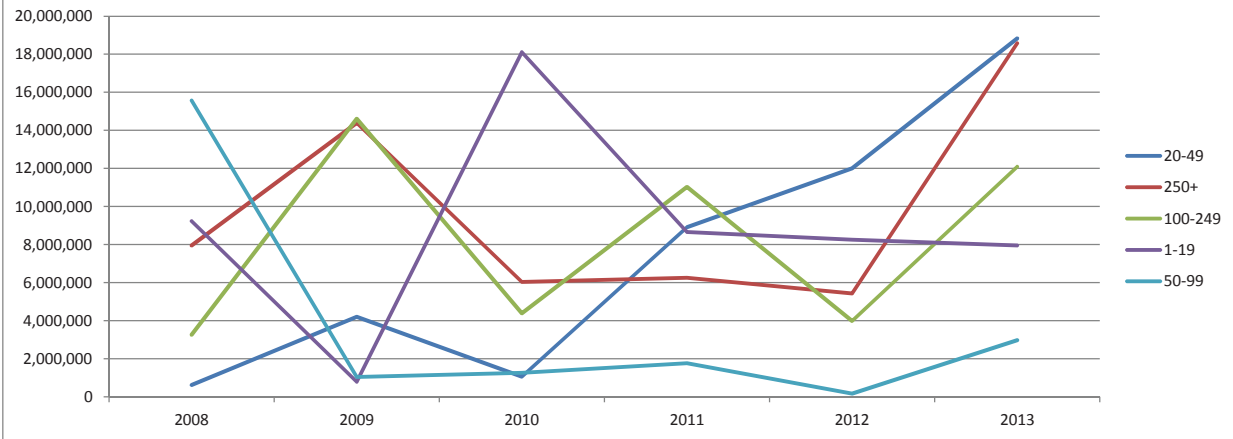




### Other Cutting Tools

Plant Size	2008	2009	2010	2011	2012	2013
20-49	626,203	4,210,263	1,072,359	8,913,998	12,010,407	18,823,940
250+	7,963,338	14,399,880	6,044,714	6,262,809	5,440,394	18,581,838
100-249	3,263,892	14,619,606	4,398,804	11,035,985	3,989,003	12,096,793
1-19	9,232,592	790,783	18,103,719	8,670,202	8,254,332	7,953,996
50-99	15,565,782	1,052,590	1,267,650	1,774,740	171,295	2,987,531
<b>All</b>	<b>36,651,806</b>	<b>35,073,121</b>	<b>30,887,245</b>	<b>36,657,734</b>	<b>29,865,432</b>	<b>60,444,098</b>

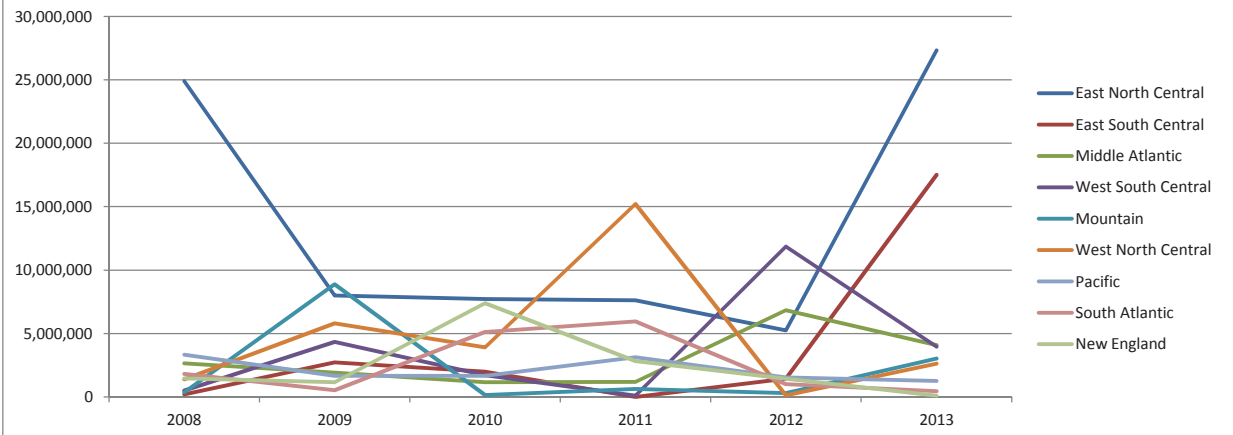
#### Other Cutting Tools - Plant Size



### Other Cutting Tools

Region	2008	2009	2010	2011	2012	2013
East North Central	24,902,827	8,010,175	7,719,723	7,624,037	5,257,390	27,317,803
East South Central	197,852	2,737,518	2,009,824	0	1,436,311	17,512,195
Middle Atlantic	2,667,698	1,916,906	1,157,631	1,182,669	6,833,927	4,091,680
West South Central	508,948	4,342,428	1,721,769	97,056	11,868,109	3,977,686
Mountain	363,099	8,871,000	150,221	637,140	321,031	3,042,959
West North Central	1,385,248	5,796,366	3,921,696	15,200,523	128,408	2,642,174
Pacific	3,327,687	1,684,425	1,681,224	3,128,471	1,539,822	1,275,659
South Atlantic	1,826,353	542,757	5,119,540	5,965,462	1,025,853	469,716
New England	1,472,095	1,171,546	7,405,618	2,822,376	1,454,580	114,226
<b>All</b>	<b>36,651,806</b>	<b>35,073,121</b>	<b>30,887,245</b>	<b>36,657,734</b>	<b>29,865,432</b>	<b>60,444,098</b>

#### Other Cutting Tools - Region



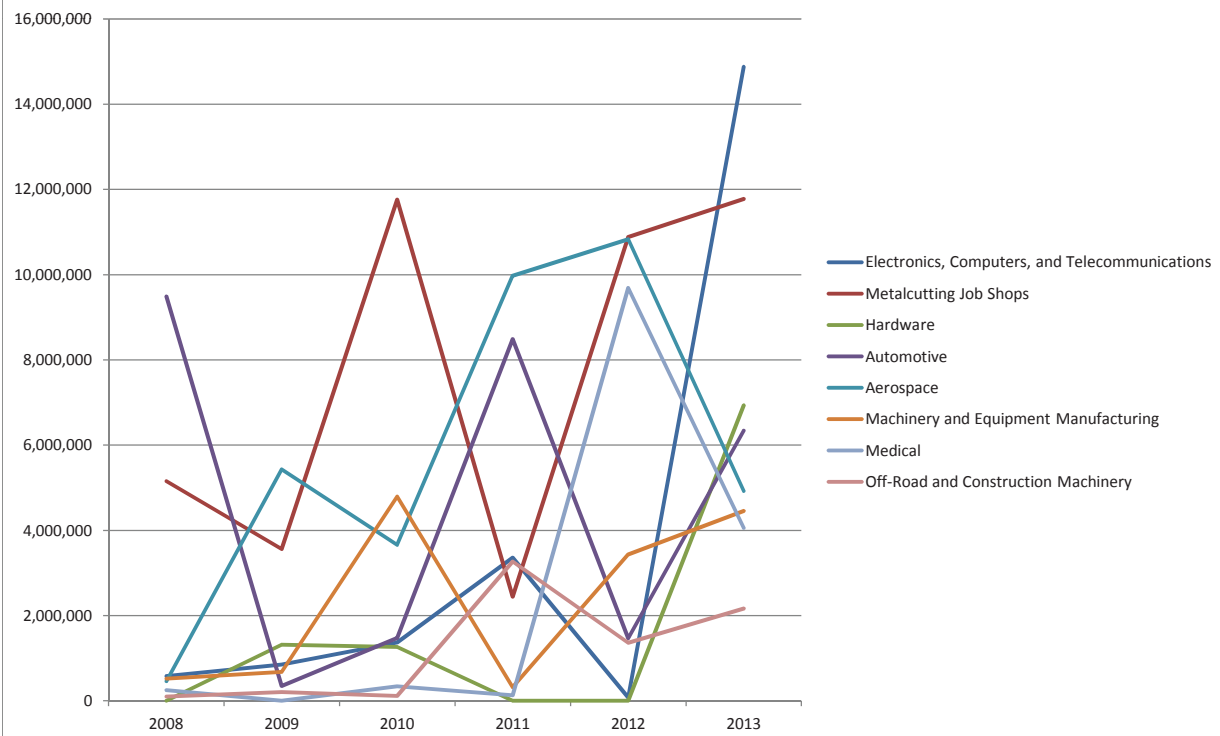
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Broaches

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	577,618	851,727	1,368,968	3,355,855	73,850	14,879,954
Metalcutting Job Shops	5,157,098	3,560,363	11,761,478	2,443,876	10,885,203	11,775,482
Hardware	0	1,317,223	1,264,560	0	0	6,930,612
Automotive	9,490,443	344,914	1,471,094	8,486,273	1,466,403	6,342,242
Aerospace	458,114	5,431,337	3,661,062	9,972,276	10,828,222	4,922,197
Machinery and Equipment Manufacturing	521,576	677,594	4,791,690	314,630	3,431,811	4,453,409
Medical	253,501	0	341,509	131,280	9,686,170	4,057,626
Off-Road and Construction Machinery	102,634	204,901	116,658	3,269,258	1,363,384	2,165,816
Forming and Fabricating (non-auto)	83,035	445,960	60,892	28,492	4,711,539	1,957,051
Industrial Motors, Hydraulic and Mechanical Components	727,375	783,441	1,511,040	2,623,831	223,384	1,079,526
Military	1,113,009	0	0	0	0	783,906
Oil, Gas Field, and Mining Machinery	0	0	33,175	15,291	0	259,898
Pumps, Valves and Plumbing Products	1,384,598	1,221,055	487,870	5,022,385	2,587,161	174,215
Power Generation	13,209	0	228,176	7,722	0	61,783
HVAC	438,527	0	399,395	56,984	20,336	59,463
Plastics and Rubber	118,164	58,193	0	0	0	22,397
Other Manufacturing	97,123	68,949	0	0	75,277	0
Petrochemical Processors	0	161,621	0	62,683	28,083	0
Appliances	0	0	0	1,632,600	0	0
Non-Manufacturing	0	0	0	535,198	0	0
Custom Processors	286,194	5,454	29,272	5,097	0	0
Primary Metals	0	46,434	243,935	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>20,822,218</b>	<b>15,179,165</b>	<b>27,770,775</b>	<b>37,963,732</b>	<b>45,380,823</b>	<b>59,925,579</b>

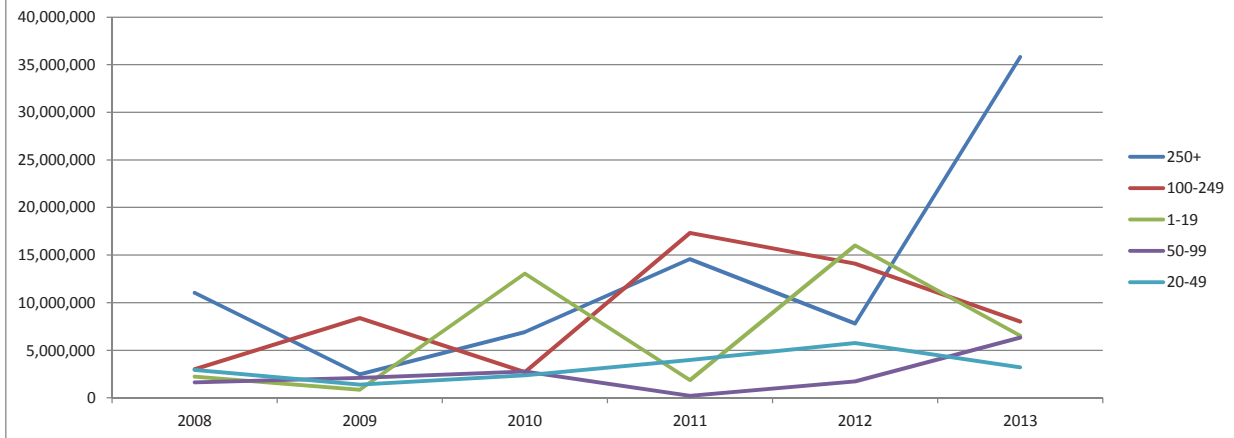
### Broaches - Industry



## Broaches

Plant Size	2008	2009	2010	2011	2012	2013
250+	11,038,651	2,461,743	6,898,487	14,579,757	7,810,552	35,830,399
100-249	2,991,368	8,395,295	2,697,992	17,319,469	14,094,901	8,001,443
1-19	2,238,805	867,134	13,039,141	1,865,546	16,005,602	6,539,064
50-99	1,615,317	2,077,910	2,782,792	210,750	1,726,898	6,346,241
20-49	2,938,077	1,377,083	2,352,362	3,988,209	5,742,870	3,208,432
<b>All</b>	<b>20,822,218</b>	<b>15,179,165</b>	<b>27,770,775</b>	<b>37,963,732</b>	<b>45,380,823</b>	<b>59,925,579</b>

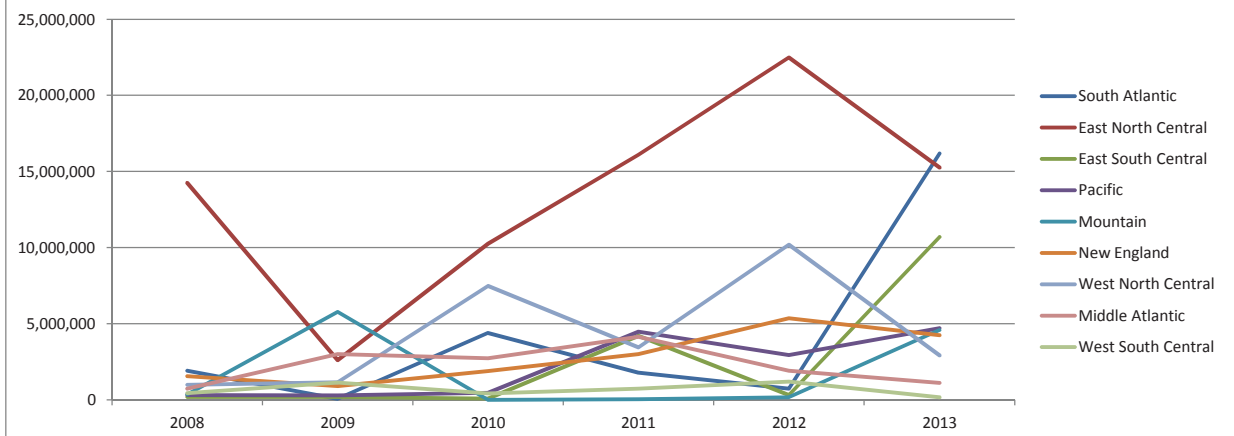
### Broaches - Plant Size



## Broaches

Region	2008	2009	2010	2011	2012	2013
South Atlantic	1,926,539	62,764	4,401,479	1,802,418	747,152	16,194,332
East North Central	14,249,856	2,616,863	10,257,257	16,095,431	22,498,125	15,261,884
East South Central	205,919	190,879	99,556	4,209,960	322,103	10,700,327
Pacific	314,893	293,106	470,053	4,471,792	2,948,495	4,708,551
Mountain	374,070	5,792,005	0	40,777	179,665	4,587,205
New England	1,570,888	919,225	1,887,301	3,014,319	5,356,916	4,249,212
West North Central	992,464	1,162,516	7,492,353	3,453,293	10,206,599	2,920,621
Middle Atlantic	735,905	3,004,615	2,743,054	4,136,660	1,923,338	1,121,517
West South Central	451,683	1,137,193	419,723	739,083	1,198,429	181,929
<b>All</b>	<b>20,822,218</b>	<b>15,179,165</b>	<b>27,770,775</b>	<b>37,963,732</b>	<b>45,380,823</b>	<b>59,925,579</b>

### Broaches - Region



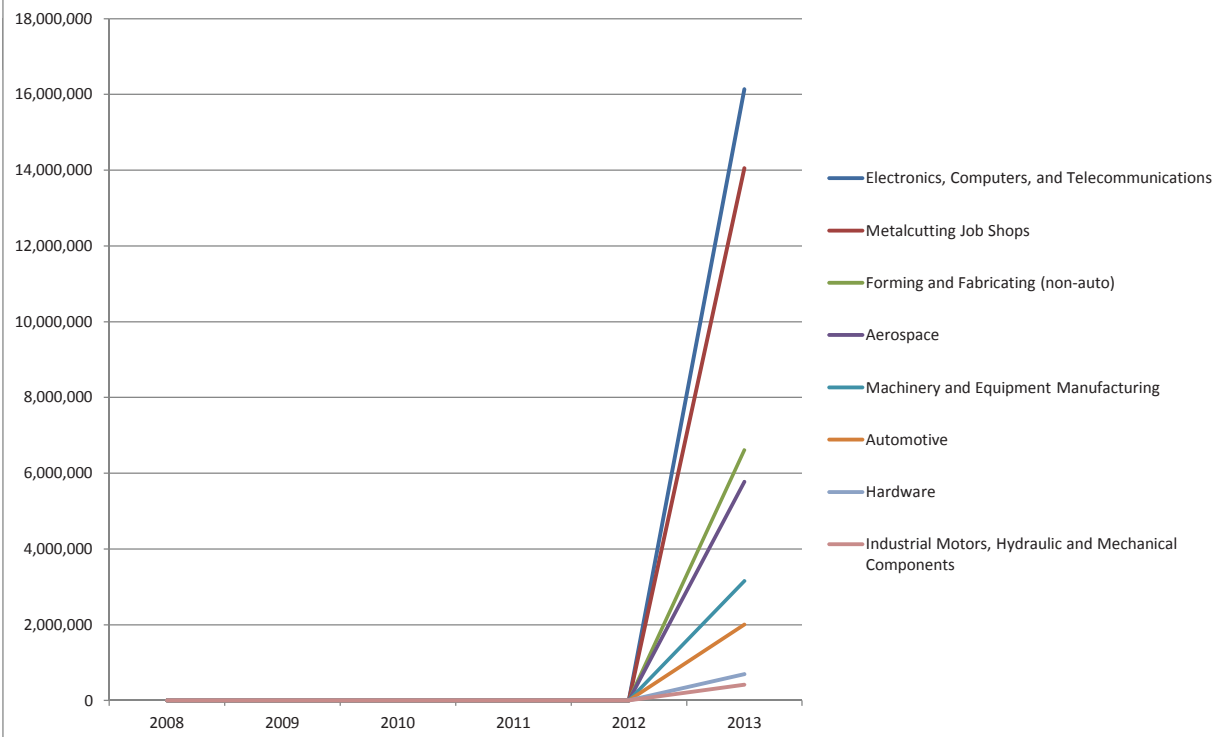
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Tool Presetters

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	0	0	0	0	0	16,137,001
Metalcutting Job Shops	0	0	0	0	0	14,051,107
Forming and Fabricating (non-auto)	0	0	0	0	0	6,613,035
Aerospace	0	0	0	0	0	5,772,118
Machinery and Equipment Manufacturing	0	0	0	0	0	3,154,116
Automotive	0	0	0	0	0	2,006,032
Hardware	0	0	0	0	0	693,061
Industrial Motors, Hydraulic and Mechanical Components	0	0	0	0	0	412,558
Medical	0	0	0	0	0	264,230
Military	0	0	0	0	0	156,781
Oil, Gas Field, and Mining Machinery	0	0	0	0	0	129,949
Pumps, Valves and Plumbing Products	0	0	0	0	0	127,517
Plastics and Rubber	0	0	0	0	0	5,599
Appliances	0	0	0	0	0	0
Construction Materials	0	0	0	0	0	0
Custom Processors	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
HVAC	0	0	0	0	0	0
Non-Manufacturing	0	0	0	0	0	0
Off-Road and Construction Machinery	0	0	0	0	0	0
Other Manufacturing	0	0	0	0	0	0
Petrochemical Processors	0	0	0	0	0	0
Power Generation	0	0	0	0	0	0
Primary Metals	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49,523,103</b>

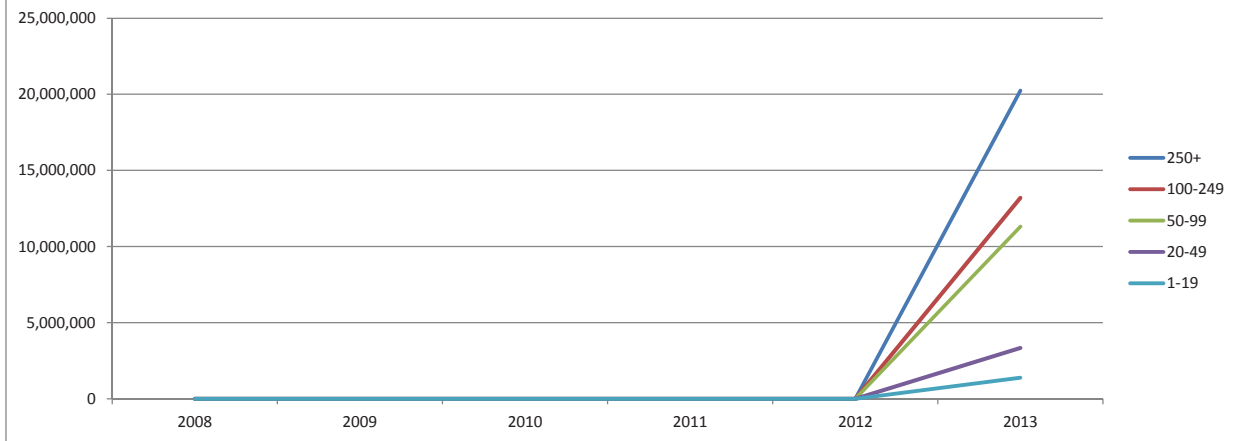
### Tool Presetters - Industry



## Tool Presetters

Plant Size	2008	2009	2010	2011	2012	2013
250+	0	0	0	0	0	20,244,318
100-249	0	0	0	0	0	13,209,940
50-99	0	0	0	0	0	11,316,406
20-49	0	0	0	0	0	3,353,494
1-19	0	0	0	0	0	1,398,944
<b>All</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49,523,103</b>

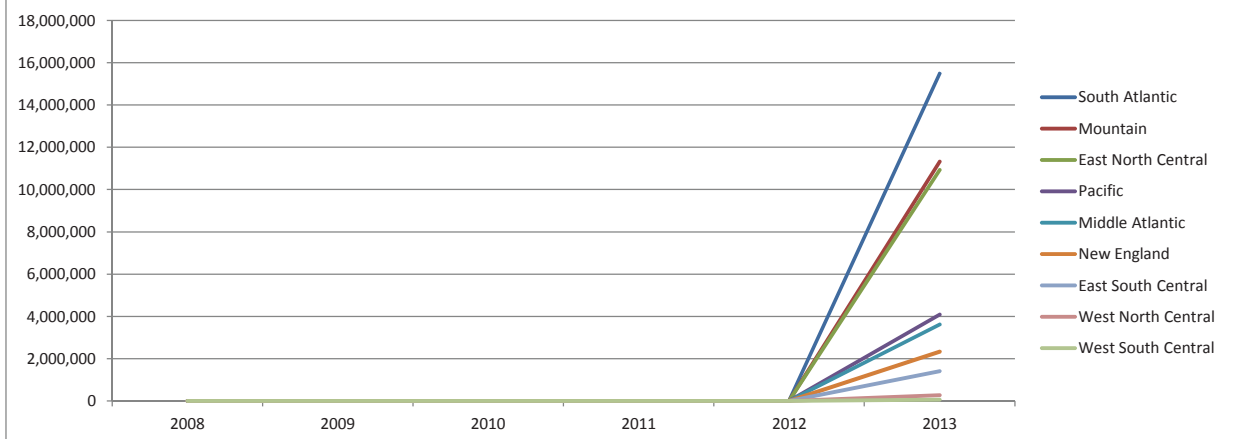
### Tool Presetters - Plant Size



## Tool Presetters

Region	2008	2009	2010	2011	2012	2013
South Atlantic	0	0	0	0	0	15,476,487
Mountain	0	0	0	0	0	11,316,406
East North Central	0	0	0	0	0	10,931,873
Pacific	0	0	0	0	0	4,089,415
Middle Atlantic	0	0	0	0	0	3,622,553
New England	0	0	0	0	0	2,340,165
East South Central	0	0	0	0	0	1,408,975
West North Central	0	0	0	0	0	276,586
West South Central	0	0	0	0	0	60,643
<b>All</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49,523,103</b>

### Tool Presetters - Region



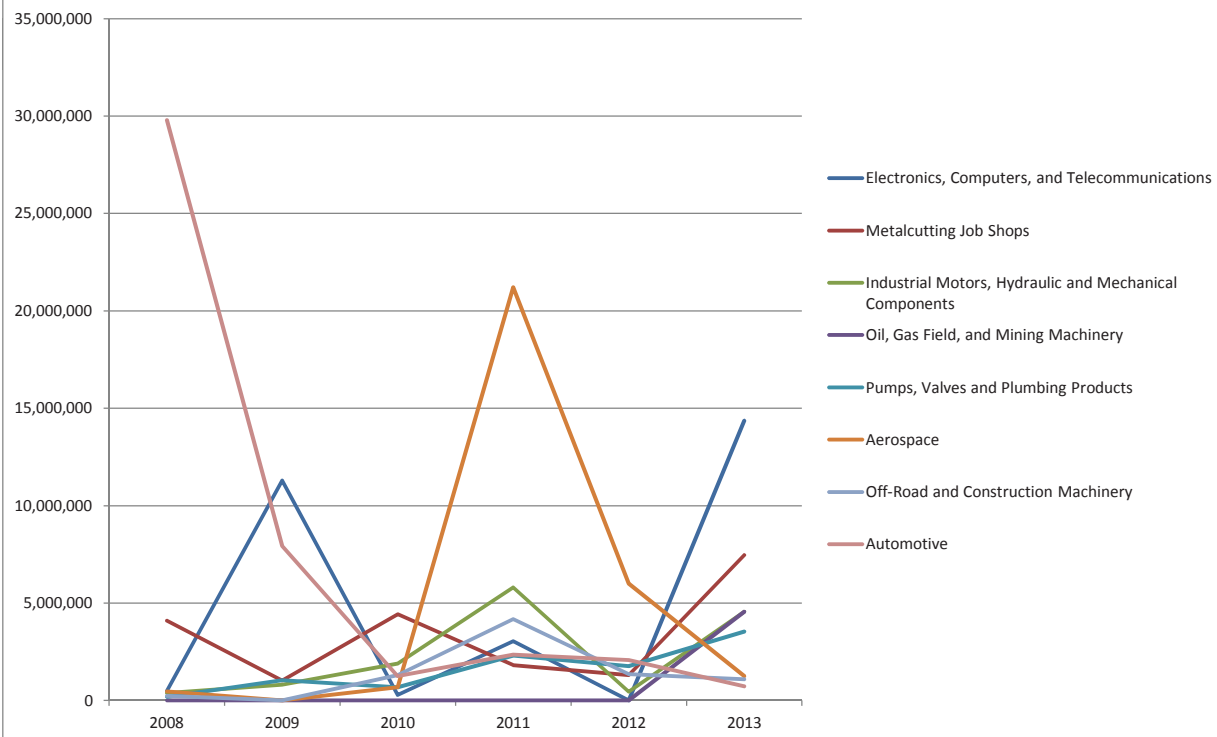
# 2013

## CAPITAL SPENDING Tooling Equipment Report

### Gear Cutters

Industry	2008	2009	2010	2011	2012	2013
Electronics, Computers, and Telecommunications	495,500	11,291,449	282,738	3,038,833	2,553	14,363,694
Metalcutting Job Shops	4,093,012	1,020,059	4,426,848	1,817,511	1,298,723	7,465,117
Industrial Motors, Hydraulic and Mechanical Components	389,045	814,700	1,888,958	5,806,556	446,768	4,548,214
Oil, Gas Field, and Mining Machinery	0	0	0	0	0	4,548,214
Pumps, Valves and Plumbing Products	180,972	1,044,644	683,019	2,311,993	1,770,652	3,531,230
Aerospace	458,114	0	671,233	21,209,976	5,996,834	1,246,609
Off-Road and Construction Machinery	239,522	0	1,301,827	4,180,011	1,344,237	1,082,908
Automotive	29,794,461	7,936,224	1,246,677	2,355,357	2,080,811	731,965
Machinery and Equipment Manufacturing	325,923	1,006,595	3,486,811	23,167	926,718	651,331
Forming and Fabricating (non-auto)	0	694,463	171,032	0	4,091,121	151,607
HVAC	0	0	399,395	0	0	16,798
Plastics and Rubber	0	0	0	305,827	0	5,599
Medical	133,068	0	0	0	1,822,318	0
Non-Manufacturing	0	0	0	2,675,988	0	0
Appliances	0	0	0	1,632,600	0	0
Hardware	5,323	0	0	466,457	0	0
Petrochemical Processors	0	206,856	0	20,894	0	0
Power Generation	711,357	0	0	15,445	0	0
Primary Metals	0	182,825	0	0	0	0
Military	47,550	0	0	0	0	0
Other Manufacturing	39,626	0	0	0	0	0
Custom Processors	13,209	0	0	0	0	0
Construction Materials	0	0	0	0	0	0
Food and Beverage Processing	0	0	0	0	0	0
Furniture Manufacturing	0	0	0	0	0	0
Printing	0	0	0	0	0	0
Ship Building	0	0	0	0	0	0
Textiles, Clothing, and Leather Goods	0	0	0	0	0	0
Wood and Paper Products	0	0	0	0	0	0
<b>All</b>	<b>36,926,682</b>	<b>24,197,815</b>	<b>14,558,538</b>	<b>45,860,616</b>	<b>19,780,733</b>	<b>38,343,287</b>

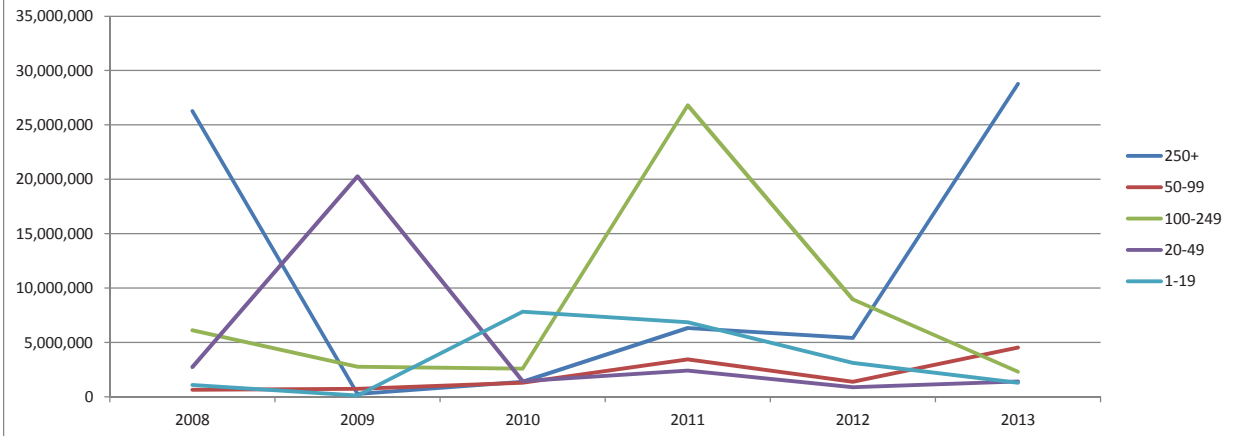
### Gear Cutters - Industry



### Gear Cutters

Plant Size	2008	2009	2010	2011	2012	2013
250+	26,288,571	261,688	1,389,455	6,324,588	5,419,962	28,779,367
50-99	652,653	738,449	1,293,807	3,460,742	1,394,266	4,526,563
100-249	6,137,096	2,781,620	2,588,833	26,794,081	8,950,683	2,301,325
20-49	2,758,678	20,276,989	1,453,515	2,425,578	894,781	1,425,022
1-19	1,089,684	139,069	7,832,927	6,855,627	3,121,041	1,311,010
<b>All</b>	<b>36,926,682</b>	<b>24,197,815</b>	<b>14,558,538</b>	<b>45,860,616</b>	<b>19,780,733</b>	<b>38,343,287</b>

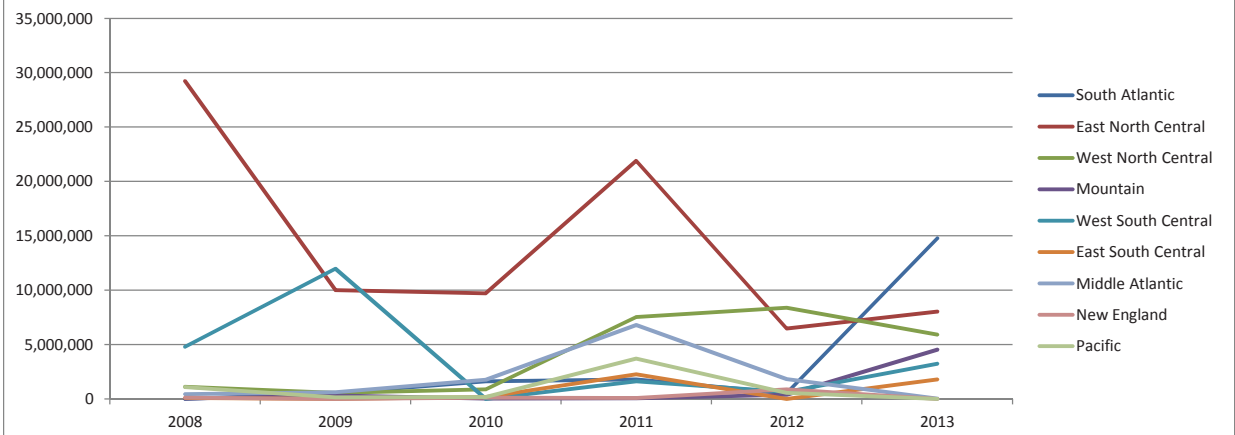
#### Gear Cutters - Plant Size



### Gear Cutters

Region	2008	2009	2010	2011	2012	2013
South Atlantic	0	545,315	1,634,208	1,802,418	523,768	14,781,463
East North Central	29,210,577	10,016,821	9,726,635	21,881,698	6,478,436	8,040,554
West North Central	1,116,190	554,197	882,130	7,551,874	8,406,351	5,914,259
Mountain	23,775	328,931	25,600	56,068	402,053	4,526,563
West South Central	4,803,656	11,972,053	14,222	1,635,379	657,061	3,248,724
East South Central	96,815	0	188,849	2,279,377	0	1,806,124
Middle Atlantic	458,114	628,973	1,777,868	6,815,733	1,846,375	25,599
New England	133,068	0	115,884	108,113	893,537	0
Pacific	1,084,487	151,525	193,141	3,729,956	573,154	0
<b>All</b>	<b>36,926,682</b>	<b>24,197,815</b>	<b>14,558,538</b>	<b>45,860,616</b>	<b>19,780,733</b>	<b>38,343,287</b>

#### Gear Cutters - Region



## 2013 CAPITAL SPENDING

# Industry Trend Report



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