

16-21 Not Applicable.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

Line No.	Products and services	Census product code	Value of receipts		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
1	Cutting tool and machine tool accessories Small cutting tools for machine tools and metalworking machinery Broaches (excluding holders and burnishing bars) (Report holders on line 43.)	333515 1102 8			
2	Reamers (all types, except gun reamers), including blades sold separately (Report gun reamers on line 13.) Carbon steel and high-speed steel	333515 1124 2			
3	Solid and tipped carbide	333515 1126 7			
4	Hobs (all types)	333515 1128 3			
5	Gear shaper and shaving cutters	333515 1132 5			
6	Single and double point cutting tools	333515 1148 1			
7	Circular form cutting tools (including semifinished blanks)	333515 1152 3			
8	Other solid and tipped carbide cutting tools for machine tools, nec (except tips and blanks sold separately) (including rotary burrs, rotary files, and spade drills) (Report tips and blanks sold separately on lines 25-32.)	333515 1188 7			
9	Carbon steel and high-speed steel shank twist drills (excluding combined drills, countersinks, and gun drills) (Report combined drills on line 14, countersinks on line 15, and gun drills on line 13.) Taper shank	333515 1204 2			
10	Straight shank	333515 1206 7			
11	Solid and tipped carbide twist drills (excluding combined drills, countersinks, gun drills, tips and blanks sold separately, and masonry drills) (Report combined drills on line 14, countersinks on line 15, gun drills on line 13, and tips and blanks sold separately on lines 25-32.)	333515 1312 3			
12	Masonry twist drill bits (excluding combined drills, countersinks, and gun drills) (Report combined drills on line 14, countersinks on line 15, and gun drills on line 13.)	333515 1308 1			
13	Gun drills and gun reamers	333515 1314 9			
14	Combination drills and countersinks	333515 1316 4			
15	Countersinks, including port cutters, etc. (except combined drills-countersinks and pilots for interchangeable pilots)	333515 1318 0			
16	Counterbores, including spot facers, etc. (excluding pilots for interchangeable pilot types)	333515 1322 2			
17	End mills High-speed steel (excluding inserted blade types and shell mills)	333515 1434 5			
18	Solid and tipped carbide end mills (excluding inserted blade types, shell mills, and blades sold separately)	333515 1436 0			

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Value of receipts		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Cutting tool and machine tool accessories - Continued				
	Small cutting tools for machine tools and metalworking machinery - Continued				
	Milling cutters				
19	Nonindexible inserted blade type (all types, complete) . . . . .	333515 1438 6			
20	Indexible or throwaway insert types (all types, complete) . . . . .	333515 1442 8			
21	High-speed steel, nec . . . . .	333515 1444 4			
22	Solid and tipped carbide, nec (excluding tips and blanks sold separately) . . . . .	333515 1446 9			
	Threading tools				
23	Dies, with two or more thread-forming edges integral with the body . . . . .	333515 1554 0			
24	Chasers, single edge thread-cutting, circular blade and tangent types for mount in-on holders, die heads, and tap bodies . . . . .	333515 1558 1			
25	Molded blanks and tips (excluding pressed-to-size inserts) . . . . .	333515 1562 3			
	Inserts, other than indexible and throwaway types				
26	Carbide . . . . .	333515 1568 0			
27	Ceramic . . . . .	333515 1586 2			
	Inserts, indexible and throwaway types				
28	Precision ground carbide . . . . .	333515 1766 0			
29	Other carbide . . . . .	333515 1564 9			
30	Ceramic . . . . .	333515 1582 1			
31	Other than carbide or ceramic . . . . .	333515 1584 7			
32	Inserts, other than carbide and ceramic, other than indexible and throwaway . . . . .	333515 1592 0			
33	Thread-rolling dies, including circular, flat, and planetary . . . . .	333515 1572 2			
34	Other threading tools (including screw plates and threading sets) (Specify kind and type of material.) ↴	333515 1574 8			

CONTINUE WITH 22 ON PAGE 6

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued					
Line No.	Products and services	Census product code	Value of receipts		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
	Cutting tool and machine tool accessories - Continued				
	Small cutting tools for machine tools and metalworking machinery - Continued				
	Other cutting tools, nec (including rotary burrs, rotary files, and spade drills)				
35	Carbon steel . . . . .	333515 1576 3			
36	High-speed steel . . . . .	333515 1578 9			
37	Taps (excluding taps in threading sets and screw plates and inserted chaser types) . . . . .	333515 1656 3			
	Other attachments and accessories for machine tools and metalworking machinery				
	Tool holders				
38	For turning tools, mechanical clamping for inserts and bits (except box tools and screw machine tool holders) . . . . .	333515 3101 8			
39	For boring bars and heads . . . . .	333515 3106 7			
40	For drilling, reaming, and tapping chucks . . . . .	333515 3111 7			
41	For special tooling and attachments for screw and automatic machines (box tools, tool holders, turrets, rollers, etc.) . . . . .	333515 3116 6			
42	For die heads and tap bodies for chaser-type threading and thread-rolling heads (excluding hand-type die stocks) . . . . .	333515 3121 6			
43	Other tool holders, including other chucks, drill heads, tool posts, turrets, sleeves, sockets, etc. . . . .	333515 3126 5			
44	Tracer and tapering attachments, safety devices, centers, dogs, work rests, chutes, etc. . . . .	333515 3131 5			
45	Lathe chucks . . . . .	333515 3136 4			
46	Rotary tables, including numerically controlled . . . . .	333515 3146 3			
47	Indexing work holders, excluding rotary tables . . . . .	333515 3152 1			
48	Collets, jaws, and vises . . . . .	333515 3154 7			
49	Other than collets, jaws, or vises, such as mandrels, feeding fingers clamps, stops, etc. . . . .	333515 3166 1			
50	Tool room specialties (including levels, angle plates, parallels, sine bars, V-blocks, flats, etc.) . . . . .	333515 3156 2			
51	Other attachments and accessories (Specify kind.) ↴				
		333515 3176 0			

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**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Value of receipts		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>				
<b>52</b>		18			
<b>53</b>		26			
<b>54</b>		34			
<b>55</b>		42			
<b>56</b>		59			
<b>57</b>		67			
<b>58</b>	Contract work - Receipts for work done for others on their materials ( <i>Specify products worked on and kind of work.</i> ) ↴	000930 0000 8			
<b>59</b>	Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.)	000999 8000 5			
<b>60</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly . . . . .	000999 8900 6			
<b>61</b>	<b>TOTAL</b> ( <i>Should equal 4, line A</i> ) . . . . .	770000 0000 8			

**23-28** Not Applicable.

**29** OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002  
(Mark "X" only ONE box.)

- 0011  In operation
- 0012  Under construction, development, or exploration
- 0013  Temporarily or seasonally inactive
- 0014  Ceased operation - Give date at right →
- 0015  Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator	0061 Employer Identification Number
	Enter EIN of new owner (9 digits) →
0062 Mailing address (number and street, P.O. Box, etc.)	
0063 City, town, village, etc.	0064 State 0065 ZIP Code

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Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

**30** CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

0078  Yes      0079  No - Enter time period covered →

FROM 0070	Month	Year	TO 0071	Month	Year

0072 Name of person to contact regarding this report	0073 Title

Telephone 0074	Area code	Number		Extension	Fax 0075	Area code	Number	
			-					-

0076 Internet e-mail address	Date completed 0069	Month	Day	Year

**Thank you for completing your 2002 Economic Census form.**  
**PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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