

Metalworking Machinery: Third Quarter 2007

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U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

Table 1. Total Shipments and Unfilled Orders
[Quantity in units. Value in thousands of dollars]

| Product code | Product description | No. of cos. | Third quarter 2007 | | | | Second quarter 2007 | | | |
|--------------|---|-------------|--------------------|---------|-------------------------|-----------------|---------------------|-------------------------|--|--|
| | | | Total shipments | | Unfilled orders (value) | Total shipments | | Unfilled orders (value) | | |
| | | | Quantity | Value | | Quantity | Value | | | |
| | Metalworking machinery..... | (X) | 30,795 | 772,699 | 1,304,146 | 33,772 | 867,885 | 1,253,254 | | |
| | Total metal cutting type machine tools..... | (X) | 17,889 | 577,416 | 946,030 | 20,327 | 649,807 | 887,647 | | |
| | Total metal forming type machine tools..... | (X) | 12,906 | 195,283 | 358,116 | 13,445 | 218,078 | 365,607 | | |
| | Metal cutting type machine tools valued at \$3,025 each or more 1/ 2/ 3/ 4/..... | (X) | 7,244 | 556,852 | 902,304 | 7,646 | 619,688 | 852,639 | | |
| | Metal cutting type machine tools valued under \$3,025 5/ 6/..... | (X) | 10,505 | 7,378 | 452 | r/ 12,472 | r/ 8,405 | 585 | | |
| 333512A1 | Boring and drilling machines..... | 21 a/ | 1,820 c/ | 26,390 | 42,853 | a/ 2,137 | c/ 31,452 | 42,188 | | |
| | Boring machines valued at \$3,025 each or more: | | | | | | | | | |
| 333512A103 | Horizontal boring, drilling, and milling machines, including floor, table, rail mounted, and all other nonprecision boring machines (except boring lathes)..... | 5 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 333512A105 | Precision and jig boring machines, including horizontal and vertical machines | 2 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 333512A111 | All drilling machines valued under \$3,025 each..... | 7 | 1,543 | 1,591 | 140 | 1,728 | 1,718 | 110 | | |
| | Drilling machines valued at \$3,025 each or more: | | | | | | | | | |
| 333512A113 | Vertical upright drilling machines, including plain upright and heavy duty..... | 2 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 333512A117 | Deep hole drilling machines..... | 4 c/ | 46 c/ | 13,984 | 8,580 | (D) | (D) | 12,078 | | |
| 333512A120 | Multiple spindle drilling machines..... | 4 b/ | 57 c/ | 3,237 | 3,616 | c/ 53 | c/ 2,844 | (D) | | |
| 333512A123 | All other drilling machines..... | 1 | (D) | (D) | (D) | (D) | (D) | - | | |
| 3335121200 | Gear cutting machines, including gear hobbbers, shapers, teeth finishing, bevel gear generators, and all other gear cutting machines 1/..... | 3 | 40 | 22,620 | 60,072 | 46 | 26,221 | 64,811 | | |
| 33351221 | Grinding, polishing, buffing, honing, and lapping machines 3/..... | 51 a/ | 5,188 | 53,268 | b/r/ 190,170 | a/r/ 6,883 | 52,556 | 159,134 | | |
| 3335122101 | All grinding, polishing, buffing, honing, and lapping machines valued under \$3,025 each 3/..... | 13 a/ | 4,747 b/ | 3,052 | (D) | a/r/ 6,323 | b/r/ 3,658 | c/ 201 | | |
| | All grinding, polishing, buffing, honing, and lapping machines valued at \$3,025 each or more: | | | | | | | | | |
| 3335122110 | External cylindrical grinding machines..... | 8 b/ | 86 | 11,576 | 49,268 | b/ 104 | 13,086 | 39,453 | | |
| 3335122120 | Internal cylindrical grinding machines..... | 1 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335122122 | Surface grinding machines..... | 6 c/ | 88 c/ | 2,420 | (D) | c/ 134 | c/ 3,615 | (D) | | |
| 3335122136 | All other disc grinders, including bench, floor, snag, double spindle grinders, and abrasive belt grinders..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335122142 | Tool, cutter, and drill point grinding machines..... | 11 | 61 | 12,943 | 11,276 | 74 | 15,061 | 8,064 | | |
| 3335122151 | All other grinding machines, including planer type, and thread grinding machines..... | 7 | 84 b/ | 6,649 | b/ 25,642 | 84 a/r/ | 3,725 | 16,189 | | |
| 3335122156 | Honing and lapping machines (except flat surface lapping machines), internal, including combination bore, hone, and external..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335122161 | Flat surface lapping machines (except gear lapping)..... | 3 c/ | 18 | 751 | (D) | c/ 33 | 1,236 | (D) | | |
| 3335122166 | Polishing and buffing machines, including speed lathes and multistation type..... | 8 | (D) | (D) | 20,565 | r/ 44 | r/ 4,095 | r/ 14,185 | | |
| 33351231 | Lathes 1/ 2/ 5/..... | (X) | 1,427 | 90,961 | 50,401 | 1,567 | 106,305 | 46,641 | | |
| | Numerically controlled: | | | | | | | | | |
| | Horizontal..... | 6 | 1,258 | 75,216 | 50,207 | 1,440 | 88,093 | 46,641 | | |
| | Single spindle NC turning machines: | | | | | | | | | |
| 3335123107 | Chuck sizes less than 10 inches..... | 5 | 745 | 31,433 | 16,664 | 833 | 36,830 | 13,681 | | |
| 3335123116 | Chuck sizes from 10 inches but less than 15 inches..... | 4 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335123127 | Chuck sizes 15 inches and over and multiple spindle NC turning machines..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335123126 | Vertical NC turning machines 1/..... | 3 | 14 | 13,666 | (D) | 17 | 16,692 | (D) | | |
| 3335123131 | All lathes (turning machines) valued under \$3,025 each 5/..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335123134 | All nonnumerically controlled lathes (turning machines) valued at \$3,025 each or more 2/..... | 5 c/ | 155 b/ | 2,079 | (D) | c/ 110 | a/r/ 1,520 | (D) | | |
| 33351241 | Milling machines 4/5/..... | 6 b/ | 330 | 12,910 | (D) | a/ 366 | r/ 21,518 | (D) | | |
| 3335124101 | All milling machines valued under \$3,025 each 5/..... | 2 | (D) | (D) | (X) | (D) | (D) | (X) | | |
| 3335124125 | All milling machines valued at \$3,025 or more 4/..... | 6 | 330 | 12,910 | (D) | 366 | r/ 21,518 | (D) | | |

Table 1. Total Shipments and Unfilled Orders
 [Quantity in units. Value in thousands of dollars]

| Product code | Product description | No. of cos. | Third quarter 2007 | | | Second quarter 2007 | | | Unfilled orders (value) |
|--------------|---|-------------|--------------------|-----------|-------------------------|---------------------|-------------|-------------------------|-------------------------|
| | | | Total shipments | | Unfilled orders (value) | Total shipments | | Unfilled orders (value) | |
| | | | Quantity | Value | | Quantity | Value | | |
| 33351271 | Machining centers..... | 11 | 2,731 | 199,760 | 181,967 | 2,870 | 225,434 | 191,249 | |
| | Drill, mill, and bore, vertical (automatic tool change): | | | | | | | | |
| 3335127101 | Y-axis travel less than 20 inches..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 3335127106 | Y-axis travel 20 inches through 26 inches..... | 5 | 1,005 | 72,779 | 34,197 | 1,078 | 76,126 | 36,624 | |
| 3335127111 | Y-axis travel over 26 inches..... | 5 a/ | 299 a/ | 33,337 | 41,054 | a/ 278 a/ | 30,569 | 39,768 | |
| | Drill, mill, and bore, horizontal (automatic tool change): | | | | | | | | |
| 3335127112 | Under 500mm pallet and smaller..... | 2 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 3335127113 | 500 to 800mm pallet..... | 3 | (D) | (D) | (D) | r/ 47 r/ | 8,975 | (D) | |
| 3335127114 | Over 800mm pallet..... | 4 | 7 | 13,535 | 28,040 | 6 | 7,419 | 33,117 | |
| 3335127146 | All other machining centers, including special machining, special adapting of standard machining and machining centers with indexing turret..... | 1 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 33351281 | Station type machines 4/..... | 8 b/ | 27 | 15,130 | (D) | r/ 24 r/ | 16,943 | (D) | |
| 3335128101 | Dial or rotary, trunnion, and center column..... | 5 | 10 | 3,008 | 14,566 | (D) | (D) | 14,972 | |
| 3335128106 | Transfer..... | 3 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 3335128111 | Other station type..... | 1 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 33351291 | Other metal cutting machine tools 3/..... | 46 a/ | 5,648 | 142,811 | 111,313 | 5,765 | 147,336 | 105,088 | |
| 3335129101 | Other metal cutting machine tools, valued under \$3,025 3/..... | 11 a/ | 3,677 c/ | 2,355 | (D) | 3,961 c/r/ | 2,701 r/ | 274 | |
| | Other metal cutting machine tools, valued at \$3,025 each or more: | | | | | | | | |
| 3335129106 | Broaching machines..... | 5 c/ | 23 c/ | 1,254 b/ | 1,984 c/ | 11 a/ | 584 c/ | 2,711 | |
| | Sawing and cutoff machines: | | | | | | | | |
| | Band saws: | | | | | | | | |
| 3335129122 | Horizontal..... | 7 b/ | 301 c/ | 5,912 | (D) | 268 | 5,239 | (D) | |
| 3335129123 | Vertical..... | 6 a/ | 262 | 5,256 | 4,081 | 239 | 4,687 | (D) | |
| 3335129126 | All other sawing and cutoff machines..... | 7 | (D) | (D) | b/ 5,654 | (D) | (D) | 3,507 | |
| 3335129131 | Spark erosion, ultrasonic, and electrolytic machines, all types..... | 1 | (D) | (D) | (D) | (D) | (D) | (D) | |
| 3335129136 | Miscellaneous metal cutting machine tools..... | 20 a/ | 1,229 | 122,112 | 89,761 | a/ 1,224 | 127,086 | 83,862 | |
| 3335126111 | Remanufactured metal cutting machine tools..... | 13 c/ | 140 b/ | 13,186 b/ | 43,274 c/ | 209 b/r/ | 21,714 a/r/ | 34,423 | |
| | Metal forming type machine tools valued at \$3,025 or more..... | (X) | 3,411 | 187,072 | 353,319 | 3,546 | 208,084 | 360,816 | |
| | Metal forming type machine tools valued under \$3,025..... | (X) | 9,480 | 6,459 | 313 | 9,876 | 7,082 r/ | 306 | |
| 33351311 | Punching, shearing, bending, and forming machines..... | 58 | 3,045 a/ | 93,757 | 192,051 | 3,259 | 119,829 | 157,646 | |
| 3335131101 | All punching and shearing machines valued under \$3,025 each..... | 8 | 248 | 331 | 76 | 311 | 383 r/ | 96 | |
| | All punching and shearing machines valued at \$3,025 each or more: | | | | | | | | |
| | Power operated only: | | | | | | | | |
| 3335131106 | Punches, including combination punching and shearing machines..... | 14 | 1,109 | 16,258 | 2,279 | 1,017 | 14,481 | 1,782 | |
| 3335131111 | Punching machines fixed position and two axes positioning table..... | 3 b/ | 29 b/ | 7,793 | (D) | b/ 71 b/ | 19,387 | (D) | |
| | Plate shearing machines: | | | | | | | | |
| 3335131116 | Mechanical..... | 2 | (D) | (D) | (D) | 35 | 1,253 | 1,074 | |
| 3335131121 | Hydraulic..... | 7 | 239 | 5,024 | 4,448 | 251 | 5,066 | 4,354 | |
| 3335131126 | Other power operated punching and shearing machines..... | 3 | (D) | (D) | (D) | 45 | 2,132 | (D) | |
| 3335131131 | All bending and forming machines, power operated valued at under \$3,025 each..... | 5 | 395 | 770 | 74 | 405 | 810 | 71 | |
| | All bending and forming machines, power operated valued at \$3,025 each or more: | | | | | | | | |
| 3335131136 | Press brakes, all types..... | 7 | 147 a/ | 17,939 | 19,367 | 165 | 22,725 | 19,227 | |
| 3335131145 | Roll bending machines including sheet, plate, angles, bars, shapes and tubes, and rotary bending and forming machines, including rotary head..... | 15 c/ | 232 | 21,055 | 102,580 | b/ 288 | 29,421 | 83,380 | |
| 3335131161 | Other bending and forming machines, including folders and slide bending machines..... | 16 b/ | 565 a/ | 21,334 | 42,868 | b/ 671 a/ | 24,171 | 35,690 | |
| 33351331 | Presses (except forging) 6/..... | 28 c/ | 505 a/ | 38,099 | 79,552 | c/ 544 a/ | 29,973 | 95,285 | |
| 3335133101 | All presses valued under \$3,025 each 6/..... | 4 | (D) | (D) | (D) | (D) | (D) | (D) | |
| | All presses valued at \$3,025 each or more: | | | | | | | | |
| 3335133109 | Mechanical presses: Gap or C-frame..... | 4 c/ | 23 a/ | 367 | 200 | c/r/ 22 r/ | 495 | 297 | |
| 3335133136 | Automatic presses, strip or coil fed..... | 4 | (D) | (D) | 13,535 | (D) | (D) | 14,410 | |
| 3335133143 | Vertical, automatic, and all other mechanical presses..... | 5 c/ | 114 a/ | 19,472 | 24,721 | c/ 80 b/ | 10,096 | 33,707 | |
| | Hydraulic presses: | | | | | | | | |
| | Vertical single action, all tonnages: | | | | | | | | |
| 3335133146 | Housing or straight side type..... | 4 | (D) | (D) | a/ 7,218 | (D) | (D) | 11,121 | |
| 3335133151 | Column type (open rod)..... | 5 | 5 | 2,426 | (D) | (D) | (D) | (D) | |

Table 1. Total Shipments and Unfilled Orders
 [Quantity in units. Value in thousands of dollars]

| Product code | Product description | No. of cos. | Third quarter 2007 | | | | Second quarter 2007 | | | |
|--------------|--|-------------|--------------------|-----------|-------------------------|-----------------|---------------------|-------------------------|--|--|
| | | | Total shipments | | Unfilled orders (value) | Total shipments | | Unfilled orders (value) | | |
| | | | Quantity | Value | | Quantity | Value | | | |
| 3335133156 | Gap or C-frame: 15 tons and under..... | 4 | 45 | 1,217 | 580 | 56 | 910 | 534 | | |
| 3335133161 | 16 tons to 35 tons..... | 2 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335133166 | Over 35 tons..... | 5 | 9 | 778 | a/ 949 | 12 | 826 | a/ 643 | | |
| 3335133171 | Other hydraulic and pneumatic presses, including horizontal..... | 8 | c/ 271 | b/ 3,853 | b/ 13,528 | c/ 326 | b/r/ 4,908 | r/ 6,522 | | |
| 33351351 | All other metal forming type machine tools 7/..... | 29 | 504 | b/ 56,317 | b/ 81,866 | 459 | 59,475 | 108,052 | | |
| 3335135101 | All other metal forming type machine tools valued under \$3,025 each 6/..... | 5 | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 3335135118 | All other metal forming type machine tools valued at \$3,025 each or more: Forging machines, including forging presses and die stamping presses, and die casting machines, all types..... | 4 | b/ 38 | c/ 13,097 | (D) | (D) | (D) | (D) | | |
| 3335135121 | Riveting machines..... | 5 | 142 | 2,849 | (D) | 132 | 2,345 | (D) | | |
| 3335135126 | All other metal forming type machine tools..... | 18 | 324 | a/ 40,371 | b/ (D) | 294 | 44,989 | (D) | | |
| 3335137121 | Remanufactured metal forming machine tools..... | 7 | b/ 15 | c/ 1,752 | b/ 4,484 | a/ 23 | 2,912 | 4,485 | | |

- Represent zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.
 X Not applicable.

1/"Unfilled orders (value)" for product code 3335123126 is included in the total for "Metal cutting type machine tools valued at \$3,025 each or more," but excluded from product class 33351231.

2/"Unfilled orders (value)" for product codes 3335123134 is included in the total for "Metal cutting type machine tools valued at \$3,025 each or more," but excluded from product class 33351231.

3/For first quarter 2007 "Unfilled orders (value)" for product codes 3335122101 and 3335129101 is included in the total for "Metal cutting type machine tools valued under \$3,025," but excluded from product classes 3335122101 and 33351291 respectively.

4/"Unfilled orders (value)" for product classes 33351241 and 33351281 is included in the total for "Metal cutting type machine tools valued over \$3,025."

5/Product codes 3335123131 and 3335124101 are included in the total for "Metal cutting type machine tools valued under \$3,025," but excluded from product class 33351231 and 33351241, respectively.

6/Product codes 3335133101 and 3335135101 are included in the total for "Metal forming type machine tools valued under \$3,025," but excluded from product classes 33351331 and 33351351, respectively.

Note: This report includes complete machines only. Percent of estimation of each item is indicated as follows: a/16 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

Table 2. Shipments of Numerically Controlled Machines and Exports
 [Quantity in units. Value in thousands of dollars]

| Product description | Third quarter 2007 | | | Second quarter 2007 | | |
|--|--|---------|-----------------------------|--|---------|-----------------------------|
| | Shipments of numerically controlled machines | | Export shipments (value) 1/ | Shipments of numerically controlled machines | | Export shipments (value) 1/ |
| | Quantity | Value | | Quantity | Value | |
| Metalworking machinery..... | 5,248 | 509,322 | 222,734 | 5,805 | 618,210 | 224,169 |
| Metal cutting type machine tools 2/..... | 5,006 | 452,802 | 165,694 | 5,507 | 542,828 | 161,246 |
| Boring and drilling machines 2/..... | 32 | 5,950 | 2,359 | 69 | 10,065 | (D) |
| Gear cutting machines 2/..... | 37 | 22,110 | (D) | 45 | 25,860 | (D) |
| Grinding, polishing, buffing, and lapping machines..... | 100 | 21,758 | 9,975 | 134 | 29,631 | 7,855 |
| Valued under \$3,025 each, external cylindrical grinding machines (plain and universal), and surface grinding machines, all types..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Honing, lapping, polishing and buffing machines..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Horizontal NC turning machines, valued at \$3,025 or each or more 3/..... | 1,258 | 75,216 | 26,409 | 1,440 | 88,093 | 25,861 |
| Single spindle NC turning machines: | | | | | | |
| Chuck sizes less than 10 inches 3/..... | 745 | 31,433 | (D) | 833 | 36,830 | (D) |
| Chuck sizes over 10 inches but less than 15 inches 3/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Chuck sizes 15 inches and over and multiple spindle 3/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Vertical NC turning machines, valued at \$3,025 each or more 2/..... | 14 | 13,666 | (D) | 17 | 16,692 | (D) |
| Nonnumerically controlled turning machines, valued at \$3,025 or more..... | (X) | (X) | (D) | (X) | (X) | (D) |
| Milling machines 2/..... | 191 | 11,433 | (D) | 227 | 20,057 | (D) |
| Machining centers 4/..... | 2,731 | 199,760 | 67,749 | 2,870 | 225,434 | (D) |
| Drill, mill and bore, vertical (automatic tool change) 4/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Y-axis travel less than 20 inches 4/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Y-axis travel 20 inches through 26 inches..... | 1,005 | 72,779 | (D) | 1,078 | 76,126 | (D) |
| Y-axis travel over 26 inches 4/..... | 299 | 33,337 | (D) | 278 | 30,569 | (D) |
| Drill, mill and bore, horizontal (automatic tool change) 4/..... | 128 | 29,195 | (D) | 119 | 24,236 | (D) |
| Under 500mm pallet 4/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| 500mm-800mm pallet 4/..... | (D) | (D) | (D) | 47 | 8,975 | (D) |
| Over 800mm pallet 4/..... | 7 | 13,535 | (D) | 6 | 7,419 | - |
| All other machining centers 4/..... | (D) | (D) | - | (D) | (D) | - |
| Station type machines, and other metal cutting machine tools..... | 523 | 94,360 | 36,682 | 519 | 113,913 | 38,521 |
| Remanufactured metal cutting machines 2/..... | 120 | 8,549 | 1,103 | 186 | 13,083 | (D) |
| Metal forming type machine tools 5/..... | 242 | 56,520 | 57,040 | 298 | 75,382 | 62,923 |
| Punching, shearing, bending, and forming machines..... | 195 | 26,871 | 16,558 | 246 | 42,458 | 22,094 |
| Punching and shearing machines..... | 87 | 9,301 | 4,636 | 122 | 20,982 | 10,088 |
| All bending and forming machines, power operated..... | 108 | 17,570 | 11,922 | 124 | 21,476 | 12,006 |
| Presses (except forgings) 5/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| All other metal forming type machine tools 5/..... | (D) | (D) | (D) | (D) | (D) | (D) |
| Remanufactured metal forming machines 5/..... | (D) | (D) | (D) | (D) | (D) | (D) |

- Represents zero. D Withheld to avoid disclosing data for individual companies. X Not applicable.

1/Data includes the value of all types of machines exported, as reported by MQ333W survey panel.

2/Data were included in total "Metal cutting type machine tools."

3/Data were included in "Horizontal NC turning machines, valued at \$3,025 each or more."

4/Data were included in total "Machining centers."

5/Data were included in total "Metal forming type machine tools."

Table 3a. Shipments, Exports, and Imports of Metalworking Machinery: Third Quarter 2007
 [Quantity in units. Value in thousands of dollars]

| Product description | Manufacturers' shipments | | Exports of domestic merchandise 1/ 2/ | | Imports for consumption 1/ 3/ | |
|---|--------------------------|---------|---------------------------------------|---------------|-------------------------------|----------|
| | Quantity | Value | Quantity | Value at port | Quantity | Value 4/ |
| Boring and drilling machines, excluding multifunction NC machines, machining centers: | | | | | | |
| Boring machines valued at \$3,025 each or more... | (D) | (D) | 91 | 3,143 | 307 | 22,868 |
| Drilling machines: | | | | | | |
| Valued under \$3,025 each..... | 1,543 | 1,591 | 4,293 | 2,991 | 31,062 | 5,435 |
| Valued at \$3,025 each or more | (D) | (D) | 522 | 14,350 | 387 | 15,407 |
| Gear cutting machines | 40 | 22,620 | 92 | 9,829 | 81 | 29,568 |
| Grinding, polishing, buffing, honing, and lapping machinery (except gear tooth grinding, lapping, polishing, and buffing machines): | | | | | | |
| Valued under \$3,025 each..... | 4,747 | 3,052 | 21,146 | 5,414 | 183,665 | 6,572 |
| Valued at \$3,025 each or more | 441 | 50,216 | 647 | 30,167 | 1,327 | 74,066 |
| Lathes (turning machines) under \$3,025..... | (D) | (D) | 647 | 920 | 4,137 | 3,250 |
| Horizontal NC turning machines..... | 1,258 | 75,216 | 140 | 18,192 | 1,922 | 222,518 |
| Vertical NC turning machines..... | 14 | 13,666 | 56 | 5,922 | 133 | 28,530 |
| Nonnumerically controlled turning machines..... | 155 | 2,079 | 398 | 12,170 | 1,387 | 22,318 |
| Milling machines: | | | | | | |
| Valued under \$3,025 each..... | (D) | (D) | 680 | 1,308 | 2,325 | 1,861 |
| Valued at \$3,025 each or more..... | 330 | 12,910 | 199 | 7,370 | 1,462 | 41,745 |
| Machining centers (multifunction NC machines)..... | 2,731 | 199,760 | 764 | 80,425 | 1,652 | 267,341 |
| Drill, mill, and bore, vertical (automatic tool change): | | | | | | |
| Y-axis travel less than 20 inches and 20 inches through 26 inches..... | (D) | (D) | 609 | 63,920 | 865 | 73,265 |
| Y-axis travel 26 inches and over..... | 299 | 33,337 | 106 | 12,375 | 197 | 39,115 |
| Drill, mill, and bore, horizontal (automatic tool change) | (D) | (D) | - | - | 563 | 148,770 |
| Other machining centers | (D) | (D) | 49 | 4,130 | 27 | 6,190 |
| Station type machines | 27 | 15,130 | (NA) | (NA) | 51 | 21,049 |
| Other metal cutting machine tools: | | | | | | |
| Valued under \$3,025 each..... | 3,677 | 2,355 | (NA) | (NA) | (NA) | (NA) |
| Valued at \$3,025 each or more..... | 1,971 | 140,456 | 1,218 | 28,884 | 2,200 | 108,346 |
| Punching and shearing machines: | | | | | | |
| Valued under \$3,025 each..... | 248 | 331 | 5,991 | 3,145 | 4,137 | 1,312 |
| Valued at \$3,025 each or more..... | 1,377 | 29,075 | 830 | 28,245 | 562 | 32,712 |
| Bending and forming machines: | | | | | | |
| Valued under \$3,025 each..... | 395 | 770 | 9,827 | 5,379 | 38,723 | 5,477 |
| Valued at \$3,025 each or more..... | 944 | 60,328 | 908 | 20,105 | 1,029 | 51,779 |
| Presses (except forging presses)..... | 505 | 38,099 | 2,468 | 20,990 | 17,680 | 27,934 |
| All other metal forming type machine tools: | | | | | | |
| Valued under \$3,025 each..... | (D) | (D) | (NA) | (NA) | (NA) | (NA) |
| Machines valued at \$3,025 each or more: | | | | | | |
| Forging machines, including forging presses and die stamping presses, and die casting machines, all types..... | 38 | 13,097 | 216 | 18,462 | 1,716 | 36,057 |
| Other metal forming machines | 324 | 40,371 | (NA) | (NA) | (NA) | (NA) |

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available.

1/For a comparison of North American Industry Classification System (NAICS)-based product codes, Schedule B export codes, and HTSUSA import codes, see Table 4 in the first quarter report for this series, MQ333W(07)-1, Metalworking Machinery, issued June 2007.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. General Imports for Consumption.

4/Dollar value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus import duties.

Table 3b. Shipments, Exports, and Imports of Metalworking Machinery: Second Quarter 2007
 [Quantity in units. Value in thousands of dollars]

| Product description | Manufacturers' shipments | | Exports of domestic merchandise 1/ 2/ | | Imports for consumption 1/ 3/ | |
|---|--------------------------|---------|---------------------------------------|---------------|-------------------------------|----------|
| | Quantity | Value | Quantity | Value at port | Quantity | Value 4/ |
| Boring and drilling machines, excluding multifunction NC machines, machining centers: | | | | | | |
| Boring machines valued at \$3,025 each or more.... | (D) | (D) | 96 | 3,496 | 275 | 17,835 |
| Drilling machines: | | | | | | |
| Valued under \$3,025 each..... | 1,728 | 1,718 | 2,772 | 2,327 | 25,561 | 4,631 |
| Valued at \$3,025 each or more | (D) | (D) | 469 | 9,374 | 496 | 25,354 |
| Gear cutting machines | 46 | 26,221 | 60 | 8,581 | 83 | 23,701 |
| Grinding, polishing, buffing, honing, and lapping machinery (except gear tooth grinding, lapping, polishing, and buffing machines): | | | | | | |
| Valued under \$3,025 each..... | 6,323 | 3,658 | 19,127 | 6,216 | 190,667 | 7,675 |
| Valued at \$3,025 each or more | 560 | 48,898 | 848 | 29,207 | 1,460 | 78,985 |
| Lathes (turning machines) under \$3,025..... | (D) | (D) | 4,567 | 3,226 | 5,297 | 3,969 |
| Horizontal NC turning machines..... | 1,440 | 88,093 | 146 | 17,577 | 1,982 | 214,905 |
| Vertical NC turning machines..... | 17 | 16,692 | 20 | 3,284 | 119 | 28,471 |
| Nonnumerically controlled turning machines..... | 110 | 1,520 | 320 | 12,012 | 1,227 | 18,873 |
| Milling machines: | | | | | | |
| Valued under \$3,025 each..... | (D) | (D) | 488 | 778 | 3,512 | 2,976 |
| Valued at \$3,025 each or more..... | 366 | 21,518 | 424 | 10,957 | 1,318 | 36,184 |
| Machining centers (multifunction NC machines)..... | 2,870 | 225,434 | 700 | 74,959 | 1,622 | 273,876 |
| Drill, mill, and bore, vertical (automatic tool change): | | | | | | |
| Y-axis travel less than 20 inches and 20 inches through 26 inches..... | (D) | (D) | 566 | 60,142 | 875 | 83,383 |
| Y-axis travel 26 inches and over..... | 278 | 30,569 | 100 | 12,424 | 146 | 26,963 |
| Drill, mill, and bore, horizontal (automatic tool change) | (D) | (D) | - | - | 524 | 135,290 |
| Other machining centers | (D) | (D) | 34 | 2,393 | 77 | 28,240 |
| Station type machines | 24 | 16,943 | (NA) | (NA) | 121 | 26,494 |
| Other metal cutting machine tools: | | | | | | |
| Valued under \$3,025 each..... | 3,961 | 2,701 | (NA) | (NA) | (NA) | (NA) |
| Valued at \$3,025 each or more..... | 1,804 | 144,635 | 1,308 | 29,856 | 2,477 | 106,920 |
| Punching and shearing machines: | | | | | | |
| Valued under \$3,025 each..... | 311 | 383 | 4,455 | 2,224 | 2,441 | 929 |
| Valued at \$3,025 each or more..... | 1,419 | 42,319 | 715 | 28,598 | 739 | 50,175 |
| Bending and forming machines: | | | | | | |
| Valued under \$3,025 each..... | 405 | 810 | 10,084 | 5,204 | 30,065 | 4,807 |
| Valued at \$3,025 each or more..... | 1,124 | 76,317 | 831 | 16,825 | 1,270 | 48,840 |
| Presses (except forging presses)..... | 544 | 29,973 | 1,506 | 21,640 | 7,016 | 27,651 |
| All other metal forming type machine tools: | | | | | | |
| Valued under \$3,025 each..... | (D) | (D) | (NA) | (NA) | (NA) | (NA) |
| Machines valued at \$3,025 each or more: | | | | | | |
| Forging machines, including forging presses and die stamping presses, and die casting machines, all types..... | (D) | (D) | 163 | 19,803 | 1,375 | 57,419 |
| Other metal forming machines | 294 | 44,989 | (NA) | (NA) | (NA) | (NA) |

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available.

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