



Updated January 2016

**MACHINE DESCRIPTION**

**CODE**

**METAL CUTTING EQUIPMENT**

**BORING & DRILLING MACHINES**

JIG BORING	3541.205
BORING, HBM QUILL FEED SPINDLES CNC OR MANUAL	3541.207
DRILLING, NON-NC	3541.215
SENSITIVE VERTICAL DRILLING MACHINES, MANUAL	3541.216
GUN DRILLING	3541.218
BORING OR DRILLING, NC	3541.219

**GRINDING MACHINES**

GRINDING - EXT, CTR TYPE (INCL PLUNGE GRINDERS), CNC, LESS THAN 10" SWING	3541.411
GRINDING - EXT, CTR TYPE (INCL PLUNGE GRINDERS), CNC, 10" SWING & OVER	3541.412
GRINDING - ALL OTHER CNC EXT GRINDERS, INCL CHUCKING, THREADING & CTRLESS	3541.413
GRINDING - EXT, CTR TYPE (INCL PLUNGE GRINDERS), NON-NC, LESS THAN 10" SWING	3541.414
GRINDING - EXT, CTR TYPE (INCL PLUNGE GRINDERS), NON-NC, 10" SWING & OVER	3541.415
GRINDING - ALL OTHER NON-NC EXT GRINDERS, INCL CHUCKING, THREADING & CTRLESS	3541.419
GRINDING - INTERNAL - CNC, ALL SIZES	3541.421
GRINDING - INTERNAL - MANUAL	3541.422
GRINDING - SURFACE, CNC, ROTARY	3541.433
GRINDING - SURFACE, CNC, RECIPROCATING (INCL FACE)	3541.434
GRINDING - SURFACE, CNC, OTHER	3541.435
GRINDING - SURFACE, NON-NC, OTHER	3541.436
GRINDING - ABRASIVE BELT	3541.442
GRINDING - TOOL & CUTTER GRINDER, NC	3541.452
GRINDING - TOOL & CUTTER GRINDER, NON-NC	3541.453
GRINDING - DRILL POINT GRINDERS	3541.454
GRINDING - OTHER GRINDING MACHINES	3541.455
HONING, LAPPING, POLISHING & BUFFING MACH - HONING MACH, EXCEPT GEAR HONING	3541.475

**HORIZONTAL LATHES**

LATHES, HORZ, CNC - SWISS STYLE LATHES, CNC - UNDER 20MM BAR	3541.511
LATHES, HORZ, CNC - SWISS STYLE LATHES, CNC - 20-25MM BAR	3541.512
LATHES, HORZ, CNC - SWISS STYLE LATHES, CNC - OVER 25MM BAR	3541.513
LATHES, HORZ, CNC - MULTI-SPINDLE - TWIN/DUAL (NC HORZ INCL OPPOSING SPNDLS, EQUAL HP)	3541.514
LATHES, HORZ, CNC - MULTI-SPINDLE	3541.515
LATHES, HORZ, DUAL MANUAL / CNC	3541.525
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING 6" OR LESS	3541.540
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING 8"	3541.542
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING 11"	3541.545
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING 15"	3541.549
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING 20"	3541.554
LATHES, HORZ, CNC - SINGLE SPINDLE - SPINDLE NOSE MEASURING OVER 20"	3541.560
LATHES, HORZ, CNC - WITH SUB SPINDLE - MAIN SPINDLE NOSE MEASURING 6" OR LESS	3541.571
LATHES, HORZ, CNC - WITH SUB SPINDLE - MAIN SPINDLE NOSE MEASURING 8" OR MORE	3541.572

**VERTICAL LATHES**

LATHES, VERT, CNC - CHUCKING MACHINES, LESS THAN 30"	3541.531
LATHES, VERT, CNC - VERT BORING MACHS & VERT TURRET LATHES, NC, 30" & OVER	3541.532
LATHES, VERT, CNC - MULTI-SPINDLE MACHINES	3541.533
LATHES, VERT, CNC - INVERTED SPINDLE	3541.534

**NON-NC LATHES**

LATHES, HORZ, NON-NC - SINGLE SPINDLE, ENGINE	3541.581
LATHES, HORZ, NON-NC - SINGLE SPINDLE, OTHER	3541.582
LATHES, HORZ, NON-NC - MULTI-SPINDLE	3541.584
LATHES, VERT, NON-NC - ALL OTHER, SINGLE OR MULTI-SPINDLE	3541.586



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**MILLING MACHINES**

MILLING MACHINES - KNEE & BED, NC	3541.623
MILLING MACHINES - KNEE & BED, NON-NC	3541.624
MILLING MACHINES - PROFILING & DUPLICATING, NC	3541.653
MILLING MACHINES - PLANER TYPE MILLS & ALL OTHER MILLS, CNC	3541.662
MILLING MACHINES - OTHER MILLING MACHINES, NON-CNC	3541.663

**MACHINING CENTERS - VERTICAL**

MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), LESS THAN 40 TAPER	3541.701
MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), "Y" AXIS TRAVEL 15" OR LESS	3541.702
MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), "Y" AXIS TRAVEL OVER 15" & UNDER 20"	3541.704
MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), "Y" AXIS TRAVEL 20" - 26"	3541.707
MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), "Y" AXIS TRAVEL OVER 26" & UNDER 42"	3541.708
MACHINING CTRS - VERT (INC. BRIDGE & GANTRY), "Y" AXIS TRAVEL 42" & OVER	3541.710

**MACHINING CENTERS - HORIZONTAL & OTHER**

MACHINING CTRS - HORZ, 400MM PALLET & SMALLER	3541.711
MACHINING CTRS - HORZ, 401MM - 500MM PALLET	3541.713
MACHINING CTRS - HORZ, 501MM - 630MM PALLET	3541.714
MACHINING CTRS - HORZ, 631MM - 800MM PALLET	3541.716
MACHINING CTRS - HORZ, OVER 801MM PALLET	3541.718
MACHINING CTRS - UNIVERSAL & OTHER (NEITHER VERT NOR HORZ)	3541.719

**STATION TYPE MACHINES**

STATION TYPE MACHINES - ROTARY TRANS (DIAL OR ROTARY, TRUNNION & CTR COLUMN)	3541.731
STATION TYPE MACHINES - IN-LINE TRANS (FREE, PALLETIZED, SHUTTLE)	3541.735
STATION TYPE MACHINES - WAY TYPE (SINGLE STATION)	3541.737

**SAWING & CUT-OFF MACHINES**

SAWING & CUT-OFF MACHINES -HORIZONTAL PIVOT/SCISSOR STYLE MITER	3541.850
SAWING & CUT-OFF MACHINES -VERTICAL PLATE AND BLOCK	3541.851
SAWING & CUT-OFF MACHINES - VERTICAL TILT FRAME SAWS	3541.852
SAWING & CUT-OFF MACHINES - VERTICAL CONTOUR	3541.853
SAWING & CUT-OFF MACHINES -HORIZONTAL DOUBLE COLUMN NON-MITER	3541.854
SAWING & CUT-OFF MACHINES - CIRCULAR CUT-OFF SAWS / COLD SAWS	3541.855
SAWING & CUT-OFF MACHINES -HORIZONTAL DOUBLE COLUMN MITER	3541.857
SAWING & CUT-OFF MACHINES - ALL OTHER SAWING & CUT-OFF MACHINES	3541.858
SAWING & CUT-OFF MACHINES -HORIZONTAL PIVOT/SCISSOR STYLE NON-MITER	3541.859

**ELECTRICAL DISCHARGE MACHINES**

EDMS - MANUAL RAM, 65 SQ INCH OR LESS, EXCEPT SMALL HOLE DRILLING	3541.860
EDMS - MANUAL RAM 66-130 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.861
EDMS - MANUAL RAM 131-250 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.862
EDMS - MANUAL RAM 251-400 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.863
EDMS - MANUAL RAM OVER 400 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.864
EDMS - CNC SINKER 65 SQ INCHES OR LESS, EXCEPT SMALL HOLE DRILLING	3541.865
EDMS - CNC SINKER 66-130 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.866
EDMS - CNC SINKER 131-250 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.867
EDMS - CNC SINKER 250-400 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.868
EDMS - CNC SINKER OVER 400 SQ INCHES, EXCEPT SMALL HOLE DRILLING	3541.869
EDMS - CNC TRAVELING WIRE 65 SQ INCHES OR LESS	3541.870
EDMS - CNC TRAVELING WIRE 66-130 SQ INCHES	3541.871
EDMS - CNC TRAVELING WIRE 131-250 SQ INCHES	3541.872
EDMS - CNC TRAVELING WIRE 251-400 SQ INCHES	3541.873
EDMS - CNC TRAVELING WIRE OVER 400 SQ INCHES	3541.874
EDMS SMALL HOLE DRILLING MACHINES	3541.879



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**OTHER METAL CUTTING EQUIPMENT**

GEAR HONING, HOBBIING, SHAPING, AND OTHER GEAR-MAKING EQUIP	3541.311
VIBRATORY DEBURRING	3541.484
POLISHING & BUFFING MACHINES	3541.485
ABRASIVE DEBURRING, ETCHING, CLEANING & PEENING	3541.487
HONING, LAPPING, POLISHING & BUFFING MACH - OTHER STYLES OF PREFINISH EQUIP	3541.490
BROACHING MACHINES, INTERNAL - OTHER, INCL BROACHING PRESSES	3541.841
BROACHING MACHINES, INTERNAL - VERT	3541.843
BROACHING, SURFACE - HORZ & CONTINUOUS	3541.846
BROACHING, SURFACE - VERT	3541.848
REBUILDING METAL CUTTING MACHINES	3541.941
OTHER METAL CUTTING MACHINES	3541.999

**METAL FORMING & FABRICATING EQUIPMENT**

**POWER OPERATED PUNCHES, INCLUDING COMB PUNCHING & SHEARING MACHINES**

COMBINATION PUNCHING, LASER, OR SHEARING MACHINES, CNC, WITH AUTOMATIC TOOL CHANGER	3542.111
PUNCHING MACHINES, CNC, WITH AUTOMATIC TOOL CHANGER	3542.112
PUNCHING MACHINES OTHER INCL COMBINATIONS, NON-NC	3542.113
PUNCHING MACHINES, SINGLE STATION, CNC	3542.114
ROTARY SHEARING MACHINES & OTHER SHEARING MACHINES, NON-NC	3542.117

**PLATE, BAR & ANGLE SHEARING MACHINES**

PLATE SHEARING MACHINES (SQUARING, SLITTING, ETC.) - 10 GAUGE & UNDER	3542.121
PLATE SHEARING MACHINES (SQUARING, SLITTING, ETC.) - OVER 10 GAUGE	3542.122
BAR & ANGLE SHEARING MACHINES	3542.123

**PRESS BRAKES**

PRESS BRAKES 300 TONS & LESS, NC	3542.133
PRESS BRAKES, OVER 300 TONS, NC	3542.134
AUTOMATIC FOLDING MACHINES	3542.135
PRESS BRAKES NON -NC	3542.136

**BENDING ROLLS, ANGLES, BARS, SHAPES & TUBES**

BENDING ROLLS, ANGLES, BARS & SHAPES	3542.143
BENDING ROLLS, SHEET & PLATE	3542.145
TUBE BENDING, UP TO 100 TONS	3542.146
TUBE BENDING, 101 TO 300 TONS	3542.147
TUBE BENDING, 301 TONS & OVER	3542.148
OTHER BENDING & FORMING	3542.149

**MECHANICAL PRESSES**

PRESSES - MECH - OPEN BACK, GAP TYPE, SINGLE CONNECTION, UP TO 80 TONS	3542.205
PRESSES - MECH - OPEN BACK, GAP TYPE, SINGLE CONNECTION, 81 TO 149 TONS	3542.206
PRESSES - MECH - OPEN BACK, GAP TYPE, SINGLE CONNECTION, OVER 149 TONS	3542.207
PRESSES - MECH - OPEN BACK, GAP TYPE (WIDE-OBW) MULT CONNECT, UP TO 80 TONS	3542.212
PRESSES - MECH - OPEN BACK, GAP TYPE (WIDE-OBW) MULT CONNECT, 81 TO 149 TONS	3542.213
PRESSES - MECH - OPEN BACK, GAP TYPE (WIDE-OBW) MULT CONNECT, OVER 149 TONS	3542.214
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, SINGLE ACTION, UP TO 200 TONS	3542.216
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, SINGLE ACTION, 201 TO 1000 TONS	3542.217
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, SINGLE ACTION, OVER 1001 TONS	3542.228
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, MULT ACTION, UP TO 300 TONS	3542.222
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, MULT ACTION, OVER 301 TONS	3542.223
PRESSES - MECH - STRAIGHT SIDE, GEN PURPOSE, MULT ACTION, OTHR STRAIGHT SIDE	3542.231
PRESSES - MECH - OTHER	3542.232
PRESSES - MECH - STRAIGHT SIDE, HI SPD (300+ SPM), SNGL ACTN, UP TO 200 TONS	3542.235
PRESSES - MECH - STRAIGHT SIDE, HI SPD (300+ SPM), SNGL ACTN, OVER 200 TONS	3542.236



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**MACHINE DESCRIPTION**

**CODE**

**HYDRAULIC PRESSES**

HYDRAULIC PRESSES - STRAIGHT SIDE, 100 TONS & LESS	3542.251
HYDRAULIC PRESSES - STRAIGHT SIDE, 101 TO 500 TONS	3542.252
HYDRAULIC PRESSES - STRAIGHT SIDE, OVER 500 TONS	3542.254
HYDRAULIC PRESSES - GAP FRAME - LESS THAN 16 TONS	3542.256
HYDRAULIC PRESSES - GAP FRAME - 16 TO 200 TONS	3542.257
HYDRAULIC PRESSES - GAP FRAME - OVER 200 TONS	3542.259
HYDRAULIC PRESSES - COLUMN TYPE - 100 TONS & LESS	3542.262
HYDRAULIC PRESSES - COLUMN TYPE - 101 TONS - 500 TONS	3542.264
HYDRAULIC PRESSES - COLUMN TYPE - OVER 500 TONS	3542.265
HYDRAULIC PRESSES - OTHER	3542.267

**SERVO PRESSES**

SERVO PRESSES - OPEN BACK, GAP TYPE, UP TO 80 TONS	3542.271
SERVO PRESSES - OPEN BACK, GAP TYPE, OVER 80 TONS	3542.277
SERVO PRESSES - STRAIGHT SIDE, GEN PURPOSE, UP TO 200 TONS	3542.283
SERVO PRESSES - STRAIGHT SIDE, GEN PURPOSE, FROM 201 to 1000 TONS	3542.289
SERVO PRESSES - OTHER	3542.299

**OTHER METALFORMING EQUIPMENT**

THREAD ROLLING MACHINES (INCL DIE HEADS)	3542.343
DIECASTING	3542.355
METAL FORM'G CUSTOM SYSTEMS (ENGINEERING COSTS EXCEED 15% OF PRICE)	3542.500
REBUILDING METAL FORMING MACHINES	3542.975
OTHER METAL FORMING MACHINES	3542.999

**COIL HANDLING EQUIPMENT**

COIL EQUIP SYSTEMS - ROLL FORMING LINES	3542.804
COIL EQUIP SYSTEMS - PROCESSING EQUIP (GALVANIZING, PICKLING, ETC)	3542.805
COIL HANDLING EQUIP - FEEDS - MECH (CAM)	3542.807
COIL HANDLING EQUIP - FEEDS - SERVO	3542.808
COIL HANDLING EQUIP - STRAIGHTENERS	3542.811
COIL HANDLING EQUIP - LEVELERS	3542.812
COIL HANDLING EQUIP - REELS & UNCOILERS (ALL TYPES)	3542.813
COIL HANDLING EQUIP - CRADLES	3542.814
COIL HANDLING EQUIP - OTHER	3542.815
COIL EQUIP SYSTEMS - CUT-TO-LENGTH LINES	3542.816
COIL EQUIP SYSTEMS - PRESS FEED SYSTEMS	3542.817
COIL EQUIP SYSTEMS - SLITTING LINES	3542.818
FEED SYSTEMS	3542.819

**WELDING PROCESSES**

WELDING PROCESSES - LASER	3548.101
WELDING PROCESSES - OTHER	3548.103
WELD & JOIN CUSTOM SYSTEMS REGARDLESS OF ENERGY SOURCE (ENGINEERING COSTS EXCEED 15'	3548.105



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**MACHINE DESCRIPTION**

**CODE**

**2D MATERIAL PROCESSING BY LASER, WATERJET OR PLASMA**

2D MATERIAL PROCESSING - OXY FUEL/PLASMA	3548.109
2D MATERIAL PROCESSING - WATER JET	3548.110
LASERS FOR 2D MATERIAL PROCESSING - CO2 - 2000 WATTS OR LESS	3458.121
LASERS FOR 2D MATERIAL PROCESSING - CO2 - 2001-4500 WATTS	3458.122
LASERS FOR 2D MATERIAL PROCESSING - CO2 - 4501-6000 WATTS	3458.123
LASERS FOR 2D MATERIAL PROCESSING - CO2 - OVER 6000 WATTS	3458.124
LASERS FOR 2D MATERIAL PROCESSING - FIBER (1000 WATTS OR LESS)	3458.125
LASERS FOR 2D MATERIAL PROCESSING - FIBER (1001 TO 4500 WATTS)	3458.126
LASERS FOR 2D MATERIAL PROCESSING - FIBER (OVER 4500 WATTS)	3458.127
LASERS FOR 2D MATERIAL PROCESSING - OTHER	3458.128

**3D MATERIALS & OTHER PROCESSES BY LASER, WATERJET OR PLASMA**

LASERS (EXCL. 2D MATERIAL PROCESSING) - TUBE AND PIPE	3458.116
LASERS (EXCL. 2D MATERIAL PROCESSING) - MARKING, CLADDING, DRILLING, ETC.	3458.117
3D MATERIAL PROCESSING- WATERJET	3458.115
3D MATERIAL PROCESSING- OXYFUEL/PLASMA	3548.118
3D MATERIAL PROCESSING- OTHER	3458.119

**OTHER MANUFACTURING TECHNOLOGY**

**ADDITIVE MACHINES**

DIRECTED ENERGY DEPOSITION (DED)	3589.201
FUSION / LAMINATION / PHOTOPOLYMERIZATION	3589.203
MATERIAL & BINDER JETTING	3589.204
MATERIAL EXTRUSION	3589.202

**INSPECTION EQUIPMENT**

CMMS - VERT MANUAL, PARTS TO 12" CUBE	3545.501
CMMS - VERT MANUAL, PARTS OVER 12" TO 40" CUBE	3545.502
CMMS - VERT MANUAL, PARTS OVER 40" CUBE	3545.503
CMMS - VERT DCC, PARTS TO 12" CUBE	3545.504
CMMS - VERT DCC, PARTS OVER 12" TO 40" CUBE	3545.505
CMMS - VERT DCC, PARTS OVER 40" CUBE	3545.506
CMMS - HORZ - MANUAL	3545.508
CMMS - HORZ - DIRECT COMPUTER CONTROL	3545.509
CMMS - OPTICAL COMPARATORS	3545.511
VIDEO SYSTEMS- CNC	3545.580
VIDEO SYSTEMS- MANUAL	3545.585
TOOL PRESETTERS	3545.595

**ASSEMBLY OR TEST EQUIPMENT**

ASSEMBLY OR TEST EQUIP - ASYNCHRONOUS	3549.211
ASSEMBLY OR TEST EQUIP - SYNCHRONOUS	3549.213

**CLEANING EQUIPMENT**

CLEANING EQUIP - SOLVENT DEGREASING	3559.874
CLEANING EQUIP - AQUEOUS WASHING	3559.878

**FILTRATION**

FILTRATION	3569.399
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**STEREOLITHOGRAPHY**

RAPID PROTOTYPING - ALL TYPES	3599.989
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**COMPOSITE MACHINES**

COMPOSITE MACHINES	3599.991
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**SYSTEMS/ENGINEERING SERVICES AND EQUIPMENT**

SYSTEMS/ENGINEERING SERVICES	5000.000
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**SOFTWARE**

SOFTWARE (CAD/CAM, ESTIMATING, ETC.)	7373.990
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**U.S. Manufacturing Technology Orders**

*A joint statistical program of AMT and AMTDA*

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**MACHINE DESCRIPTION**

**CODE**

**ROBOTS**

ROBOTS

3569.909

**BARFEEDERS**

BARFEEDERS

3579.201

**OTHER MANUFACTURING TECHNOLOGY EQUIPMENT**

OTHER (NOT METAL CUTTING OR METAL FORMING)

9999.999

REBUILDING OTHER THAN CUTTING & FORMING MACHINES

9999.990