



YOUR CONTRACT AND CUSTOM MANUFACTURING NEEDS FROM A-Z

The list below proves that the BTD list of capabilities is a long one. Many of our customers choose us because of our vast range of contract and custom manufacturing capabilities.

Whether you need to partner with BTD to engineer and manufacture one component of a larger project or you need BTD to handle a metal fabrication project from start to finish, we are the job shop that can make it happen.

The BTD Suite of Manufacturing Capabilities

- Assembly
- Finishing
- Tooling
- Stamping
- Fabrication
- Tubing
- Welding
- Machining
- Quality Control

Investing in Metals Innovation

Every year BTD invests in metal fabrication innovation. Whether it's partnering with another leader in our industry or developing a new metalworking solution, it's our intention to stay in front of your contract and custom manufacturing needs.



FIRST CLASS WORK FOR WORLD-CLASS BRANDS

It is said you are judged by the company you keep. With that in mind, BTD is proud to serve some of the best brands in their respective industries.

Our work with these companies is strictly confidential, but you can see the locations of some of the top brands we work with below:



Canada



Mexico





ASSEMBLY

Automated Assembly

- (2) - Automated self-piercing riveting Machines
- (2) - With ABB robots (MN)

Insertion Machines

- (2) - Auto-Sert AS-7.5 insertion machine, 20" throat depth, 300 to 15,000 lb force range (MN)
- (2) - Haeger 824 One Touch 3 multi bowl insertion machine, 24" throat depth, 1,000 to 16,000 lb force range (MN, GA)

Other Assembly Capabilities

- (2) - self piercing riveting machine, joint thickness 1mm to 6mm steel/ 1mm to 10mm aluminum, 20" throat depth (MN)



FINISHING & PAINTING

Belt Sanders

- (1) - Timesaver 36" wide belt sander (MN)
- (1) - Time Saver 12" wide belt sander (MN)

Blasting

- (2) - Wheelabrator table type blast finishing machine, 96" diameter table, media auger, media return (IL, GA)
- (1) - Wheelabrator air blast room, single end entry, double swinging doors, 20' x 40' x 14' high inside dimensions, roof slot, sand or steel shot capable (IL)

Painting

- (1) - GAT In-Line Automated 7-Stage Wash System, Envelope size 15' x 6' x 4', GAT Conveyor System,, Wheelabrator 8-Wheel Post Blast Monorail Machine, GAT Dry-Off Oven, GAT Gel Oven,GAT Cure Oven Nordson Excel 3002 Powder Primer Booth, Nordson ColorMax 15750CFM 2 Cube Top Coat Booth (MN)
- (1) - Deyco In-Line Automated 10-Stage with A-Coat and Wash System, Envelope size 9' x 5' x 42", Deyco 3" Trolley Conveyer System 10 FPM, Deyco Overhead Dehydration Dry-Off Oven: Natural Gas,Nordson Model ColorMax/E In-Line Powder Booth with 8-Automatic Spray Heads and touch up guns, Deyco Overhead Powder Coat Cure Oven; Natural Gas (GA)

Tumblers

- (8) - Tumblers up to 20 cubic foot capacity (MN, GA)



TOOLING

EDM Hole Drills

- (2) - Agie Charmilles Drill 11, 15.75" x 11.8" table size (MN)

EDMs

- (1) - Agie Charmilles 440 Robofil, 13.7" x 21.5" table size, auto threader (MN)
- (1) - Agie Agicut Challenge 3, 21.5" x 33.5" table size, auto threader (MN)
- (1) - Agie Agicut Progress 3, 21.5" x 33.5" table size, auto threader (MN)
- (2) - Agie CUT P800 Pro, max workpiece dimensions (L x W x H) 51.18" x 37.4" x 20.07" (MN)
- (1) - Fanuc Alpha C600iA-12" 15.7" x 23.6" table size, auto threader (GA)
- (2) - Agie CUT P550 Pro, max workpiece dimensions (L x W x H) 47.24" x 27.56" x 15.75" (MN)
- (5) - Heat Treat Ovens (MN, IL, GA)

Manual Equipment

- (9) - Geared head drill presses (MN, IL)
- (10) - Radial arm drill presses (MN, IL, GA)
- (13) - Surface Grinders (MN, IL)
- (18) - Hydraulic Grinders up to 20" x 60" (MN, IL)
- (2) - Blanchard Grinders up to 60" (MN)
- (1) - Medina End Grinder (MN)
- (17) - Vertical Mills all with digital readouts (MN, IL, GA)
- (2) - Horizontal Mills (MN)
- (6) - Engine Lathes up to 28" x 60" (MN, IL)
- (3) - Horizontal Band Saws (MN)
- (5) - Vertical Band Saws (MN, IL)

Tryout Presses

- (1) - Version 600 ton, 60" x 108" bed size (MN)
- (1) - Version 500 ton, 60" x 108" bed size (MN)
- (1) - Warco 350 ton, 60" x 96" bed size (MN)
- (1) - Bliss 300 ton, 48" x 72" bed size (MN)
- (1) - Warco 300 ton, 42" x 73" bed size (MN)
- (1) - Minster 150 ton, 45" x 60" bed size (MN)
- (1) - Komatsu 110 ton, 24" x 43" bed size (MN)



(1) - PA Industries SRF M32 electronic servo controlled feeder (MN)

Coil straightener's to 36" wide (MN)

Coil reels with capacities up to 10,000 lbs (MN)

Vertical Machining Centers

(1) - Mazak VARIAXIS 730-5X, 5 axis, 10k spindle, CAT 50, 28.7" x 33.4" table travel, 120 tool ATC, 1000 psi coolant thru, 1102 lb table capacity (GA)

(1) - Mazak VTC 300C, machine travel X65" Y30" Z26" 10,000 RPM spindle, CAT 40, 24 tool ATC, 3,000 lb table capacity, thru spindle coolant (GA)

(1) - Toyoda RB-312 Double Column Vertical Machining Center, CAT 50, 10,00 RPM spindle, 40 tool ATC, 1,000 psi coolant thru, 13.3" x 118" table size, 9,900 lb table capacity (GA)

(2) - Toyoda SB 316 Double Column Vertical Machining Center, Cat 50 – 12000 RPM Spindle, 60 tool ATC, 1000 PSI Coolant thru, 118" x 59" table size, 22000 lb capacity (MN)

(1) - OKK VM5III Vertical Machining Center, Cat 50 – 10000 RPM Spindle, 30 tool ATC, 1000 psi coolant thru, 22" x 41" table size 1760 lb capacity (MN)

(1) - DMG Mori DMC 85 monoBLOCK, HSK-A63 taper, 20,000 RPM spindle, 120 tool ATC, 24.8" x 24.8" pallets, 6 pallet changer (MN)

(1) - Supermax V116B, 6k spindle, CAT 50 Taper, 23.5" x 47" table travel, 24 tool ATC, 2646 lb table capacity (MN)

(1) - Supermax TV146B, 10k spindle, CAT 50 Taper, 23.5" x 59" table travel, 40 tool ATC, 3307 lb table capacity (MN)

(2) - YCM TV-146B, 6000 RPM spindle, CAT 50 Taper, 24" x 55" table travel, 40 tool ATC, 1000 PSI coolant thru spindle, 3300lb table capacity (MN)

(1) - Makino PS95, 14k spindle, CAT 40 taper, 20" x 36" table travel, 30 tool ATC, 1,323 lb table capacity (MN)

(1) - Makino PS105, 14k spindle, CAT 40 taper, 20" x 41.3" table travel, 30 tool ATC, 1,760 lb table capacity (MN)

(1) - Haas TM-1P Tool Room CNC Vertical Mill, Cat 40, 6000 RPM Spindle, 47.75" x 10.5" table, 30" X travel, 16" Y travel (MN)

(1) - YCM DCV2012B, 10K spindle, BT 50 taper, 43.3" x 78.74" table travel, 60 tool ATC, 8818 lb table capacity (IL)

(1) - YCM NSV 102A, 12,000 RPM spindle, BT 40 taper, 40.16" x 23.62" table travel, 30 tool ATC, 2,205 lb table capacity (IL)

Horizontal Machining Centers

(1) - Mori Seiki NH5000 HMC, 2/19.69" pallets, machine travel X 24.8", Y 23.6", Z 26.4", 14000 RPM Cat 40 taper, 60 station ATC, 1100 lb pallet capacity (IL)



Water Jets

(1) - Omax 5555, 40 hp/60,000 psi pump, table size 80" x 65", work envelope size(X) 55" x (Y) 55" x (Z) 8", repeatability +/-0.0013", max work piece load 250lbs/sq. ft. (MN)

STAMPING

45 Ton Punch Presses

(1) - Komatsu blanking press, bolster size 17.75" x 31.50", feed line max width 12" x .125" thickness, 6" x .180" x 6" thickness (MN)

(1) - Komatsu blanking press, bolster size 17.75" x 31.50", feed line max width 8" x .074" thickness (MN)

60 Ton Punch Press

(1) - Stamtec forming press, bolster size 35.50" x 19.75" (MN)

80 Ton Punch Presses

(3) - Komatsu forming press, bolster size 23.50" x 39.375" (MN, GA)

110 Ton Punch Presses

(2) - Komatsu blanking press, bolster size 27.50" x 43.375", feed line max width 18" x .021 -.187 (MN, GA)

(1) - Komatsu blanking press, bolster size 27.50" x 43.375", feed line max width 18" x 105" thickness, 6" x .209" (MN)

(1) - Komatsu High Speed blanking press, bolster size 27.50" x 43.375", feed line max width 18" x .105" thickness, 8" x .179" (MN)

(3) - Komatsu forming press, bolster size 27.50" x 43.375" (MN, GA)

120 Ton Punch Presses

(2) - Seyi SN1-121 forming press, bolster size 45.30" x 26.80" (MN, GA)

150 Ton Punch Presses

(1) - Komatsu blanking press, bolster size 31.50" x 49.25", feed line max width 18" x .179" thickness, x 6" (MN)

(1) - Komatsu Servo Drive blanking press, bolster size 31.50" x 49.25", feed line max width 18" x .021" – 18" x 135" (MN)

(1) - Komatsu Forming press press, bolster size 30" x 82.375" (MN)



200 Ton Punch Presses

- (1) - Komatsu blanking press, bolster size 35" x 57", feed line max width 24" x .075" thickness, 8" x .187" thickness (MN)
- (1) - Komatsu blanking press, bolster size 35" x 57", feed line max width 24" x .105" thickness, 6" x .209" thickness (MN)
- (1) - Aida blanking press, bolster size 33" x 95.20", feed line max width 36" x .200" thickness, 14" x .179" thickness (MN)
- (1) - Komatsu blanking press, bolster size 24" x 43", feed line max thickness 36" x .125" (MN)
- (1) - Komatsu forming press, bolster size 24" x 60" (MN)

250 Ton Punch Presses

- (1) - Komatsu blanking press, bolster size 37.40" x 106.20", feed line max width 36" x .125" thickness, 24" x .187" thickness (MN)
- (1) - Komatsu blanking press, bolster size 37.40" x 106.20", feed line max width 36" x .125" thickness, 24" x .187" thickness (MN)
- (1) - Komatsu blanking press, bolster size 37.40" x 106.20", feed line max width 36" x .125"-.312" thickness (GA)

300 Ton Punch Press

- (2) - Komatsu H2W 300S servo press, bolster size 47.20" x 94.50", feed line max width 36" x .187" thickness, 12" x .250" (MN, GA)

400 Ton Punch Press

- (2) - Komatsu blanking press, bolster size 60" x 120", feed line max thickness .187" x 24"-.500" x 12", 30,000 lb coil reel (MN, GA)

600 Ton Punch Press

- (1) - Blow blanking press, bolster size 60" x 120", feed line max width 36" x .021" thickness, 10" x .187" thickness (MN)

700 Ton Punch Press

- (1) - Aida DSF 700 ton servo press, bolster size 60" x 144", feed line max width 42" x .187" thickness, 24" x .250" thickness, 40,000lb coil reel (MN)

800 Ton Punch Press

- (1) - Komatsu blanking press, bolster size 60" x 120", feed line max thickness .250" x 60"-.375" x 10", 40,000 lb coil reel (MN)

Leveler

- (1) - Herr-Voss leveler, max width 36" x .090" thickness, 10" x .190" thickness (MN)
- (1) - Arku Flat Master 55, Material width 3.9" – 31.5", .02" - .500" thickness (MN)



FABRICATION

Lasers

- (2) - Trumpf TRULASER 5030, 5000 watt Fiber, table size 60" x 120", max work piece weight 2044 lbs, max material thickness 1.00" steel, .750" stainless steel, .500" aluminum (MN)
- (1) - Trumpf TRULASER 5030, 5000 watt CO2, table size 60" x 120", max work piece weight 2044 lbs, max material thickness 1.00" steel, .750" stainless steel, .500" aluminum (MN)
- (2) - Trumpf TRULASER 5030, 10,000 watt Fiber, table size 60" x 120", max material thickness 1.00" steel, .750" stainless steel, .500" aluminum (MN)
- (2) - Mitsubishi ML 3015LEX 4500-Watt CO2 Sheet laser, table size 60" x 120", Max material Steel 1", stainless steel .760, aluminum .500 (MN, IL)
- (2) - Mitsubishi MLO3015 eX – F60 6000 Watt Fiber sheet laser, table size 60" x 120", Material thickness steel 1", stainless steel 1", aluminum 1" (GA)
- (1) - Mitsubishi ML3015 SRF40 4000-Watt Fiber sheet laser, table size 60" x 120", Material thickness steel .750", stainless steel .500", aluminum .500" (MN)
- (4) - Mitsubishi ML 3015 GX-FD 10,000 watt fiber sheet laser, table size 60" x 120", Material thickness steel 1", stainless steel 1", aluminum 1" (GA, IL, MN)

Press Brakes

- (1) - Pacific K-600-11, 600 ton, bending length 168" (IL)
- (1) - Amada HG 2204 ATC, 240 ton, bending length 169.3" (GA)
- (2) - Cincinnati 230 PF +12, 242 ton, bending length 168" (MN, IL)
- (1) - Cincinnati 230AF, 230 ton, bending length 144" (IL)
- (1) - Cincinnati 230MX, 230 ton, bending length 144" (MN)
- (1) - Cincinnati 175 AF, 175 ton, bending length 120" (IL)
- (1) - Cincinnati 175 PF, 175 ton, bending length 120" (GA)
- (3) - Cincinnati 135PF, 135 ton, bending length 120" (MN)
- (1) - Amada HG1003 ATC, 110 ton, bending length 122" (MN)
- (4) - Cincinnati 90 MX6, 90 ton, bending length 96" (MN, IL)
- (2) - Safan 40-1600, 40 ton, bend length 100" (MN, IL)
- (5) - Safan 80-2550, 80 ton, bend length 100" (MN, GA)
- (1) - Cincinnati 60AF+4, 60 ton, bed length 48" (MN)
- (1) - Accupress 7606, 60 ton, bending length 72" (MN)
- (4) - Safan 50-2050, 50 Ton, bending length 80" (MN, GA)
- (1) - Diamond BB 306, 30 Ton, 25" bed length (MN)
- (1) - Toyokoki APB-2864, 28 ton, bending length 23.62" (MN)



Robotic Press Brake Cells

- (2) - Safan 40-1600, 40 ton, bend length 100" with Fanuc robot (MN)
- (3) - Safan 80-2550, 80 ton, bend length 100" with Fanuc robot (MN, GA)
- (1) - Cincinnati 150HX, 150 ton, bending length 120" with Fanuc Robot (GA)

Rolling

- (1) - Bertsch Plate roll 1/4" x 6' (IL)

Shears Power Squaring

- (1) - Cincinnati 2510 power squaring shear, mechanical type, 10' x 3/8" capacity in mild steel, 10' x 1/2" capacity in stainless steel, 50 strokes per minute, front operated power back gauge 36" range, 8' squaring arm (MN)
- (1) - Accushear 625010 power squaring shear, 10' x 1/4" capacity in mild steel, 10' x 3/8" capacity in stainless steel, 48 strokes per minute, CNC back gauge 36" range, 8' squaring arm (MN)

TUBING

Band Saws

- (1) - Daito GA260W, capacity 11.8"W x 7"H, horizontal band saw (MN)
- (2) - Hyd-Mech H-14A, automatic, capacity 14"W x 14"H, horizontal band saw (MN, GA)
- (1) - Hem-Saw VT-130HA-60, 16" x 16" round capacity, tilt frame, 60 to 400 FPM, vertical band saw (IL)
- (1) - Doall DCD8-75 CNC horizontal mitring saw, 19.5" capacity, 65-328 fpm (IL)

Cold Saws

- (1) - Scotchman 315HT, manual, ferrous, 16" blade (MN)
- (1) - Behringer PSU-450-GS, up cut, semi-automatic, ferrous, 17.7" blade (MN)

End Former

- (1) - Eagle Precision, reducing and expanding, max tube size 3.00" round, wall thickness of .125" (MN)



Tube Benders

(3) - BLM E-Turn 52, fully electric, right and left hand bending with fixed and variable radius, multi stacked tooling (up to 6 stacks), max tube O.D. capacity 2" x .060" wall (MN)

(1) - BLM Elect 150, right/left hand bending, compound tooling, variable radius tooling, multi stacked tooling (up to 4 stacks), max round 5.91" x .150" wall thickness, max square 4" x .150" wall thickness, 130" length from colletto pusher (MN)

(1) - BLM ELECT-102BH, right and left hand bending with fixed and variable radius, max tube O.D 4" x .09" wall, max tube length 177.2" (MN)

(2) - Pines 40, left hand bending, compound tooling, Max Centerline Bend Radius, max round 1.50" with a .109" wall thickness, max square 1.125" with a wall thickness of .109", max tube length 120" (MN)

Tube Lasers

(1) - BLM LT FIBER, 2000 watt, round tube size .500" to 5.50", square tube size .500" to 5", rectangle tube size .500" to 5", max material thickness .315" steel, .236" aluminum, .197" stainless steel, .197" Brass .118" copper, max tube length 27'-10", weld seam detection (MN)

(1) - BLM LT722D, 2500 watt, round tube size .472" to 5.50", square tube size .472" to 4.72", rectangle tube size .472" to 5.11", max material thickness .375" steel, .250" aluminum, .250" stainless steel, max tube length 27'-10", weld seam detection (MN)

(2) - BLM LT7 4000 Watt Fiber tube laser, round tube size .500" to 6", square/rectangular tube size .5" to 6" max diagonal 8.5", max material thickness steel .472" O2 .196" N2, aluminum .236", stainless .236", max tube length 27'-10", weld seam detection (MN)



WELDING

Pre Heat Ovens

(6) up to 6' x 6' x 6' (MN, IL, GA)

Resistance Welders

(15) - Spot Weld Inc. press type, 100 KVA, (MN, IL, GA)

(1) - Precision AVA-2X press type, 150 KVA (IL)

(16) - Dengsha auto nut feed systems, 6mm, 8mm, and 10mm, hex and square nuts (MN, GA, IL)

Automated Resistance Welding Cells

(2) - Spotweld Inc press type with fanuc robots, 6mm & 8mm nut feeders (MN, GA)

Robot Welders

(2) - ABB 1660ID 500 C turn table single arm robotic welder, part envelope size 36" x 15", Miller Auto Continuum 350A power supply. (MN)

(1) - ABB Flex Arc IRB R-300 1660 single arm robot welder with turn table & trunnion, part envelope size 63" wide x 39.37" deep, Fronius TPSI 500 power supply – for aluminum welding (MN)

(14)-ABB Flexarc 600R dual arm with trunion, part envelope size 78" W x Ø47", 2 Miller Axxess 450 or Continuum 500 power supplies (MN, GA, IL)

(1) Genesis Versa system, sub arc, trunion type, part envelope size 36" x 60", Idealarc CV-40C power supply (IL)

(1) ABB Flexarc 1000K dual arm with trunion, part envelope size 157"W x Ø55", 2 Miller Axxess 650 power supplies (IL)

(9)-ABB Flex Arc IRB R-300 1660 single arm robot welder with turn table & trunnion, part envelope size 63" wide x 39.37" deep, 1 Miller Axxess 450 or Continuum 500 power supplies (MN, GA, IL)

(1) - ABB Flex Arc IRB K-1000 1660 dual arm robot welder with turn table & trunnion, part envelope size 98.43" wide x 55.12" deep, Miller Auto Continuum 500A power supply(MN)

(1) - Cloos QIROX6 Cloos robotic welder, 7th axis robot, Cloos turntable 2 position, video camera system (IL)

(2) - BTD Fanuc single arm weld cell, Fanuc 100iD/12 arm, turn table and trunion positioner, part envelope size 63" wide x 39.37" deep, Miller auto Continuum 500 power supplies (GA)

(1) - BTD fanuc dual arm weld cell, Fanuc 100iD/10L arms, ferris wheel positioner, part envelope size 98.43" wide x 55.12" deep, Miller Auto Continuum 500A power supply (GA)



Stud Welders

- (1) HBS Stud welder with auto feed, welding range #4 to 5/16" – M3 to M8 (MN)
- (3) Midwest Fasteners CD100 stud welder

Stress Relieving Furnace

15' x 15' x 20' tall stress relieving furnace

Weld Cells

(61) - Steel, stainless, aluminum, mig, tig, latest model Miller welders, dual schedule, dual feeder, pulse, dual shield, and sub-merged arc (MN, IL, GA)

Weld Positioners

(20) up to 24,000 lbs (IL)



MACHINING

Gantry Mills

(1) - Quickmill Eliminator Bridge Mill, machine travel X238" Y200" Z40", 6000 RPM, CAT 50 taper, high pressure coolant, 90 degree head, 40,000 lb table capacity (IL)

Horizontal Boring Mills

(1) - Kuraki KBT-13-A, 5.25" spindle diameter, 63" x 71" table, 2500 RPM, 60 tool ATC, CAT 50 taper, 26,400 lb table capacity (IL)

Horizontal Machining Centers

(1) - Mazak Nexus 6000, machine travel X31.5" Y31.5" Z31.5", 7,000 RPM spindle, CAT 50 taper, 43 tool ATC, 2204 lb pallet capacity, 1000 psi thru spindle coolant, 500mm x 500mm pallet (MN)

(1) - Mazak Nexus 6000, machine travel X31.5" Y31.5" Z31.5", 10,000 RPM spindle, CAT 50 taper, 240 tool hive ATC, 2204 lb pallet capacity, 1000 psi thru coolant spindle, 500mm x 500mm pallet (MN)

(1) - Toyoda FH1000 SX HMC, 2/39.4 x 31.5" pallets, machine travel x 24.8", Y 23.6", Z 26.4", 14000 RPM GAT 40 taper, 60 station ATC, 1100 lb pallet capacity (IL)

(1) - Toyoda FH1250SW, 49" x 49" pallets, machine travel X86" Y59" Z72", 3000 RPM, CAT 50 taper, 60 tool ATC, 11,000 lb pallet capacity (IL)

(1) - Toyoda FH5500S, 21.65" x 21.65" pallets, machine travels X35.43" Y31.49" Z34.65", 15,000RPM spindle, CAT 50 big plus taper, 60 tool ATC, 1,000 psi thru coolant spindle, 2,200 lb table capacity (IL)

(2) - Doosan DBC 130, 5.1" spindle diameter, 63" x 70.8" table, 2500 RPM, CAT 50 taper, 60 tool ATC, 33,000 lb table capacity (IL)

Vertical Machining Centers

(3) - Toyoda FV-1680, machine travels X63" Y31.5" Z31.5" 6,000 RPM spindle, CAT 50 taper, 40 tool ATC, 4,400lb table capacity, 1000 psi thru spindle coolant (IL)

(1) - Mazak VTC 300, machine travel X65" T30" Z26" 12,000 RPM spindle, CAT 40 taper, 24 tool ATC 3,000 lb table capacity, thru spindle coolant, 4th axis indexer (MN)

(1) - Mazak VTC 250 D/50, machine travel X69.3" Y25" Z25.9" 6,000 RPM Spindle, CAT 50 taper, 24 Tool ATC, thru spindle coolant, probe, 4th axis indexer, 2,600 lb table capacity (MN)

(1) - Doosan VC 430, machine travel X22" Y16.7" Z22.4" 12,000 RPM Spindle, CAT 40 Taper, 40 tool ATC, thru spindle coolant, pallet changer, 660 lb pallet capacity (MN)

(1) - Mazak VCN-530C VMC, table size 51.18" x 21.66", machine travel X 41.34", T 20.88", Z 20.88", CAT 40 Taper 15000 RPM, 30 Station ATC, (GA)

(1) - Mazak Model VCN Nexus 510C-II CNC Vertical Machining (GA)



Turning Centers

- (1) - Mazak Integrex, opposing twin spindles, 12" chuck main spindle, 10" chuck sub-spindle, 2.7" draw tube, 3.46" spindle bore, 3,500 RPM spindle speed, 6,000 RPM live tool speed, 40 tool magazine (MN)
- (1) - Mori Seki SL-15, collet chuck up to 2", 1.50" draw tube, 6,000 RPM max spindle speed, bar puller, turret style tool changer (MN)
- (1) - Mori Seki ZL-250, twin spindle, 10" chuck main spindle, 6" chuck sub spindle, twin turret, 2.5" draw tube, collet chuck up to 2.5", 6,000 RPM spindles, bar puller (MN)
- (1) - Mori Seiki SL75B, 29.92" Max turning diameter 29.92", Max length 68.92", 1010 RPM, 6" spindle bore, 12 position turret, live tooling, programmable tailstock (IL)
- (1) - Mori Seiki SL403, Max turning diameter 24.4", Max length 44.33", 3000 RPM, 12 position turret, live tooling, programmable tailstock (IL)
- (1) - Takisawa LX-2500Y, Max turning diameter 16.5", Max length 24.5", Live tooling, 3500 RPM, 12 station turret, programmable tailstock (IL)
- (5) - Haas ST-20SSY, Max turning diameter 10.00", Max length 21.00", 5000 RPM, 3.50" spindle bore, 24 position turret, 6,000 RPM live tool, programmable tailstock, bar support (MN, GA, IL)

Automated Turning Centers

- (1) - Haas ST-20SSY with Fanuc robot, Max turning diameter 10.00", Max length 21.00", 5000 RPM, 3.50" spindle bore, 24 position turret, 6,000 RPM live tool, programmable tailstock, bar support (MN)

Vertical Turning Lathes

- (1) - YouJi YV-1200ATC+C, 53.14" max turning diameter, 47.24" max height, 2400 RPM, 12 position turret, 11,000 lb table capacity (IL)



QUALITY CONTROL

- (11) – Faro Arms, 6 @ 8', 1 @ 10', 2 @ 12', 2 @ 13' (MN, IL, GA)
- (3) – Faro Arm 12' reach with 3D Scanner capability (MN)
- (1) – Faro Vantage laser Tracker (IL)
- (1) - Brown & Sharp CMM, 26.6" x 39.4" x 25.6" (MN)
- (1) - Deltronic Optical Comparator (MN)

PACKAGING & WAREHOUSE

Returnable Containers

Hand totes up to 6.75"H x 13"W x 45"L

Bulk Plastic containers up to 34"H x 48"W x 64.50"L

BTD can build custom returnable containers to suit your manufacturing requirements

Warehouse/Shipping Capabilities

Parts Picker

3 - Wheel Sit-downs 5000 lb capacity

4 – Wheel sit down forklifts 6000 lb capacity

4 – Wheel sit down forklifts 15000 lb capacity

Stand-up Reach Trucks

Raymond Swing-reach Trucks

Ottawa Commando 30-yd Tractor

Great Dane "Air-Ride" Vans