

Dill Brothers, Inc.

Manufacturers of Special Machines and Precision Parts



Lake County's Finest Heavy Fabricating and Machining Job Shop

Grinding and Drilling Equipment

Grinders

Do-All Surface Grinder

8" x 24"

Drills

6 Spindle 1" Capacity Powermatic

Ooya Radial Drill

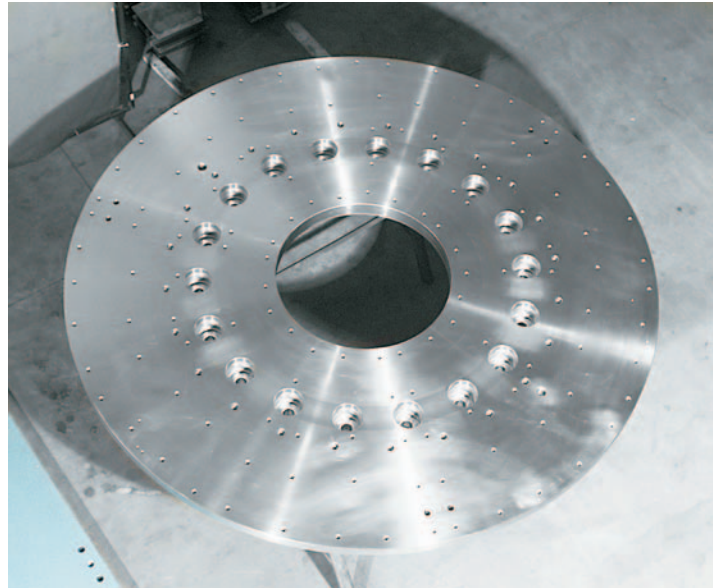
2" capacity

Three Avery 7/8" Capacity, 24" x 24" Tables

Johansson Radial

Cincinnati Bickford Super Service Radial Drill

8' radius, 19" column



Turning Equipment

Weipert Model #W1101E

50" swing (35" over cross-slide)

20' between centers

Hollow spindle engine lathe

Sony Magnescale readouts (full travel)

Okuma #LH35-N CNC Lathe

24" swing x 60" length

Okuma #LC20-2ST CNC Chucker

4 axis

11³/₄" swing x 9" length

Pratt & Whitney Star Turn 1800

Universal CNC Lathe, 34" swing, 72" between centers, Allen Bradley 8400LP control

Warner-Swasey #4 Turret Lathe

2" bar capacity

18" swing

Jupiter Model H.E.S. #830 Lathe

20" swing x 204" length

Tracer attachment

Mori-Seiki Engine Lathe

21" swing x 80" length

South Bend Engine Lathe

12" swing x 36" length

American Engine Lathe

19" swing x 126" length

Morando Model #KS-30 Vertical Boring Mill

130" swing x 94" height, 4 axis

Heidenhain scale readouts

King 72" Vertical Boring Mill

Welding Equipment

- (1) Miller Pulstar 450 Wire Welder
 - (2) Miller Heli-Arc Welder
300 amp (TIG)
 - (1) OTC Turbo Pulse
With two water cooled wire welders
 - (1) Airco Aluminum Wire Welder (MIG)
 - (2) Miller Wire Welders
250 amp (mig)
 - (2) Miller Arc Welders
200 amp (stick)
 - (3) Miller Dimension 400 Welders
 - (2) Large Capacity Positioners
20,000 lb. plus
- Various Smaller Positioners And Rotary Tables



Miscellaneous Equipment

6" Capacity Flame Cutting Torches Gas Torches For:

- Silver Solder
- Stainless Welding
- Aluminum Welding

Plasma Torch NU-Tecsys Model #PCA 40-150

- Stainless Steel Cutting

Mitts & Merrill #3A Keyseater

System 65 Vibratory Stress Relief System

14' x 26' x 15' Paint Booth

We also have a full complement of tooling, setup tables for welding, clamps, large capacity air lift rotary tables for the boring mills, cutting tools, and measuring tools

Fully equipped with overhead cranes, including a 30 Ton P & H overhead bridge crane x 97' span and hoists with up to 40,000 pound capacity Fork truck capacities up to 30,000 pounds Manufacturing space of approximately 60,000 square feet

We have our own semi and straight trucks for local deliveries up to 40,000 pounds

Mastercam CAD/CAM system, with translators for IGES, DXF, CADL and other formats

Federal DCC CMM, Renishaw TP2/PH9 motorized probe, running QCT-3d measuring software, 48" X 60" measuring range

Boring Equipment

Nomura Model #B-85SR Table Type Horizontal Boring Mill

4" spindle
48" x 48" table
40" Y, 40" X & 40" Z travels with
built in rotary table
3 axis Anilam readouts

Nomura Model #B-100WP Table Type Horizontal Boring Mill

4" spindle
48" x 96" table
72" Y, 96" X, 43" Z travels
3 axis Sony Magnescale readouts

Nomura CNC 4 Axis Floor Type Horizontal Boring, Milling & Drilling Machine

Model #JNFB-150Q, Fanuc control, 150mm
spindle W/#50NT taper, 350mm milling quill,
72" X 504" table, 480" X axis travel, 96" Y
axis travel, 60" spindle (Z axis) travel, 50 h.p.



Gray Model #770P Planer Type Horizontal Boring Mill

7" spindle
96" x 218" table
108" Y, 220" X, 72" Z travels
75 h.p., 300,000 lb. table capacity
3 axis Heidenhain scale readouts

Giddings & Lewis #70-H6-T Table Type Horizontal Boring Mill

6" spindle
60" x 146" table
84" Y, 132" X, 134" W, 40" Z travels
G & L series 800 CNC control

Giddings & Lewis #70-H6-T Table Type Horizontal Boring Mill

6" spindle
72" x 158" table
108" Y, 144" X, 72" W, 40" Z travels
Retro-fitted in 1995 with a Siemens 840C
6 axis CNC control and Heidenhain scales
Scharmann CNC rotary table
D'Andrea CNC facing and boring head

Shibaura Model #BF-13AQ Floor Type Horizontal Boring Mill

5¹/₈" spindle
98" Y, 236" X, 35" Z travels
72" x 252" floor plate
3 axis digital readouts

Wotan Model B-105M Table Type Horizontal Boring Mill

4¹/₈" spindle
43" x 55" built in rotary table
63" Y, 55" X, 39" Z travels
3 axis Heidenhain scale readouts



Sawing and Fabricating Equipment

Saws

Do-All #1612-0 Vertical Band Saw
Two Marvel #8 Vertical Band Saws
Pehaka 8" Automatic Band Saw

Fabrication Equipment

Bertsch Bending Roll #11

$\frac{5}{8}$ " x 12 $\frac{1}{2}$ " x 8' capacity

20 Ton Hydraulic Press

Dreis & Krump 65 Ton Press Brake

Lansing O.M. 40 Ton Metal Worker

Pacific #500HD10 Shear

$\frac{1}{2}$ " x 120" capacity

Bliss 100 Ton Hydraulic Press



Milling Equipment

**Toshiba Model VMC-8, 4 Axis CNC
Vertical Machining Center**

Tosnuc control

40 tool ATC

34" Y, 63" X, 28" Z travels

**Kitamura Model Mycenter 5B, 3 Axis CNC
Vertical Machining Center**

Fanuc control, 30 tool ATC, 22" Y, 43" X,

23" Z travels

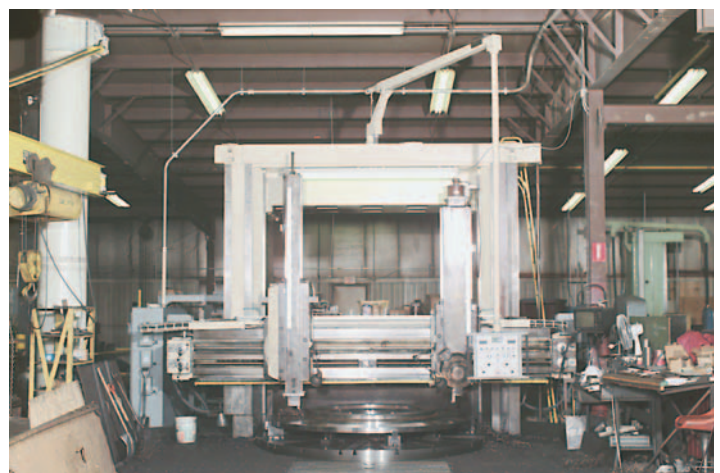
Milwaukee #4 Mill

18" x 82" table

Tree #2VG-C Mill

12" x 48" table

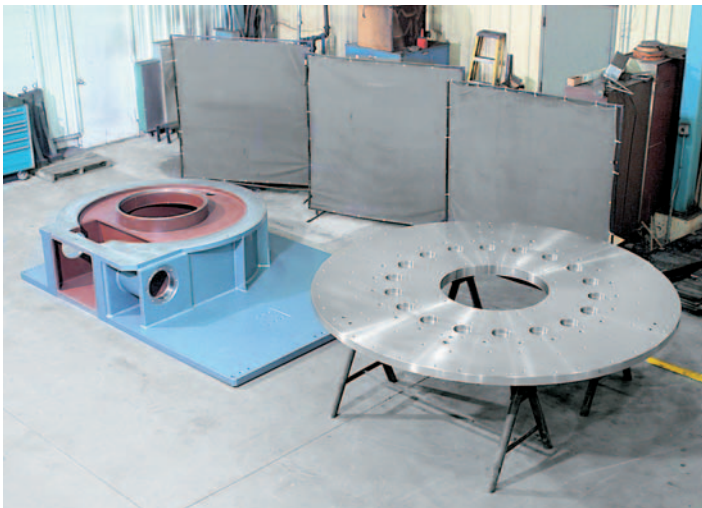
2 axis digital readouts



About Our Company

Dill Brothers, Inc. is a medium to large size fabricating and machining job shop. We have been in business continuously in Lake County, Illinois since the late 1950's and have built a solid reputation as an honest, high quality, dependable supplier to many of the largest and most successful companies in the area. We have continually striven to upgrade our facilities and equipment, as well as motivate and train our most valuable asset, our employees, to exceed the demands of the market.

This facility listing will acquaint you with the capacity of our company—additional equipment can be found on our Web site <www.dill-bros.com>. To determine our capability, give us a call or better yet, visit us to discuss your requirements. No project is too small and very few are too big. From raw stock through fabrication, machining and assembly, the staff at **Dill Brothers, Inc.** stands ready to help you with your needs.



Dill Brothers, Inc.

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