



PREFERRED TOOL & DIE CO., INC.

5400 WEST RIVER DRIVE, COMSTOCK PARK, MI 49321 (Grand Rapids)

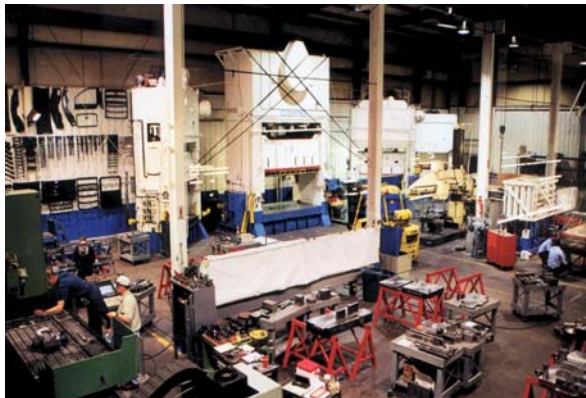


**Progressive Dies
Line Dies
Transfer Dies
Servo Transfers
Automation
CNC Machining
Wire EDM
Engineering
Design**

Mission Statement

The mission of Preferred Tool & Die is to serve customers in the sheet metal stamping industry and other related industries by providing products and services that best suit their goals.

To meet this goal Preferred will evaluate our customer's needs, evaluate our abilities and research available technology. This will assure that the most competitive methods are employed in the development of the manufacturing process and related tooling.



ISO 9000

Preferred Tool & Die's goal is to produce high quality products and services at competitive prices. To help achieve this goal Preferred is Certified ISO 9001:C2000.

5400 West River Drive, Comstock Park, Michigan 49321, (Grand Rapids) 616-784-6789

Engineering

Engineering enters into all aspects of the manufacturing process, from concept to build to tryout and installation.

At Preferred Tool & Die we employ sound engineering practices to assure the best process and product is provided to our customers.

Our Engineering Department has developed a diverse automation product line that can be incorporated into the tooling process. Automation products include in-die transfers, full three axis servo-transfers, blank destacker feeders, and part feeders.

We have the ability to combine dies with automation for the most complete process possible.

Preferred has been providing innovative stamping solutions since 1966. We would appreciate the opportunity to work with you on your next project.

Machinery & Equipment

<p><u>PRESSES:</u></p> <p>Clearing 750 ton 156" x 72" bed 50" Windows Max. Shut Height 62.5" Min. Shut Height 23.5" Strokes/min. 8 Stroke 24" Roll out bolster</p> <p>Clearing 400 ton 132" x 80" bed Air Cushion Max. Shut Height 36" Min. Shut Height 19" Strokes/min. 13 Stroke 30"</p> <p>Clearing 250 ton 84" x 60" bed Air Cushion Max. Shut Height 30" Min. Shut Height 24" Strokes/min. 12 Stroke 18"</p> <p>Verson 250 ton 96" x 50" bed area Air Cushion Max. Shut Height 26" Min. Shut Height 18" Strokes/min. 17 Stroke 14"</p>	<p><u>DRILL PRESSES:</u></p> <p>Carlton Radial 96" Arm, 19" Column Cincinnati Radial 64" Arm, 15" Column Hercules Radial 48" Arm, 12" Column UCIMV Radial 36" Arm, 12" Column Allen 8 speed Wilton Variable Speed</p> <p><u>GRINDERS:</u></p> <p>GR Wet Surface 16" x 47" Mattison Wet Surface 20" x 72" GR Wet Surface 8" x 24" Reid Surface 6" x 18" Okamoto Surface 6" x 14" Boyer Schultz Profile Medina End</p>
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CNC MILLING MACHINES:

Awea SP3016 CNC Bridge Mill

35Hp 6,000 RPM Spindle 120" x 63"y 30" z

Johnford DMC-1500H CNC Bridge Mill

25Hp 6,000 RPM Spindle 59" x 45" y 30" z

Makino A71 Horizontal CNC W/Pallet Changer

22Kw 10,000 RPM Spindle 29" x 29" y 31" z

MILLING MACHINES:

G&L Horizontal 60" x 60" y 48" z
5" Spindle

Cincinnati Vercipower Vertical Bed 50" x 18" y

50 HP
Willis Vertical Knee 34" x 10" y

Willis Vertical Bed 48" x 16" y

EDM:

Charmilles Technologies

Robofil 500 Wire EDM Travel 18" x 24" y 16" z

Work Space 27" x 47" y 16" z

INSPECTION:

Starrett/Faro Coordinate

W/CAD interface 40" x 28" y 18" z

Faro Articulating Arm Coordinate – Mobile

CAD interface 8' spherical diameter measuring area

LATHE:

Enterprise 15" x 40"

CAD/CAM:

Catia Solids Design Software
Knowledge Engineering Design Automation Software
Worknc 3d Programming Software
AutoCad Design Software
Cadkey Design Software
Surfcam CNC Programming Software
HP 750c Inkjet Plotter

MISCELLANEOUS EQUIPMENT:

(3) 10 Ton Bridge Cranes
(9) 3 Ton Hoists
48" Brake
48" Shear
Millermatic 251 Wire Welder
Acetylene Gas Welder
Air Products TIG Welder
Spot Welder
Marvel Series 8 C/O Saw 18" x 20"
Doall Contour Bandsaw 3 Wheel 36
Doall Contour Bandsaw 20" & 16"
Airco Planograph Burning Machine
Kalamazoo 8" Belt Sander
Brinell Hardness Tester
Rockwell Hardness Tester
Vega Tensile Tester 4,000 lbs capacity

Additional information can be found on our automation website at: **Diebotics.com**

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