



AS9100BC  
ISO9001:2008  
Certified

# PRECISION SHAPES, INC.

Women Owned  
and Operated

est. 1941

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## PRODUCTION FACILITIES LIST

*Precision Shapes, Inc.'s production facility consists of a 30,000 sq. ft. plant with equipment to provide the following contract/job shop manufacturing services in prototype, short and long runs.*

- *Specialized continuous long length milling department for cross-sectional machining of profile shapes from bar, extrusion and coil.*
- *CNC and conventional machining of finished and semi-finished parts.*
- *Secondary department for drilling, tapping, cut off, honing, grinding, surface conditioning and light assembly. Abrasive blasting with glass bead and silicon carbide media.*
- *Quality/Inspection equipment to support capabilities and customer quality requirements.*
- *Tool Room and tool grinding equipment for in-house design, build or or repair of tooling needs.*

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## MILLING MACHINES

1	CNC Mill Machines	Lagunamatic Model #310 Power Draw Bar, Programmable Spindle Speeds (work size: 14 x 27)
1	CNC Mill Machine – 50T	Mazak Model MTV655 (work size: 15 x 15 x 60)
1	CNC Mill Machine – 50T	Mazak Model MTV515 (work size: 15 x 15 x 40)
1	CNC Mill Machine – 40T	Mazak Model VTC-200B with Mazatrol (work size: 15 x 15 x 40)
1	CNC Mill Machine – 40T	Mazak Model VTC-16B with Mazatrol (work size: 15 x 15 x 40)
1	CNC Mill Machine – 40T	Mazak Model 640M Nexus 510CKY Control (work size: 15 x 15 x 40)
1	CNC Mill Machine – 40T	Nexus 510C-II
1	Mill Machine	Cincinnati 420/186 Special Hypowermatic 6' table travel, tracer controlled
1	Mill Machine	Cincinnati #2 MH, Universal
1	Mill Machine	Cincinnati #4-36 Hyrdomatic
1	Mill Machine	Kearny & Trecker Model 4CH Plain Miller, 15HP Vertical
1	Mill Machine	Kearny & Trecker Model K, Horizontal
1	Mill Machine	Kearny & Trecker #5H Horizontal with vertical head
3	Mill Machines	Kearny & Trecker #2H Horizontal
1	Mill Machine	Kearny & Trecker 15H, 3CK
1	Mill Machine	Van Norman #36 Universal
1	Mill Machine	Fritz-Werner 24" Horizontal
8	Mill Machines	Bridgeport 12/BR 2J
2	Mill Machines	Bridgeport Tracing Unit Model 3DJ, Dual Heads
3	Mill Machine	WH Nichols #6 Horizontal

## CONTINUOUS MILLING DEPARTMENT

The following milling machines are quipped with specially designed 20' to 30' draw benches.

2	Mill Machines	Cincinnati #4-48, horizontal
3	Mill Machines	Cincinnati #3-36, horizontal
9	Mill Machines	Cincinnati #3-24, horizontal
6	Mill Machines	Cincinnati #2-24, horizontal
2	Mill Machines	Cincinnati #2-18, horizontal
1	Mill Machine	US Multi, plain, horizontal

## PRODUCTION GRINDING EQUIPMENT

1	Surface Grinder	Brown & Sharpe 8" x 24" Micromaster Hydraulic
1	Surface Grinder	Do All 8" x 24"
1	Surface Grinder	Alpa Model RT 1000/E 12 x 40
1	Surface Grinder	Republic Lagun 6 x 12
2	Double End Bench Grinders	Bench Grinder 6"

## TOOL GRINDING EQUIPMENT

1	Tool Grinder	OK Universal #2
2	Cutter Grinders	Cincinnati #1
1	Cutter Grinder	Cincinnati #2 Filmatic
2	Cutter Grinders	Cincinnati #2
1	Cutter Grinder	Pratt & Whitney #R8, with radius attachment

2	Form Dresser Attachment	Optidress E
1	End Mill Grinder	Cuttermaster HD
1	Surface Grinder	Browne & Sharpe Micromaster #618
2	Surface Grinders	Chevalier 6 x 18 End Mill (Cutter Master)
1	Surface Grinder	Boyer Schultz
1	Surface Grinder	Brown & Sharpe 818 Micromaster Hydraulic
1	Wheel Former	Diaform

### *DRILLING and TAPPING EQUIPMENT*

1	Drill Press	Central Machine
1	Drill Unit	Dumore 28 Automatic
2	Drill Presses	Delta, single spindle
1	Drill Press	Delta, Sensitive, single spindle
1	Drill Press	Delta, Heavy Duty, single spindle
2	Drill Presses	Walker Turner, Heavy Duty, single spindle
1	Drill Press	Rockwell Delta #17
4	Drill Presses	Cincinnati, #16, single spindle
2	Drill Presses	Magna, single spindle
2	Drill Presses	Commander, #8 spindle, adjustable
2	Drill Presses	Powermatic
1	Drill Head	Thriftmaster, 4 spindle, adjustable
1	Tapping Machine	Hypneumatic Special Drilling & Tapping machine with 10" Allen Air index work feed table
1	Tapping Machine	Bakewell, automatic, single spindle
3	Tapping Heads	Commander, single spindle

## INSPECTION EQUIPMENT

1	CMM	Zeiss Contura
1	Comparator	Nikon Model 6C-Optical
1	Comparator	Shadowgraph Model 3
1	Surface Plate	Black Granite from 3' x 6'
5	Surface Plates	18" x 24"
4	Surface Plates	Granite 12" x 12"
1	Granite Plate	4' x 8'
2	Surface Finish Analyzer	Mitutoyo SJ201/Mitutoyo 211
1	Rockwell Tester	Wilson #3
various	Height Gages	(2) Cadillac "Pla-Check" (1) Brown & Sharpe "Pla-Check" (2) Mitutoyo 515-319 E Types, Starrett, B&S, Sine Bars, Gage Blocks, Protractors and other inspection bench equipment necessary for maintenance of high quality production
1	Conductivity Meter	Foster

## GENERAL EQUIPMENT

1	Lathe	Martin, 15" Swing, 46" between centers
1	Lathe	1440 Roskelley
1	Shear	Jet, PS-1652, 16GA x 52", Serial #8731 Stk #755202
2	Band Saws	Do-All Model 16-3 Contourmatic
1	Hem Saw	Hemsaw Model H90A-1
1	Cut-Off Saw	Kalamazoo
1	Power Saw	Kalamazoo Model #H9A
1	Power Saw	Kalamazoo Model #9AW
1	Power Saw	Delta, 8"
1	Wire Wheel Buffer	Standard #107, double spindle
1	Punch Press	Bliss #19C
1	Power Press	Service #0-A, Ronselle Type

1	Rivet/Bushing Hydraulic Assembly Press	Enerpac
1	Straightening Bench	Hurts, 16' with hydraulic controls
1	Vacuum Chuck	O.S. Walker #AXM-4277
2	Tumblers	Vibrodyne VE-100A
1	Evaporator	DRO, ADS-2 DRO System 13" x 36"
1	File Machine	All American Model #1500-S
1	Chamfer Machine	Christen Model KB2
1	Sand Blast Cabinet	2 Person Skat-Blast
1	Sand Blast Cabinet	Cyclone

### *MISCELLANEOUS EQUIPMENT*

Portable Grinders, Routers, Portable Welding Equipment, Arbor and Foot Presses, Octagon Tumbling Barrel, Air Compressors, Washing and Degreasing Equipment, Bridge Cranes, Swinging Cranes, Electric Hoists and all necessary material handling equipment.

### *QUALITY ASSURANCE*

Precision Shapes, Inc. maintains a quality management system certified to the international standard ISO9001:2008 and SAE aerospace standard AS9100. This system covers all activity related to the sales, manufacturing, production or services provided to our customers

This necessitates that all work performed for our customers be subject to inspections by Precision Shapes, Inc.'s Quality Department. We currently hold delegated/designated quality inspection status for Honeywell, Northrop-Grumman, Goodrich, GE Aviation, Unison Engine Components and L3 Communications.