

BYERS

PRECISION FABRICATORS, INC.



EQUIPMENT LIST 2021

Flatbed and 5-Axis Lasers in CO2 and Fiber - Punching - Milling - Shearing - Turning - Automated Sawing - Forming
Welding and Fabrication - ISO 9001:2015 Registered - NQA-1 Compliant

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PRECISION FABRICATORS, INC

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www.byersprecision.com

2021 Latest from Byers!

Trumpf T7040 Cell - 3kw 5-Axis Laser



SPECIFICATION:

3000 Watt TruDisk Fiber Laser

Working Range:

X axis: 4000 mm (157.4798 in.)

Y axis: 1500 mm (59.05494 in.)

Z axis: 750 mm (29.52747 in.) Dynamic Cutting Optics +/- 10 mm (0.39369 in.)

Axis Speed:

X/Y/Z Linear Axes: 100 m/min (3937 ipm)

Simultaneous Axes: 173 m/min (6811 ipm)

Max Repeatability:

X/Y/Z Linear Axes 0.03 mm (0.001181 in.) Rotation Axes B/C: 0.005 deg

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ENGINEERING SOFTWARE:

Cenit FastTrim
Gibbs Cam
Solid Works
Trumpf TruTops
Bysoft 7

LASER PROCESSING:

Bystronic ByStar 6kw Fiber with ByTrans Extended, 2 cassette automation solution
Trumpf L3050 5000 Watt CO2 with Lift Master
Trumpf T7040 5-Axis 3kw TruDisk Fiber, split cabin option
Prima Rapido 5-Axis 3500 Watt CO2

PUNCHING:

Trumpf Trumatic TC500R, Tool Rotation and Multi-Tool options

SHEARING:

Cincinnati CNC Programmable Shear

TURNING:

Haas Automation, TL-25
(30 horsepower, Sub-Spindle, Live Tooling, Programmable C-Axis)

MILLING:

Haas Automation, VF-4 Vertical machining center
(20 horsepower, 7500 RPM Max, Programmable C-Axis)

SAWING:

Marvel (Touch Tech) 20" Vertical Band Saw with 60 degree tilt, automation option

FORMING:

Trumpf TruBend 5320
(14'6" Bed, 352 Ton Press Brake with 6 axis backgauge, CNC crowning, power tool clamping)

Cincinnati Autoshape
(12' Bed, 2 axis, 230 Ton Press Brake)

Cincinnati 90 MaxForm 6
(90 Ton Press Brake w/8' bend length, 14" stroke, 18" throat w/ 6-axis CNC backgauge, programmable crowning, power tool clamping)

Pacific Pressformer II (150 Ton Press)

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WELDING EQUIPMENT:

(2) Amada 40 ST Resistance Welders
(5) Miller Dynasty 350 Tig Welders
(4) Miller 250 Syncrowave Tig Welders
(4) Tip Tig HW Welding Systems
Miller Invision 354 Mig Welder
Miller Invision 352 MPA
Miller Millermatic 350P
Nelson Nelweld 4000 Stud Welder with 3/16" to 7/8" capacity
Midwest CD50 Stud Welder, up to 1/4" capacity
150 KVA Sciaky Resistance Welder
BLUCO Modular Fixturing Table. (274" x 118" max. weldment size.)
Capable of holding 0.005". The ultimate welding fixture!

HARDWARE INSERTION EQUIPMENT:

Haeger 618 One Touch with Auto Feed

FINISHING:

36" Steelmaster Prima (3KBB9) Deburr/Finish machine, triple head
Roto-Finish 3 cu. ft. Steel Ball Media Burnisher

MISCELLANEOUS FABRICATION EQUIPMENT:

Roper Whitney Multi-Radius Machine
Roper Whitney Profab 15 Ton Punch with Digital Display
US Amada CHS-220 Corner Notcher
Miller Portable Plasma Cutter
Schmidt 4"x4" Marking System
Propen Marking System
IMCAR Power Roll, 10 ga. x 60" wide
Bridgeport Series 1 Milling Machine
Chevalier Vertical Mill with digital display
Hardinge Super Precision Lathe with digital display
8' Stroke Sander
(2) Meta-Lax Vibratory Stress Reliever

INSPECTION EQUIPMENT:

Virtek Vision Laser QC _ Optical Scanning System
(2) Faro EDGE 8' Arm, portable measuring system
Faro Vantage Laser Tracker, portable 3D measuring system
Dial and Digital Height Gages
Various Calibrated Surface plates
Inspection Grade Blocks
Hole diameter pin gauges

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QUALITY SYSTEMS:

ISO 9001:2015 REGISTERED
NQA-1 COMPLIANT

