

Production & Equipment

ASMP focuses on producing products to a very high degree of precision. This is achieved through our motivated team and the equipment that they work with. The following is a list of equipment in each of our six departments:

Primary Department

CNC Machines

- 1 Miyano BNC-34T 3-Axis CNC Turning Center
- 1 Fadal VMC20 Vertical CNC Machining Center

Single-spindle Automatic Screw Machines

- 14 AR-10 Bechler Machines
- 5 BR-20 Bechler Machines
- 1 CR-32 Bechler Machine
- 1 A-7 Bechler Machine
- 3 AS-10 Bechler Machines
- 1 B-16 Bechler Machine
- 6 P-7 Peterman Machines
- 2 M-7 Tornos Machines
- 2 R-10 Tornos Machines
- 6 D2 Escomatic Machines with Coil Feed
- 1 D4 Escomatic Machine with Coil Feed
- 1 D6 Escomatic Machine with Coil Feed

Multi-spindle Automatic Screw Machines

- 8 Model-B (oversized) Davenport Machines

Secondary Department

Lathes

- 1 DSM-59 Hardinge Precision Production Lathe
- 2 M32 Ebosa-SA Precision Turning & Thread Chasing Machines

Milling Machines

- 2 Rouse High Speed Milling Machines
- 3 Barker Automatic Milling Machines
- 1 Nichols Milling Machine with Air Feed
- 1 Steinel Hand Feed Milling Machine
- 1 Barker Hand Feed Milling Machine

Drill Presses

- 4 P-8 Berema Drill Presses with 90X Tapmatic Heads
- 2 Pollard 3-Spindle Drill Presses
- 1 Meddings 2-Spindle Drill Press
- 2 TB-10 Solid Drill Presses
- 2 Model-15 Buffalo Drill Presses

Grinding Machines

- 1 Cincinnati High Precision Centerless Grinder
- 1 Milford Bar Grinding Machine



Quality Control Department

Optical Comparators

- 1 PH-350 Mitutoya Profile Optical Comparator with Digital Readout
- 1 PJ-250 Mitutoya Profile Optical Comparator with Digital Readout
- 1 6C-2 Nikon Profile Optical Comparator with Digital Readout

QC Software

- 1 M-Stat Mitutoya SPC/Quality Control Software

Other QC Equipment

- 1 Mitutoya Zoom Lens Microscope
- 1 Carsen Microscope
- 1 Mitutoya Granite Plate
- 3 M-0 Meyer Pin Gage Sets
- 2 M-1 Meyer Pin Gage Sets
- Various Depth, Plug, Thread, Bench, Block Gages and Sets
- Micrometers
- Dial Indicators
- Profilometers

Design Department

Cam Design Equipment

- 1 Unicam Type 2R Schreitmuller Cam Shaper
- 1 Bechler Cam Scriber/Marker and Tracing Tool
- 1 Gen-A Cam Grinding Machine
- 1 J-Jaw 400 Band Saw

CNC Design Software

- 1 SmartCam CNC Design Software
- 1 Fadal Assist CNC Software

Fixture / Tooling Design Equipment

- 1 Bridgeport Vertical Milling Center
- 1 ESCO-SA Precision Diamond and Carbide Tool Grinding Machine
- 1 Kombi-Schliff Precision Diamond and Carbide Tool Grinding Machine
- 1 H216 Boyer Schultz Precision Hand Surface Grinder
- 1 FSG-618 Chevalier II Precision Hand Surface Grinder
- 2 Christen Precision Drill Grinders
- 1 Black Diamond Drill Grinder
- 3 Delta Pedestal Tool Grinders
- 1 Husky Precision Machinist Lathe

Cleaning and Deburring Department

- 1 Branson Ultrasonic Electronic Part Cleaner
- 2 Barrel Tumblers for deburring, radiusing, and polishing
- 1 Manlovetullis Oil Extractor and Parts Dryer
- 1 2BV DeLaval Chip Extractor
- 2 Barret Chip Extractor
- 1 5 H.P. Air Compressor
- 1 PMC Belt Sander for deburring and cut-off removal
- 3 Trademaster Drill Presses for Deburring



Shipping / Receiving Department

- 1 Avery Scale for Counting Parts (10 lb capacity)
- 1 Toledo Scale for Counting Parts (50 lb capacity)
- 1 Gold Brand Scale for Counting Parts (1200 lb capacity)
- 1 Alison Chalmer Heavy Duty Fork Lift

Finishing Capabilities

When Heat Treating, Plating, and other related processes are required, we use local companies providing these services.

Machining Capacity

General machining capacities for our machines in our **Primary Department** are shown in the table below. The *Fadal VMC20 Vertical CNC Machining Center* has a table travel of 20" x 16" with $\pm .0001$ " accuracy to cover a broad range of applications.

Item	Capacity (inches)	Capacity (mm)
Round Bar	0.031 - 1.375 diameter	0.787 - 34.925 diameter
Square Bar	0.031 - 0.437 diameter	0.787 - 11.099 diameter
Hexagon Bar	0.031 - 0.625 diameter	0.787 - 15.875 diameter
Extruded Bar	0.031 - 0.750 diameter	0.787 - 19.05 diameter
Turned Length (max.)	12.000	304.8
Unturned Length (max.)	36.000	914.4
Tolerance / Accuracy	± 0.0001	± 0.0025

Information

To find out how ASMP can improve your productivity, contact us at 416.285.1699, or fax your request to 416.285.9029.