

AMERICAN PROTOTYPE & PRODUCTION, INC.

MANUFACTURING SERVICES



*Manufacturing for Science
and Industry since 1989*

CAD-CAM Manufacturing
CNC Milling & Turning • Laser Engraving

FOR OVER 25 YEARS we have been dedicated to using Best in Class Machine tools matched with the latest CAD-CAM Software to offer our customers the highest quality machining service available.



OUR CORE capabilities are CNC Milling, CNC Turning, Low & high volume part runs made from Ferrous & Non Ferrous metals as well as most plastics.

We have a complete Prototype Department for quick turn projects. In addition we also have an in- house Laser Machine for processing sheet materials, gaskets etc. & part marking or engraving services.



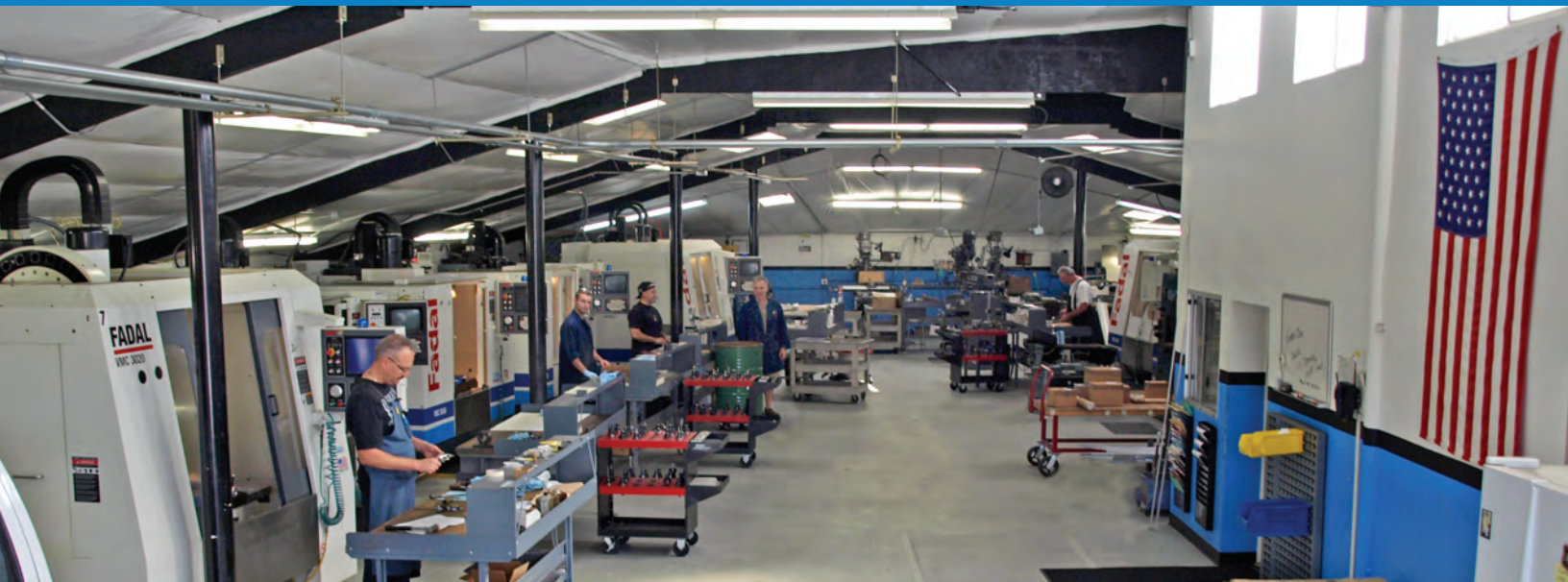
Support US Manufacturing

Please visit our web site for more information. www.americanprototype.com

For quotation purposes, please send one of the following formats to: blaine@americanprototype.com

We accept PDF, DXF, IGES files, in addition to Solid part files: (*.SLDPRT) (*.igs)

Productivity through Technology



American Prototype & Production, Inc. • Phone: 650-595-4994 • 555 Bragato Rd., San Carlos, CA 94070

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Machine Tools

Fadal Vertical Machining Centers (8) Each Largest capacity 40" X 20"
Doosan DNM 400
Haas Mini CNC Mill 30 x 12 (1) Ea.
Mori Seiki SL200 Turning Center 10" Diameter Capacity. (1) Each
Hardinge Toolroom Lathe, With DRO (2) Each
Hardinge Chuckler Lathe, With DRO (1) Each
Clausing Colchester Engine Lathe, 13" Capacity (1) Each
Bridgeport Milling Machines With DRO (4) Each
Kent Surface Grinder, 12" X 18"
Do-All Vertical Band Saw 30" Capacity
Rutland Vertical Band Saw 18' Capacity
Rutland 12" Horizontal Band Saw
Various Support Equipment:
Drill press, Belt sander, 20 Ton Press, Arbor Press,
Trinco Bead Blaster 36" X 18"
Epilog Legend 36" EXT 24" x 36" Cutting Area

Sheet Metal Equipment

48" Sheet Metal Box Brake,
90° Tensmith Notcher, 16 Gauge Capacity
48" Sheet Metal Foot Shear, 16 Gauge Capacity

Inspection Equipment

Quality Management System based upon ISO 9002
Rockwell Hardness Tester, Model HR-150A
Brown & Sharp Reflex Coordinate Measuring Machine 20" x 16" x 12"
Accuracy +/- .0002
Starrett HE-400 Optical Comparator, With Quadra Check 200 Inspection System
Micrometers, from 1.0" to 8.0"
Inside Micrometers .40" to 6.0"
Gauge Pins, .010 Diameter to 1.00"
Gauge Blocks, .031 to 1.250
Vernier Calipers to 48"
Digital Calipers to 12"
Full Complement of Bore Gauges, Thread gauges etc.
All Tools calibrated annually

Cad Cam System

2014-2015 V 10.7 GibbsCam NC Programming system, Windows 8
Two IBM ThinkCenters A50 8147 P4, 4GHz

Member since 2007

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New for 2014



New for 2014: VoluMill

An Ultra-High Performance Toolpath Generator

VoluMill for GibbsCAM:

- Improves productivity by 50%
- Reduces cycle time
- Safely doubles machine output
- Up to 60% reduction in energy costs



New for 2014: The E2 Shop System

Comprehensive Manufacturing software, that will help us achieve greater control over each step of the manufacturing process: estimating, materials, quality, scheduling, and shipments.



New for 2014: a Doosan Vertical Machining Center

We are transitioning and upgrading to Doosan Vertical Machining Centers for their High Productivity and Rigidity, 1.3 second Tool change time and 12000 RPM Spindle Speeds.