

Automatic Screw Machine Products Company

Company Overview

Automatic Screw Machine Products Company (Automatic SMP) is a manufacturer of precision machined parts. The expanding list of companies we serve is evidence of our ever-growing capabilities and diversification. The industries we serve include aerospace/defense, automotive, locomotive, elevator and off-road.

We offer a full range of integrated, process-controlled machining operations at competitive prices designed to meet your individual requirements. Our CNC turning centers feature rapid setup and automatic machining, providing economical medium-run capability.

Our Secondary Operations Department is equipped to perform automated tapping, cross drilling, slotting, milling, counter-sinking and more. Automatic SMP has an ongoing program for improving the skills of our personnel and enhancing our equipment capabilities.

Automatic SMP has both the trained personnel and state-of-the-art equipment to meet all your fastener or screw machine part needs. We are committed to providing our customers with superior products and efficient service. At Automatic SMP, quality and people make all the difference to our customers.

Automatic Screw Machine Products
Subsidiary of Lawson Products, Inc.

Located at:
709 2nd Ave. SE
Decatur, AL 35601
(256) 353-1931

Website: automaticsmp.com

Automatic Screw Machine Products Company

Product Range

RANGE:

From #8-32 to 5" thread size

MANUFACTURING:

Conventional machining performed on our single and multiple spindle bar automatics, CNC turning centers and a full complement of secondary operation equipment

QUALITY ASSURANCE:

Certified Supplier level to military, aerospace and other OEM specifications.

MATERIALS:

Steel and its alloys, stainless, titanium, brass, bronze, aluminum, Monel[®] and high temperature alloys.

HEAT TREATMENT:

Meets the requirements of MIL-H-6875 and its latest revisions or to your specifications.

PLATING AND FINISHING:

Offered to your specifications or customary military, aerospace or commercial specifications.

GLOBAL DUAL SOURCING:

Working jointly with our overseas manufacturing partners, our Global Dual Sourcing Program enables our customers to obtain precision screw machine components through a single vendor at global pricing. We insure all products conform to our stringent quality demands



Automatic Screw Machine Products Company

Quality Control

Automatic SMP is a Certified Supplier to major aerospace, governmental and industrial OEM customers. Automatic SMP has the in-house capability to evaluate physical and dimensional characteristics of products and materials at all stages of manufacturing and prior to shipping. Our personnel training programs help ensure that products we manufacture meet the quality standards set by World Class Customers. The result is the highest level of confidence in Automatic SMP by our customers

QUALITY CONTROL STANDARDS

Established and maintained at a high level, our Quality System is ISO 9001:2000 and AS9100 registered.

NON-DESTRUCTIVE TESTING

Magnetic particle and fluorescent penetrant inspection is done in our plant by our own trained and certified personnel. Our technicians are certified in accordance with MIL-STD-410, ASNT-TC-1A AND MIL-STD-271 and their latest revisions. NADCAP NDT Accredited.

DESTRUCTIVE TESTING

Your requirements for destructive testing, failure analysis or metallurgical laboratory services are met through our relationships with FQA accredited outside laboratories and our own in-house capabilities

INSPECTION LABORATORY

Accredited by the American Association for Laboratory Accreditation for fastener testing in accordance with:

- Hardness (Rockwell) ■ Proofload testing ■ Torque testing
- Plating thickness ■ Plating adhesion ■ Plating burns
- Stress embrittlement ■ Solid film lubricant adhesion
- Hydrogen embrittlement relief
- Discontinuities by Magnetic Particle & by Liquid Penetrant
- Dimensional inspection:
 - Threads by system 21 and system 22 • Surface Roughness
 - Linear measurements • Slot alignment • Angles • Radii

Automatic Screw Machine Products Company

Capabilities Range

AutomaticSMP has a full range of capabilities for medium and high volume manufacturing support

AUTOMATIC DEPARTMENT PRIMARY EQUIPMENT

40 Screw Machines
Single & Multi-Spindle (6&8)
11 Davenports
Specialized CNC Multi-Spindle

AUXILIARY EQUIPMENT

Centerless Grinding
Drilling/EDM Drilling
Milling/Slotters/Tappers

CNC/PRECISION MACHINING

Automatic offers a full range of integrated, process-controlled machining operations designed to meet your individual requirements. Streamlined setup processes and machine flexibility provides economical short-run, quick response capabilities for prototypes and low to medium production requirements.

Lathes

Okuma Cadet L1420 CNC lathe, 12" chuck
with 2 ½ bar feed
Okuma Crown L1420 CNC lathe, 12" chuck
with 2 ½ bar feed
Bar Feeder – LNS 12' programmable tail-stock
Mazak Quick-Turn 25 CNC lathe 10" chuck
and collet chuck
Haas Mini Lathe with electric magazine
bar feeder, 6500 RPM Spindle
Murata MW200GS

Cross Drilling

Electric drill presses (Delta, Dunmore,
Powermatic)
Variety of special machines
EDM drill machines

Mills

Haas VF2, 4 axis, model 2002; Travel 30" x 16" x 20"
Mazak VTC-200C with Renishaw CNC Machine Tool
touch probe
Model 2003, 4 axis; Travel 65" x 20" x 20"

QUALITY

ISO 9001:2000 Registered
AS9100 Registered
A2LA Accredited/ISO 17025
NADCAP NDT Accredited
Certified Supplier to Boeing, Caterpillar,
Goodrich & others

LAB CAPABILITIES

(Destructive & Non-Destructive)
Dimensional, Hardness, Proofload, Plating
Thickness, Hydrogen/Stress Embrittlement,
Torque, Plating Adhesion