• DESIGN ENGINEERING

- CNC PRODUCTION MACHINING
- ⊙ ISO-9001 / AS-9100 COMPLIANT QUALITY SYSTEMS
- LASER MARKING AND ENGRAVING
- ASSEMBLIES





Automated Machine Technologies, Inc. Engineering Innovative Processes for Unsurpassed Quality

# Welcome To AMT

Automated Machine Technologies, Inc. (AMT) is a Contract Engineering and Manufacturing Service Company that focuses on Engineering Design and Precision CNC Production Machining with value added services and Laser Marking and Engraving.

Replacing conventional thinking with innovative ideas and concepts has allowed AMT to gain a leading edge within the manufacturing industry. "Engineering Innovative Processes for

# **The AMT Difference**

### People

Passion, Integrity, Dedication, and Accountability – These are amongst the many values the AMT team lives by. We say what we do, and do what we say. Difficulties are challenges, not problems. We thrive on education and continuously seek improvement. We are highly motivated individuals who are only satisfied with exceptional results.

### Experience

Enjoy the advantages of several decades of combined experience from our staff. From engineering design to manufacturing, AMT has a diverse range of past projects in our toolbox to pull from and apply the wisdom and knowledge acquired to your individual requirements. Each day we are faced with new challenges – challenges we conquer thru creative thinking and years of experience.

# Unsurpassed Quality" has become a way of life and is business as usual for the AMT Team.

We invite you to tour our capabilities and explore the vast array of services we offer to assist your company realize your product goals and initiatives. Whether its engineering design, prototyping or full production including assemblies, AMT can support your needs and partner with your organization to facilitate a competitive edge.

### **Markets Served**

- Aerospace and Defense
- Automotive
- Automation Systems
- Electronics Hardware
- General Consumer Products
- Medical
- ► Optics

#### Results

The combination of our people and our experience is a proven recipe for exceptional performance. Our workmanship standards exceed the highest levels within the industry and we refuse to conduct business any other way. Quality, Schedule and Cost – You can count on AMT to deliver. But don't take our word for it, see our client testimonials.

### What to Expect

#### **Relentless Attention to Detail**

Unsurpassed quality starts with attention to detail, in AMT's eyes, relentless attention. We go above and beyond part print specifications to provide hardware that is not only conforming in dimensions and tolerances but is cosmetically appealing. You won't find a burr or poor handling on parts manufactured by AMT. Our goal is 100% first time quality - partner with AMT and give us the opportunity to prove our performance.

## **Design Engineering**

Engineering at AMT is comprised of several disciplines such as:

- $\odot$  Product Design
- $\odot$  Tool / Fixture Design
- $\odot$  Assembly and Test Machine Design
- CNC Machining Fixture Design
- CMM Fixture Design
- Methods Engineering

#### **Regular and Responsive Communication**

From inquiry to delivery, AMT will communicate with your organization thru the entire process. Our standard response time for any inquiry is 24 hours, in most cases, much less. Even if we don't have the answer, we will be in contact to let you know that we are working on the answer. Via email, we acknowledge every order or change request and also provide packing lists with tracking numbers when shipments are sent.

#### **Reliable Support**

At AMT we pride ourselves on follow-up and support. Our success is dependant on your complete and unconditional satisfaction and therefore it's crucial that you are pleased with the products and services you receive. We want to be certain you have been provided the best possible solutions. We are here to help and we encourage open communication and feedback. We stand behind what we do and won't have it any other way.

Each of these segments are utilized daily for our internal manufacturing needs, as well as offered to our customers for engineering only or complete design and build services.

The latest release of Solidworks 3D modeling and drafting software is used for all current engineering. We also utilize Draftsight for any 2D AutoCAD files. We can open and work with nearly every CAD file format.

#### **Patented Designs**

Our engineers have been awarded US Patents and have other Patents Pending.



## **CNC Production Machining**

High tolerance, high quality parts require the best in machine tools. Our CNC equipment is late-model, state-of-the-art machinery with the most advanced options offered in the industry.

We purchase only brand new, trouble free equipment and maintain our investments with regular service, often exceeding the manufacturer's recommendations. This results in RELIABLE production for our customers. Many of our competitors fail to meet delivery requirements due to broken, non-maintained, used equipment.



AMT offers production solutions ranging from simple 2-axis turning thru multiaxis milling with lights-out bar feeding capabilities of our multi-axis turn-mill Mori Seiki.

Whether your needs are a few pieces per year up to thousands, AMT's flexible and dedicated production solutions can handle

your needs and exceed your expectations.

### **Quality Assurance**



"Engineering Innovative Processes for Unsurpassed Quality" is not just our slogan, it's business as usual for AMT.

Right from the very first time we review a new requirement and thru completion of production ready product, AMT extensively plans our processes to maximize efficiencies and minimize process deviation which ensures conforming components from lot to lot with little to no scrap.

AMT's inspection capabilities include simple hand gages thru elaborate digital gages with accuracies of +/-.00002" and a Brown and Sharpe Gage 2000 fully automatic / programmable DCC CMM (Coordinate Measuring Machine). If we don't already have the gages needed for a particular part, we obtain them.

Calibration management of all gages is handled via our ERP software system with electronic certifications and records which are fully traceable to NIST. You won't find a gage in use and out of calibration at AMT.

### Laser Marking and Engraving

AMT is now offering Laser Marking and Engraving services. We utilize this capability as a value added complement to our contract manufacturing or as a stand-alone service for our customers or prospects in need of part markings.

Our State-of-the-Art Trumpf Fiber YAG laser is powerful enough for deep engraving yet with a spot size of 67 microns (.0026 inches), it is fine enough for extremely detailed, high-resolution surface marks ideal for part numbers, logo's and linear and angular precision dials and scales to name a few.

Our system has a wide area field of view and X-Y axes to increase our overall marking area to nearly 12 square inches. We also have rotary capabilities for cylindrical parts.

### We can mark nearly every material including:

- Aluminum
- O Anodized Aluminum, Including Hardcoat Anodize
- Brass / Bronze
- Carbon Steel
- Ceramics
- $\odot$  Copper
- Plastics
- Stainless Steels
- Tool Steels
- Titanium
- Wood

#### Many applications can benefit from AMT's Laser Marking Services such as:

- Barcodes, linear, 2D data matrix
- Company Logo's
- Part Numbers
- Serial Numbers
- Medical components
- Aerospace components
- CE and UL identification
- ROHS compliance markings
- $\odot$  Lot numbers / Date codes
- $\odot$  Linear and angular dials and scales
- $\odot$  IC chips and printed circuit boards

AMT is very professional and reliable. They are extremely easy to communicate and work with. Considered one of our best vendors. Rated 10 on a scale of 0-10, 10 being the highest.

Spare Parts Coordinator Contact Lens Manufacture, Georgia



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Nothing but positive experiences with AMT. Prompt response to my inquiries, accommodating to our schedule and priority changes, superior quality. Wouldn't hesitate to recommend to others seeking the same!

Jon B. Purchasing Aerospace Flight Controls Manufacture, New York

For many years my company has enjoyed a valuable relationship with AMT based on quality, reliability and most of all trust. Our partnership with AMT is far more than a supplier customer relationship. We depend on AMT to manufacture spare automation components for our production lines and provide superior consistency and precision, on even our most difficult and demanding jobs. In addition their engineering and design support adds value to our organization which makes AMT one of our most valued suppliers. Our partnership with AMT has been very successful and I would highly recommend AMT to meet your supplier requirements.

> Robert S. Tooling Engineer Contact Lens Manufacture, Georgia

Every request exceeds my expectations. Quotes arrive quickly. Attention to detail is top priority; I always get a phone call or e-mail if there is even a slight issue interpreting my drawings. AMT has even assisted me in eliminating some of my bad habits with my CAD drawings. I always get an e-mail when something is shipped, complete with tracking numbers. When items are received, the parts are packaged better than any others in the business. The parts are absolutely perfect every time. There is never a problem with incoming inspection. AMT's level of Customer service, Quality, Quick turnaround, Attention to detail and Total dedication to exceeding our expectations are attributes I don't experience with any other supplier.

## Fred H.

Maintenance Manager Medical Device Manufacture, Georgia

I have dealt with AMT for the past 15 years. During that time, AMT has always produced competitively priced quality parts, with a perfect on time delivery record. I would not hesitate to recommend them to any company or colleague.

> Rayna H. Purchasing Manager Deuterium Lamp Manufacturer, Germany

My experience with AMT is always positive. They have designed and delivered many pieces of tooling and test equipment for our company over the past decade. They can provide simple spanner wrenches, pneumatically controlled cycling fixtures, and everything in between. If you are looking for design capability and high end products, AMT can satisfy your requirements.

# Rob G.

Senior Tool Designer Aerospace & Defense Systems Manufacture, New York