atech manufacturing

*Your Preferred Partner in Machining Solutions & Turnkey Assemblies*

## Precision Machining

Atech Manufacturing offers high-precision CNC machining to a wide range of industries, delivering prototypes to production quantity runs, using traditional metals, specialized alloys, and industrial plastics. From simple designs to complex solutions, we're here to help.

## Atech Leads the Way

**Atech Manufacturing leads the way in providing single-source solutions that enhance and extend product innovation, optimization, and commercialization at every level of the manufacturing process.**

## What We Do

Atech Manufacturing works directly with local and global companies to facilitate project management efforts across the semiconductor, medical, aerospace/satellite, defense, robotics, automotive, and optics devices industries. We work collaboratively and cost-effectively to design, develop, and implement integrated machining solutions and small-to-large turnkey assemblies. From quick-turn prototypes to production quantities and custom projects, we bring product innovations to life.

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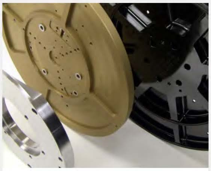
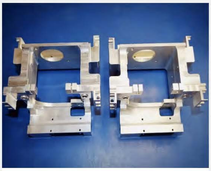
## How We Work

**Working collaboratively is at the heart of our business. Whether it's design, development, procurement, manufacturing, quality control, or logistics, we're dedicated to keeping the lines of communication and cooperation open between our team and with our customers. Atech Manufacturing operates a wide range of precision machining tools, with the collective ability to work with a broad array of traditional metals, specialized alloys, and industrial plastics for companies doing business with semiconductor, medical, aerospace/satellite, defense, robotics, automotive, or optics devices industry**

### Capabilities



### Core Services



### Precision Machining

### Turnkey Assembly

Comprehensive in scope: machining/fabrication, assembly, quality management, and project management....

The single source for design, development, manufacture, quality control, and destination logistics....

High-precision machining solutions are available in traditional metals, specialized alloys, and industrial plastics....

Traditional and custom turnkey assembly solutions deliver optimal production, time, and cost efficiencies....

## Who We Are

Atech Manufacturing is a cadre of expert machinists and business savvy executives who understand our customers and how best to help them overcome industry-specific challenges, design and develop the latest innovations, and grow their business over time. Collectively, we bring more than 150 years of experience and reliability to bear on every project we manage, whether collaborating on designs, facilitating logistics, or partnering with companies in Silicon Valley or in the far corners of the globe.

Atech Manufacturing is certification current in all areas we serve.

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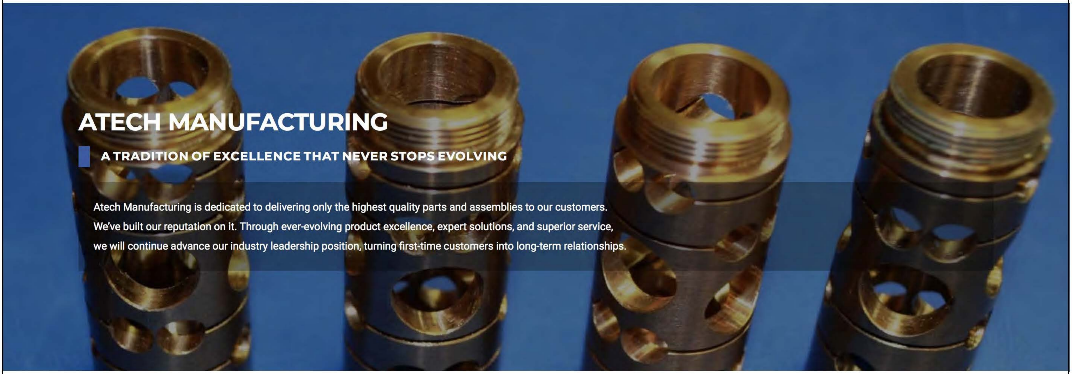
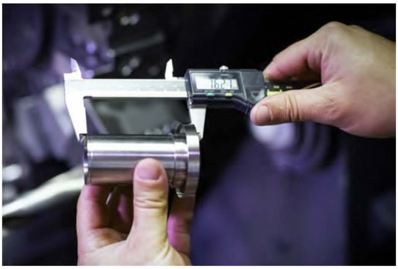


# ATECH MANUFACTURING

### A TRADITION OF EXCELLENCE THAT NEVER STOPS EVOLVING

Atech Manufacturing is dedicated to delivering only the highest quality parts and assemblies to our customers. We've built our reputation on it. Through ever-evolving product excellence, expert solutions, and superior service, we will continue advance our industry leadership position, turning first-time customers into long-term relationships.



## Quality First

Atech Manufacturing subjects every part, component, and system we produce, from simple to complex designs, to custom pieces, to calibrated quality-control measures. We ensure exacting specifications and tight tolerance limits are met and sustained, ongoing. First article inspection reports, static process control, and final inspection reports are fully supported, as well as CMM capabilities.

At Atech Manufacturing, customer satisfaction is guaranteed.

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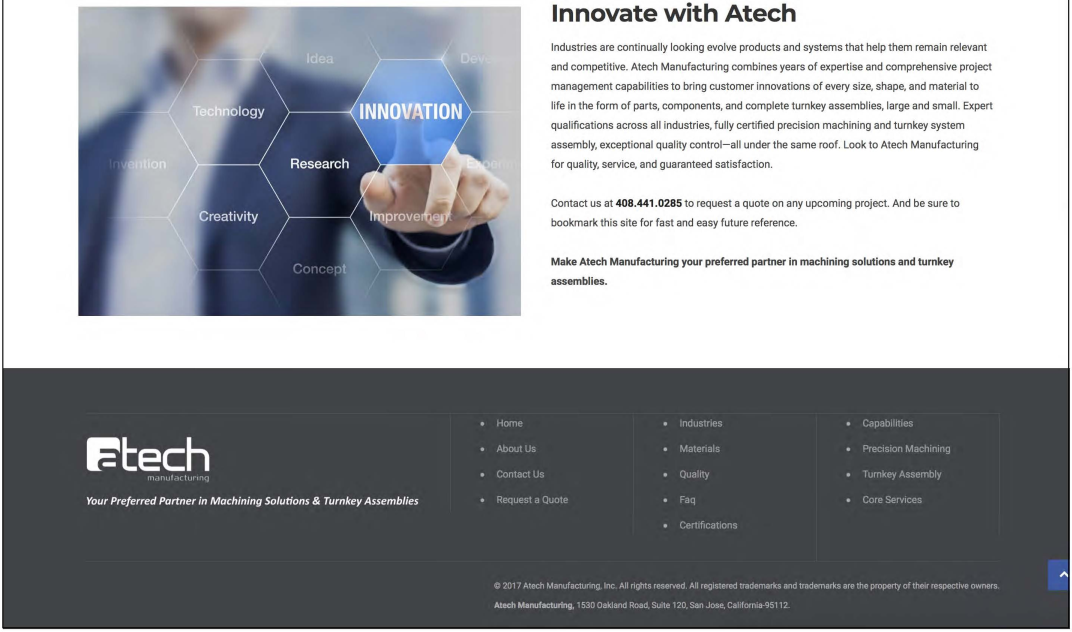
## Atech Certifications

International Organization for Standardization
ISO
9001
PENDING

ISO
13485
PENDING

RoHS
RoHS



## Innovate with Atech

Industries are continually looking evolve products and systems that help them remain relevant and competitive. Atech Manufacturing combines years of expertise and comprehensive project management capabilities to bring customer innovations of every size, shape, and material to life in the form of parts, components, and complete turnkey assemblies, large and small. Expert qualifications across all industries, fully certified precision machining and turnkey system assembly, exceptional quality control—all under the same roof. Look to Atech Manufacturing for quality, service, and guaranteed satisfaction.

Contact us at **408.441.0285** to request a quote on any upcoming project. And be sure to bookmark this site for fast and easy future reference.

**Make Atech Manufacturing your preferred partner in machining solutions and turnkey assemblies.**

*Your Preferred Partner in Machining Solutions & Turnkey Assemblies*

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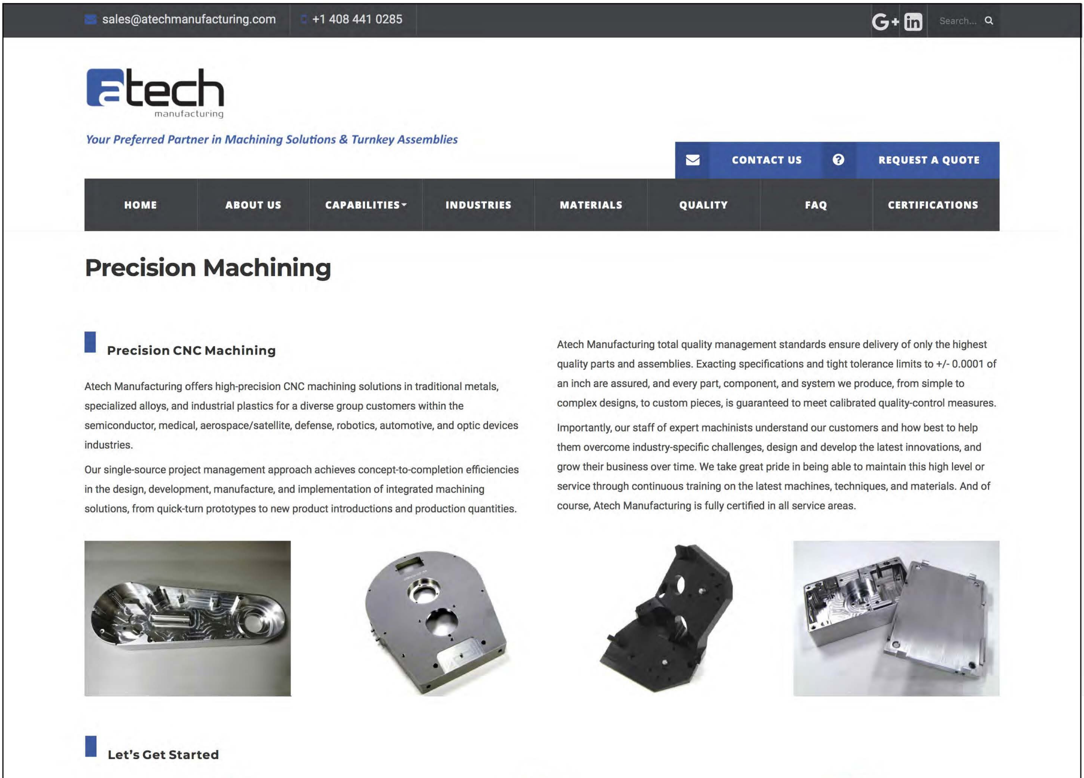
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*Your Preferred Partner in Machining Solutions & Turnkey Assemblies*

# Precision Machining

### Precision CNC Machining

Atech Manufacturing offers high-precision CNC machining solutions in traditional metals, specialized alloys, and industrial plastics for a diverse group customers within the semiconductor, medical, aerospace/satellite, defense, robotics, automotive, and optic devices industries.

Our single-source project management approach achieves concept-to-completion efficiencies in the design, development, manufacture, and implementation of integrated machining solutions, from quick-turn prototypes to new product introductions and production quantities.

Atech Manufacturing total quality management standards ensure delivery of only the highest quality parts and assemblies. Exacting specifications and tight tolerance limits to +/- 0.0001 of an inch are assured, and every part, component, and system we produce, from simple to complex designs, to custom pieces, is guaranteed to meet calibrated quality-control measures.

Importantly, our staff of expert machinists understand our customers and how best to help them overcome industry-specific challenges, design and develop the latest innovations, and grow their business over time. We take great pride in being able to maintain this high level or service through continuous training on the latest machines, techniques, and materials. And of course, Atech Manufacturing is fully certified in all service areas.

### Let's Get Started

① → ② → ③

**Step 1: You Submit Project for Review**

We first review the project specs and any special requirements—diagrams, drawings, materials, timelines, and budget—to fully understand the goals, needs, and deliverables of the project. If we have questions, we initiate a Q&A to clarify any outstanding issues.

**Step 2: We Provide Project Price Quote**

Atech Manufacturing provides an all-inclusive itemized price quote that covers everything within the scope of the project, from concept to completion, including contingencies.

**Step 3: You Approve Project Quote, We Begin Work**

With the usual and customary work agreement signed and approved by both parties, the customer generates a purchase order (PO), which we then review and, upon confirmation, initiate project work. Production timetables, quality control points, and customer approvals then set the pace for timely completion and shipping.

## CNC & Manual Milling

Rapid CNC machining is a subtractive manufacturing process that is optimally suited to developing prototypes, jigs and fixtures, functional components for end-use applications, and form-and-fit testing. Our machined parts, which we can create using any of more than 20 different metals and plastics, are the result of state-of-the-art high-speed milling and turning processes We can also handle virtually any type of geometry with our lineup of FADAL and YCM vertical milling machines, including *dimensions of up to 30 in. W x 60 in. L x 20 in. H, with a tolerance up to 0.0005 in.* and maximum spindle speed of up to 10,000 rpm.

Request A Quote

## CNC & Manual Turning

During the turning process, a rod of material is rotated while a tool is fed to the piece to remove material to create the desired cylindrical shape. Outside diameter (OD) and inside diameter (ID) threading is also available. Depending upon the size of the part, Atech Manufacturing's expert machinists can achieve a *tolerance up to 0.0001 inch.* We offer a range of metals, including soft metals and steel, from which parts of desired material properties and tolerances can be created, and considered suitable for form, fit, and functional testing.

Request A Quote

## Programmable CMM Capabilities, with SPC

Atech Manufacturing's coordinate measuring machine (CMM) capabilities fully support high-volume production that requires statistical process control (SPC) analysis. SPC is a scientific visual method used to monitor, control, and improve processes by eliminating special cause variation from manufacturing, service, and financial processes. Our CMM collects data using SPC software to accurately measure and inspect the physical geometrical characteristics of machined parts and deliver a full analysis, complete with charts and data history of the process.

Request A Quote

## Turnkey Assembly Services

Atech Manufacturing turkey assembly services provide a unique, streamlined process that helps expedite product time-to-market or destination for a range of customers and industries. We combine our CNC machining capabilities to make individual system parts with off-the-shelf (OTS) purchasing of components (electrical, mechanical, and more) to design, manufacture, and fully assemble, in-house, a complete product.

Customers simply send us product drawings, complete design specs, and a bill of materials (BOM) list, and our machinists and techs collaborate to quickly assemble the final product. Testing all components at predetermined points ensure accuracy and compatibility at every step. Should a part or component not pass inspection for any reason, we can make immediate fixes to keep the turnkey process moving, without compromising the delivery date.

Request A Quote

**Applications**

Acrobat®, Geopath™, Mastercam®, SolidWorks®

**File Formats**

DWD, DXF, IGES, PDF, STEP

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