



High-performance Milled and Turned Components and Parts for Specialized Aerospace, Instrumentation, Robotics and Other Industries and applications

ITAL-TECH MACHINED PRODUCTS OFFERS

Precision manufactured to exacting tolerances.

On-time delivery.

Fair and competitive pricing.

American craftsmanship and quality.

A highly skilled, experienced team that understands your needs.

Unrivalled customer service.

AS9100D/ISO9001:2015 Certification.

A HISTORY OF EXCELLENCE

You can trust Ital-Tech Machined Products to engineer and machine the components you need to the exacting tolerances you demand. For decades, the team at Ital-Tech Machined Products has focused on developing high-precision turned and milled components and parts for critical aerospace, defense, instrumentation, motion control and robotics applications. Our 10,000-square-foot facility in Groveland, Massachusetts houses leading-edge equipment that enables us to cost-efficiently engineer and machine high-quality components to the exacting tolerances you need.

In 2017, the company was purchased by Potentia Holdings LLC, which is owned and managed by highly experienced, globally recognized leaders in managing the development of specialized precision products for critical applications. Ital-Tech Machined Products continues to invest in new equipment, while focusing on Continuous Process Improvements and Lean Manufacturing methodologies to ensure on-time delivery, outstanding quality and competitive pricing.

ITAL-TECH MACHINED PRODUCTS

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Our Commitment and Growth

During our many years in business, we've built a strong customer base, allowing us to grow into the specialized, quality-focused company we have become. Major contractors and manufacturing companies have come to rely on **Ital-Tech Machined Products** for high-precision machining of turned aerospace, defense and other critical components.

Today, **Ital-Tech Machined Products** maintains our strong commitment to providing personalized service and outstanding quality to our customers. Our values may be old-fashioned, but our business model, processes, facilities, equipment and end products are on the cutting edge of the industry.

Facility Listing

We operate in a fully-equipped, 10,000-square-foot, environmentally controlled facility in Groveland, Massachusetts, enabling us to streamline production and ensure the quality of our products.

EQUIPMENT

- CNC Turning
- Okuma-Howa, Act20, CNC Lathe
- Hitachi Seiki, 20sl, CNC Lathe
- Takamatsu CNC Lathe
- Seiki SL300 BMC (Mill Turn)
- Samsung SL35/1500 3-axis with 15" chuck
- QuickTech T8 Hybrid Mill/Turn
- Turning
- Elliot Gap Lathe 31" Swing x 60" Center
- Okuma 22" Lathe 60" Center
- Graziano Sag 18" Lathe 46" Center
- Warner-Swasey #5 Turret Lathe
- Hardinge Super Precision Lathe

CNC MILLING

- Supermax MAX1 Machining Center 18"x24"x18" Table
- Supermax MAX3 Machining Center 20"x30"x19" Table
- Mori Seiki SV-50 Machining Center
- Samsung PCV-400

MILLING

- 2 Bridgeport J-head 42"
- 2 Bridgeport Series I 48"

- Fexac Universal Milling 58"x19" Travel
- Grinding [sub-sub-head - H3]
- Jones-Shipman Auto Grinder
- Blanchard Grinder 18", 31" Swing

HONING

- Sunnen Precision Honing Machine
- Welding [sub-sub-head - H3]
- Lincoln TIG300/300

ADDITIONAL EQUIPMENT

- Doall Band Saw 2
- Kalamazoo Saw
- Durocraft Bench Drill Press
- Durocraft Floor Drill Press
- Dumore Hi-Speed Drill Press
- Rockwell Drill Press & Tapping Machine

INSPECTION MIL STD 45208A

- 3'x5'x18" Granite Surface Plate
- Brown & Sharp Micro-Hite
- XLO 809 Optical Comparator
- Brown & Sharp CMM

CAD/CAM PROGRAMMING

- BOBCAD-CAM V22
- GIBBSCAM
- Multi-DNC

Materials

Ital-Tech Machined Products machines and turns a variety of metals and plastics to suit your specialized needs:

- Alloy 42
- All machinable plastics
- Aluminum
- Brass
- Bronze: CA674, SAE 660, C63200
- Carbide
- Castings: Alloy 852.O, Alum Alloy 356, Vanasil AA393
- Cast Irons (both as castings and casted bars) such as: Meehanite, Ductile, Dura-Bar
- Copper
- CPM 10v
- Hastelloy
- Haynes 282
- Invar
- Kovar
- Peek
- Ryton
- Stainless Steel: 303, 304, 316 and more
- Steel
- Tantalum
- Titanium
- Ultem

Capabilities

From prototype through production, short-run to volume production, we offer a wide range of services to streamline your projects from start to finish:

- Alloy 42
- All machinable plastics
- Aluminum
- Brass
- Bronze: CA674, SAE 660, C63200
- Carbide
- Castings: Alloy 852.O, Alum Alloy 356, Vanasil AA393
- Cast Irons (both as castings and casted bars) such as: Meehanite, Ductile, Dura-Bar
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Quality Assurance

On each job, our goal is to manufacture and deliver the highest-quality products you can get, as efficiently and cost-effectively as possible. **Ital-Tech Machined Products** uses processes that can be catered to your needs to ensure the quality of our products.

We maintain a Quality Management System certified to AS9100 and ISO 9001, and we strive to exceed our quality objectives on all jobs. The system is continually audited to ensure compliance with our Quality Manual, procedures and customer requirements. As a Certified Supplier for several of our customers, we provide dock-to-stock deliveries while maintaining a 99.9% quality and on-time delivery rating.

Components and parts made and assembled by **Ital-Tech Machined Products** undergo a three-step inspection process:

1. FIRST PIECE INSPECTION

Our Quality Control Department inspects the first piece of each machining and assembly operation. The operator performs the complete job sequence on one piece and submits it to the Quality Control Department, which inspects it for all characteristics and then records the results on the First Piece Inspection Report. If the piece is rejected, adjustments are made and the operator re-submits the part for inspection.

2. IN-PROCESS INSPECTION

The operator makes periodic checks of key characteristics during the manufacturing operation. Verification during each process ensures that the individual process maintains the highest quality level and minimizes chances for non-conforming products.

3. FINAL INSPECTION

The Quality Control Department makes a final lot inspection, utilizing approved sample plans and Final Inspection Reports. QC inspectors accept or reject each lot based on critical dimensions, customer-requested key characteristics and **Ital-Tech's** high-level quality standards.

First Article Inspection is performed on first-time production and lapses in production when required by customers. The QC department performs a FAIR using the AS9102 requirement and report. FAIR records are maintained with the job history and are available to our customers.

Ital-Tech's Quality Control Department maintains inspection records and keeps them on file for a minimum of three years, based on customer requirements.

INSPECTION EQUIPMENT

- Brown and Sharp Reflex 454 CMM
- Two Brown and Sharp Microhite 600
- Deltronic DH-214 optical comparator
- Two Federal Mahr Mechanical Comparators
- 81 piece Starret gauge block set
- 3 x 4 and 3 x 5 precision granite surface plates both grade B inspected
- Mitutoyo SJ-210 profilometer
- Federal pocket surf profilometer
- Standard Micrometers
- Test indicators
- Internal bore micrometers up to 4" diameter
- Phase II hardness tester
- Gauge pins