AEROSPACE - GRADE MATERIALS & ALLOYS

Expertise Across Aluminum, Titanium, Stainless Steel, Nickel Alloys, Superalloys and more

High-Temperature Alloys/Superalloys
Inconel, Nickel-based alloys, Hastelloy

Titanium Alloys
Ti-6Al-Ti-6Al-2Sn-4Zr-2Mo

Aluminum Alloys
2xxx, 6xxx, 7xxx

Stainless Steels
300 & 400 Series, 15-5PH, 17-4PH

Other Advanced Materials
Cobalt alloys, brass, bronze and copper-based alloys

TRUSTED BY GLOBAL AEROSPACE LEADERS

BOEING
Honeywell
RTX
Collins Aerospace An RTX Business
Pratt & Whitney An RTX Business
Raytheon An RTX Business
EATON
Parker
MEGGiTT
SHIMADZU Excellence in Science

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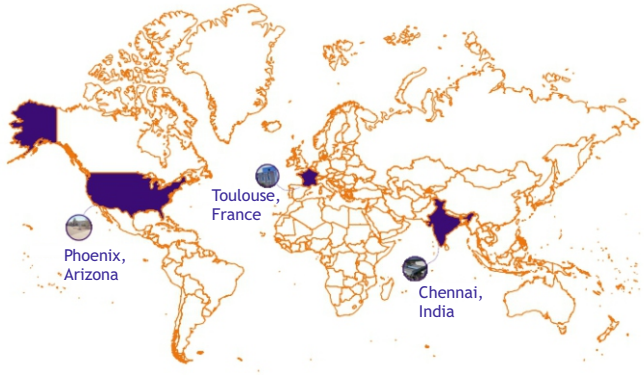
CONTACT US

Connect with TASE Global to discuss precision manufacturing, engineering support and global supply chain solutions.

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Discuss Your Requirements

Partner with our team to develop precision manufacturing solutions tailored to your application.

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TASE Global - Your Global Manufacturing Partner for Precision Engineering Components & Assemblies

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TASE

Trusted AeroSpace Engineering

Global Manufacturing Partner for Precision Components & Assemblies



50+
Year of Experience

500
Global Experience

3
Countries with Operations

1.2M+
Total Manufacturing Hours Per Year

Your Trusted Partner for Precision Manufacturing and Global Supply Chain Solutions

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OUR GLOBAL FOOTPRINT

Integrated Manufacturing and Engineering Capabilities Located in the United States, Europe and India.



PHOENIX, USA

- 870,000+ Machining Hours/Year
- Advanced Machining
- Special Processes
- Welding & Brazing
- Sheet Metal Fabrication
- Assemblies

Aerospace Manufacturing Hub



TOULOUSE, FRANCE

- Engineering Support Office
- Customer Support
- Sales & Marketing Management
- Global Program Coordination

Gateway to European Aerospace



CHENNAI, INDIA

- 320,000+ Machining Hours
- Advanced Machining
- Surface Treatment
- Assemblies
- Strategic Manufacturing Hub
- Additional 1,50,000 sq.ft. Manufacturing Space Available

- Establishment of an 360 acre integrated Aerospace & Semicon Manufacturing ecosystem covering Casting, Forging, Large-Bed Machining, Surface Treatment, Special Processes, Sheet-Metal Fabrication, Assembly & Sub-Assembly

Growing Aerospace Ecosystem

QUALITY & COMPLIANCE CERTIFIED & TRUSTED PARTNER

AS 9100 · Accredited Nadcap · ITAR · ISO 9001 · ISO 13485 · ISO 14001

MANUFACTURING CAPABILITIES

End-to-End Manufacturing Solutions Integrating Precision Machining, Special Processes, Sheet Metal Fabrication, and Assembly for Aerospace Components.

CORE PROCESSES

Precision Machining
Advanced 3, 4 & 5-Axis CNC machining for precision components.

Surface Treatment
Integrated surface treatment solutions for aerospace components, including chromate conversion, anodizing, passivation, non-destructive testing (NDT), and painting.

Special Processes
Welding, Brazing, Heat Treatment.

Sheet Metal & Fabrication
In-house Sheet Metal Cutting, Forming and Fabrication.

SPECIAL PROCESSES & HEAT TREATMENT

- Vacuum Brazing
- Torch Brazing
- Honeycomb Brazing
- Induction Brazing
- Welding
- Heat Treatment

FABRICATION, MACHINING & WELDING

- 5” × 10” CNC 6-Axis Flat Lasers
- Form Presses up to 10 tons
- Brake Presses up to 250 tons, up to 10 ft.
- CNC Punches up to 22 tons
- CNC Forming & Tube Bending up to 1 1/4 in.
- Expanders up to 24 in. diameter
- TIG/GTAW, MIG/GMAW, Wire Feed, FCAW, SMAW, Resistance Spot Welding
- Complex Mechanical Assemblies

TECHNICAL CAPABILITIES

Advanced Machining Capabilities Engineered for Precision, Complexity and Scale.

MACHINE CAPACITY

Machine Type	Total	Description	Tolerance	Max Dimension (Inch / mm)
Turning	44	Precision Turning	±0.0002”	Ø28 in / 711.2 mm
Milling	100	4/5-Axis, Horizontal & Robotic Milling	±0.0003”	157.5 × 78.7 × 78.7 in / 4000 × 2000 × 2000 mm
Grinding	13	OD/ID, Surface, Centerless & Angular Grinding	±0.0001”	Ø4 × 5 in / 101.6 × 127 mm
Electrical Discharge Machining (EDM)	11	Sinker, Wire & 5-Axis EDM	±0.001”	37.4 × 30.7 × 21.1 in / 949.96 × 779.78 × 535.94 mm
Vacuum Furnace	5	58 × 34 × 27 in 900-2,000°F	±10°F	8 × 34 × 27 in / 203.2 × 863.6 × 685.8 mm

Increasing Our Capacities at TASE Chennai with 25 Additional Machines on Order Contributing to 1,50,000hrs Annually from Jan -2027.