



ALIGN
PRECISION



Your partner for **manufacturing excellence**

Precision-manufacturing expertise

From fracture-critical structural parts for aerospace and defense programs to copy-exact components and assemblies for semiconductor and evolving high-tech applications, our support for industry-leading OEMs is aligned with your exacting standards.



AEROSPACE

Experienced supplier of precision-machined structural components and subassemblies in a wide range of materials for large-scale, fracture-critical applications.

DEFENSE

Exacting quality in the production of fracture-critical parts with advanced geometries and tight tolerances in hard metals, aluminums, and exotic alloys.

SEMICONDUCTOR

Copy-exact manufacturing and clean-room subassembly services with deep knowledge in high-purity materials and meticulous attention to surface-finish quality.

HIGH-TECH INDUSTRIES

Superior manufacturing services from start to finish meeting even the most challenging requirements of evolving high-tech applications and industries.

State-of-the-art facilities providing end-to-end-support

ALIGN PRECISION brings superior precision-manufacturing expertise to a range of demanding high-tech industries requiring tight-tolerance components and assemblies. With our broad range of capabilities, OEMs and Tier One suppliers can eliminate the need to juggle multiple subcontractors and vendors. We are the reliable partner for turnkey solutions of complex machining, component assembly, finishing services, and related supply chain integration.



Materials Expertise

No matter your material needs, we have deep experience in a range of aluminums and hard metals, from high-nickel-based alloys to titanium to high-purity materials.



- ✔ Titanium, aluminums, alloys, and other exotic materials
- ✔ High-purity RSA 443, 316L VIM-VAR, and 316L VAR
- ✔ Nitronic grades and Hiperco
- ✔ High-nickel-based alloys



Engineering and Design

Our engineering teams have the knowledge and experience to determine the ideal solutions for your parts, components, and subassemblies—aligned with your business.



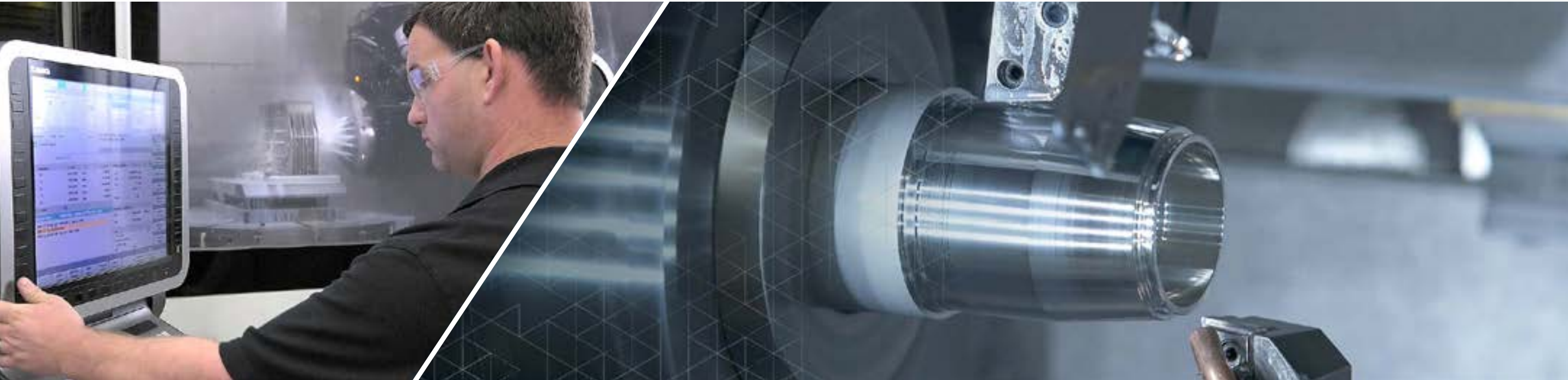
Accelerating product development

- ✓ Design for manufacturability (DFM)
- ✓ Modeling and prototyping of parts and assemblies
- ✓ CNC simulation for collaboration and verification
- ✓ Over-tolerance cost avoidance
- ✓ Design cycle compression
- ✓ Process improvement and cost reduction



Precision Machining

Our deeply experienced team answers your call for intricate, tight-tolerance parts and components using state-of-the-art machining equipment and technologies.



Mission-critical accuracy

- ✓ Micro-to-massive, sketch-to-scale
- ✓ Batch to high-volume production
- ✓ Single-source project management
- ✓ Secure data exchange
- ✓ Multi-axis milling and turning capability
- ✓ EDM machining, wire and electrode
- ✓ Automation, pallet management, and robotics
- ✓ High-speed machining
- ✓ Multi-spindle, multi-turret turning capabilities
- ✓ Specialty and exotic metals, castings and forgings, non-metals
- ✓ Comprehensive testing and cleaning



Sheet Metal Fabrication

Precision metal-forming solutions for complex components, structural assemblies, and skins. Capabilities include complex hydroforming plus titanium and aluminum expertise.



Vertical integration takes flight

- ✓ Skin stretch up to 144" long
- ✓ Extrusion stretch up to 260"
- ✓ Hydroform 40" diameter, up to 7" draw
- ✓ 800-ton press with rubber blocks 12"x120", 48"x72", 48"x48"
- ✓ Match metal forming (pans, skins, bulkheads)
- ✓ Brake form up to 10'

Titanium metal forming

- ✓ Hot brake
- ✓ Hot form 4-post press
- ✓ Stress relieve

Aluminum metal forming

- ✓ Hot joggle



Special Processing

Our in-house finishing options include chemical bonding and NADCAP-certified processes such as anodizing, penetrant inspection, passivation, etching, and painting.



NADCAP-certified to finish the job

- ✓ Chemical conversion coating and bonding
- ✓ Anodizing
- ✓ Penetrant inspection
- ✓ Passivation
- ✓ Titanium etch
- ✓ Painting and dry-film lube



Customized Services

Our customized services deliver you market-ready products with shortened timelines, a lower total cost of production, and related supply chain integration.



Assembly capabilities

- ✔ Innovative, long-term agreements
- ✔ Integrated commodity parts supply for one-source simplicity
- ✔ Kanban dock-to-stock just-in-time shipping
- ✔ Parts and assembly packaging direct to production
- ✔ Subassemblies including inspection and certification
- ✔ Variable count stocking flexibility
- ✔ Vendor-managed inventories



Quality Assurance

OEMs in aerospace, defense, semiconductor, and high-tech industries demand the tightest tolerances and most exacting finishes. We deliver with a relentless pursuit of perfection.



Relentlessly pursuing perfection

- ✓ Laser trackers
- ✓ Portable 3D measuring arms
- ✓ Coordinate measuring machines
- ✓ Inspection software
- ✓ First article inspection documentation, data, and reports

Investing for greater customer experiences

- ✓ Electronic records retention and reporting, full product traceability
- ✓ Strict network security standards
- ✓ Automated video measurement and scanning probe
- ✓ Gage tracking and calibration software
- ✓ Optical measurement systems
- ✓ Digital profilometers and comparators
- ✓ Automated data collection software
- ✓ FAIR reporting per all industry standards

Centers of Excellence

Our deeply experienced team answers your call for intricate, tight-tolerance parts and components using state-of-the art machining equipment and technologies.

ALABAMA

ALIGN PRECISION – **Tuscaloosa** Plant I
14120 Hwy 11 N. Cottondale, AL 35453
205.553.7623

ALIGN PRECISION – **Tuscaloosa** Plant II
10455 Technology Drive Cottondale, AL 35453
205.553.7623

ARIZONA

ALIGN PRECISION – **Chandler** Plant I
205 S. McKemy Ave. Chandler, AZ 85226
480.961.7673

ALIGN PRECISION – **Chandler** Plant II
6985 W. Frye Road Chandler, AZ 85226
480.961.7673

ALIGN PRECISION – **Chandler** Plant III
6975 W. Frye Road Chandler, AZ 85226
480.961.7673

ALIGN PRECISION – **Tempe** Headquarters
730 W. 22nd St. Tempe, AZ 85282
480.968.1778

CALIFORNIA

ALIGN PRECISION – **Anaheim** Plant I
7100 Belgrave Ave. Garden Grove, CA 92841
714.961.9200

ALIGN PRECISION – **Anaheim** Plant II
20445 E. Walnut Drive N. City of Industry, CA 91789
714.961.9200

FLORIDA

ALIGN PRECISION – **Clearwater**
9000 68th St. N. Pinellas Park, FL 33782-4401
727.541.3575

MAINE

ALIGN PRECISION – **Arundel**
20 Technology Drive Arundel, ME 04046
207.985.8555

OREGON

ALIGN PRECISION – **North Plains**
30780 NW Highland Court, Bldg. B North Plains, OR 97133
503.647.2220

PENNSYLVANIA

ALIGN PRECISION – **Philadelphia**
3063A Philmont Ave. Huntingdon Valley, PA 19006
215.947.3333

UTAH

ALIGN PRECISION – **Cedar City** Plant I
526 Aviation Way Cedar City, UT 84721
435.586.3871

ALIGN PRECISION – **Cedar City** Plant II
597 N. 1500 W. Cedar City, UT 84721
435.586.3871



alignprecision.com

Your partner for **manufacturing excellence**