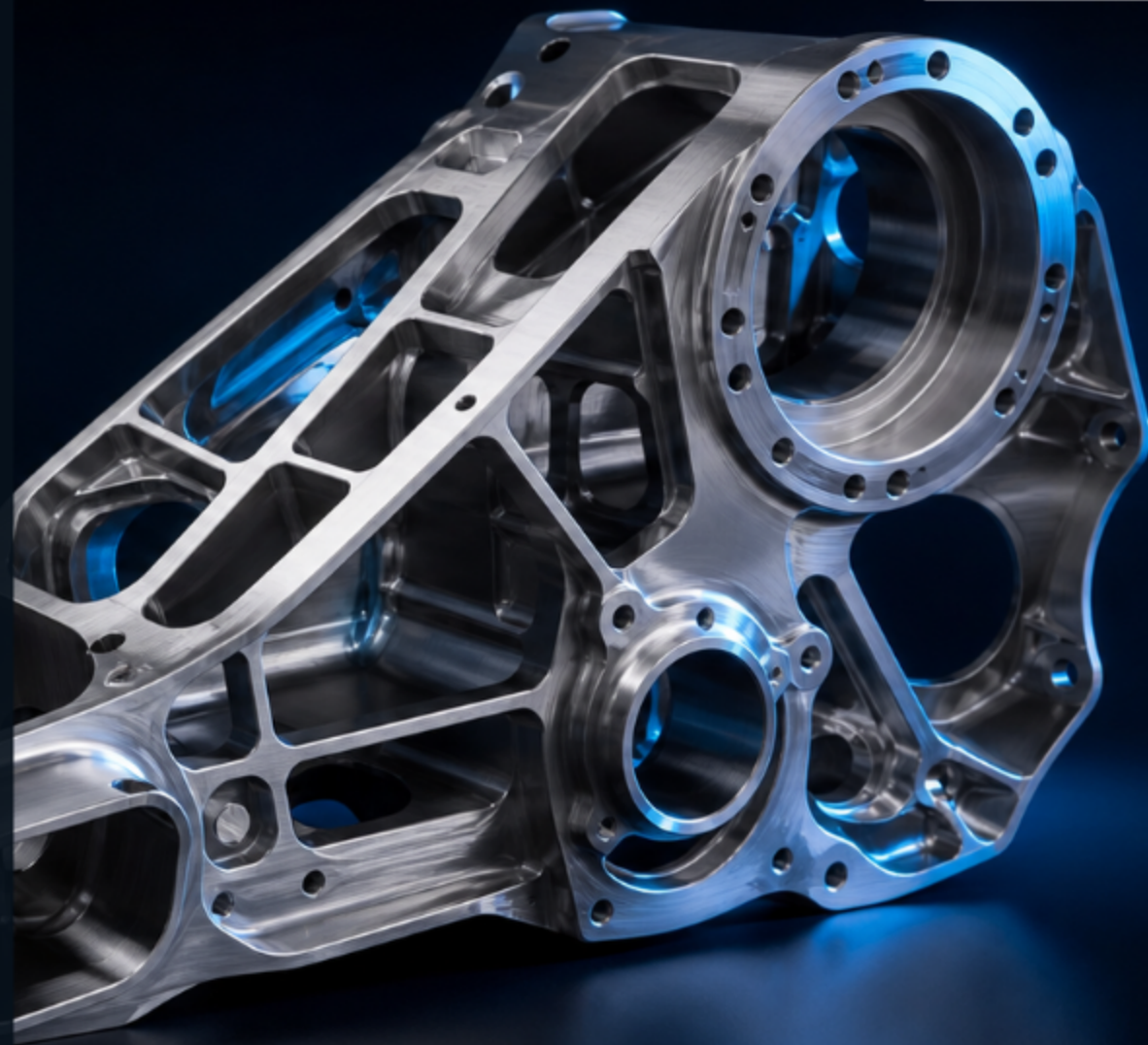


Aerospace & Medical Precision Manufacturing

CNC Turning, Complex Machining & Liquid
Silicone Rubber Components

CUSTOM MANUFACTURING TO CUSTOMER DRAWINGS



Precision manufacturing across aerospace and medical applications

AEROSPACE CNC

Precision turned, milled and turn-milled components for demanding aerospace applications.

MEDICAL CNC

Custom machined components for surgical instruments and medical equipment.

MEDICAL LSR

Flexible molded components for sealing, flow control, respiratory interfaces and device protection.

Built for drawing-based, application-specific manufacturing.

Precision CNC Components for Aerospace Applications

CNC turning • turn-milling • complex machining

MANUFACTURED TO CUSTOMER DRAWINGS



Precision-turned components with controlled functional features



Precision Shafts

Long turned bodies with cross-holes, slots and end features.



Threaded Plugs & Inserts

Compact turned components with threads, bores and flange profiles.



Threaded Tubes & Sleeves

Tubular parts with external threads and machined flats.

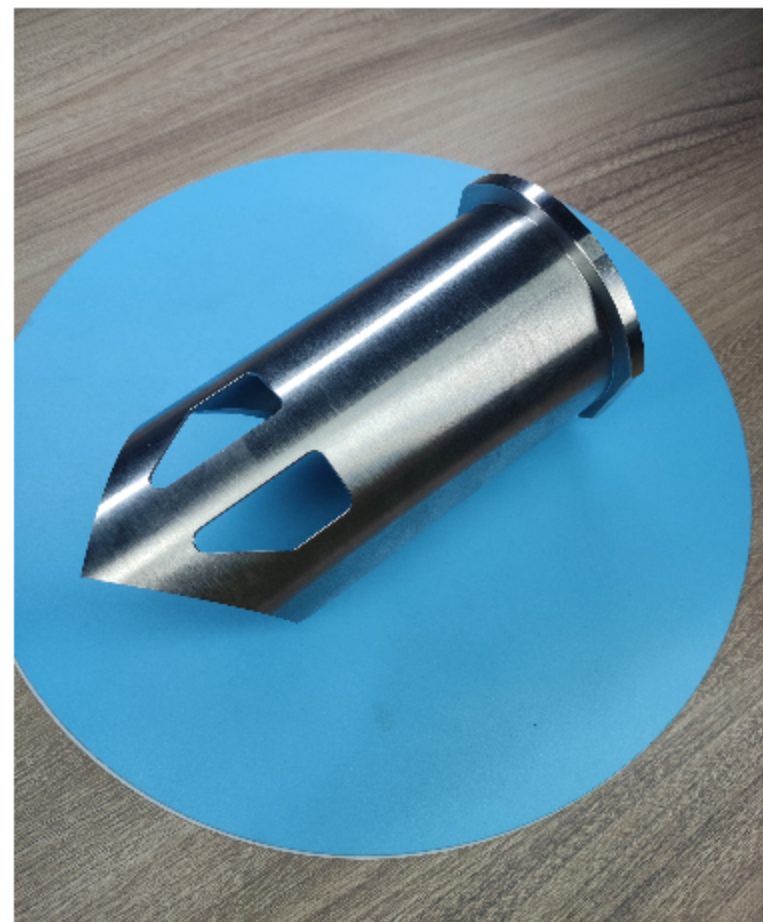
Turn-milling supports complex aerospace part geometry



Angular Fittings
www.mimprecision.com



Windowed Components



Slotted Sleeves

Threaded fittings and sleeves for aerospace assemblies

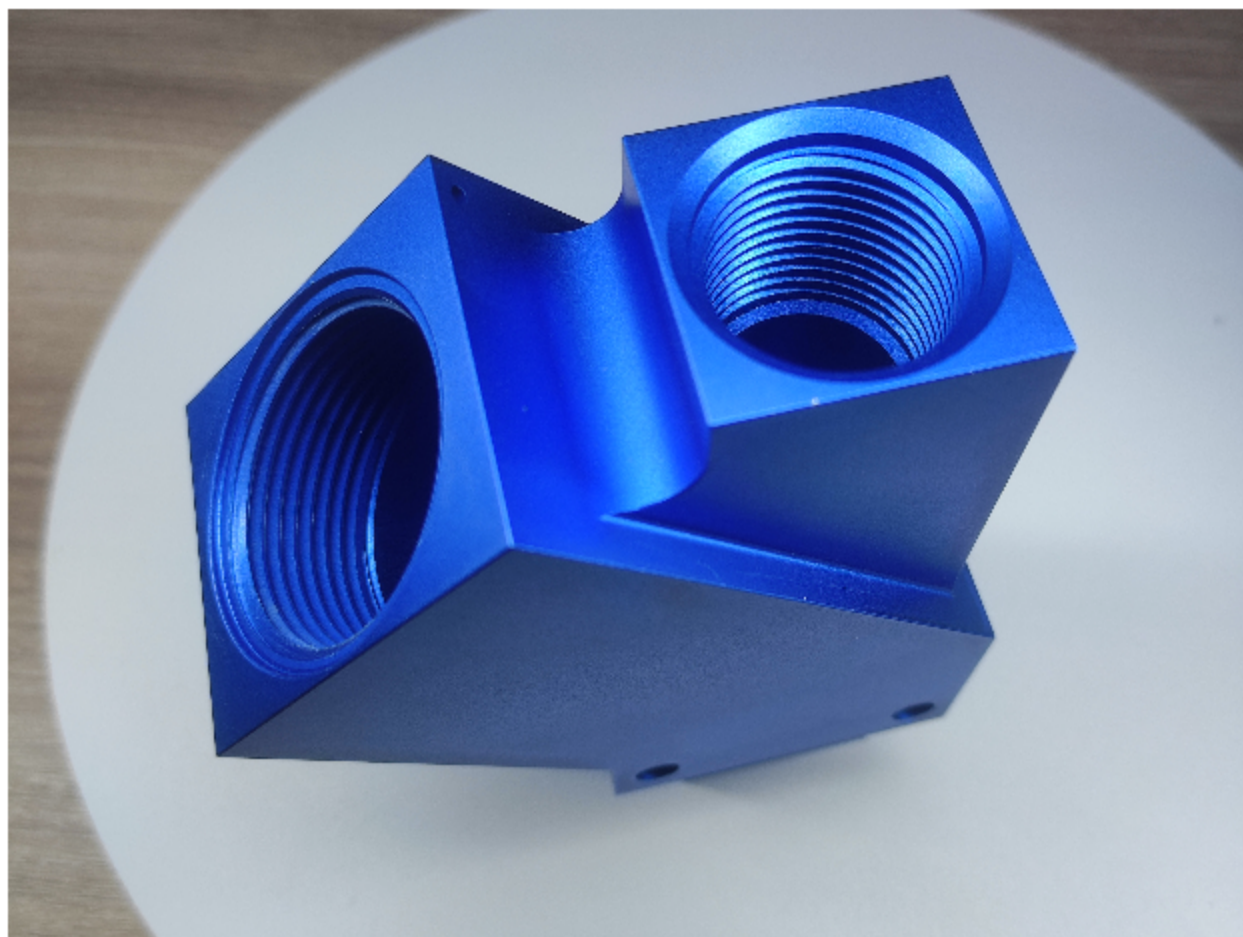


Turned Fittings
www.mimprecision.com



Turned Sleeves & Tubular Parts

Machined, anodized and formed aerospace components



Anodized Aluminum Components

Complex machined bodies, internal threads and customer-specified surface finishes.

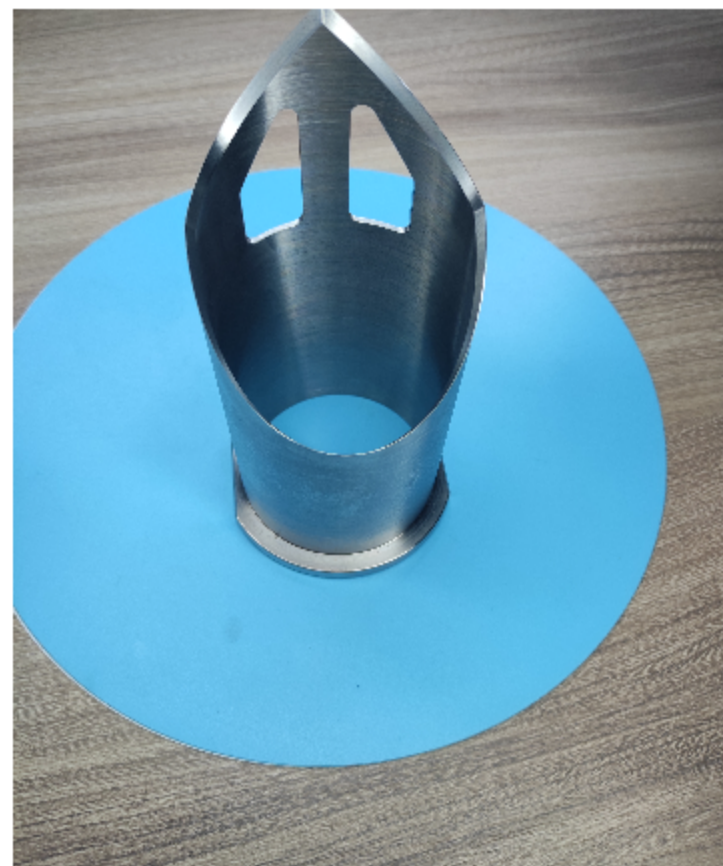
Additional precision-turned aerospace components



Angular CNC Fittings

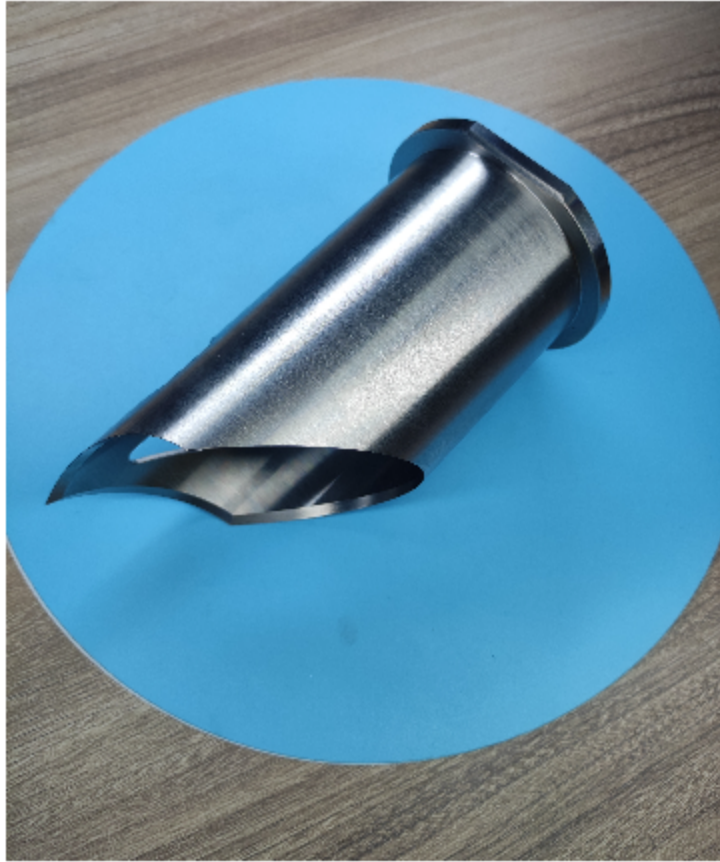


Complex Machined Parts



Slotted Sleeve Components

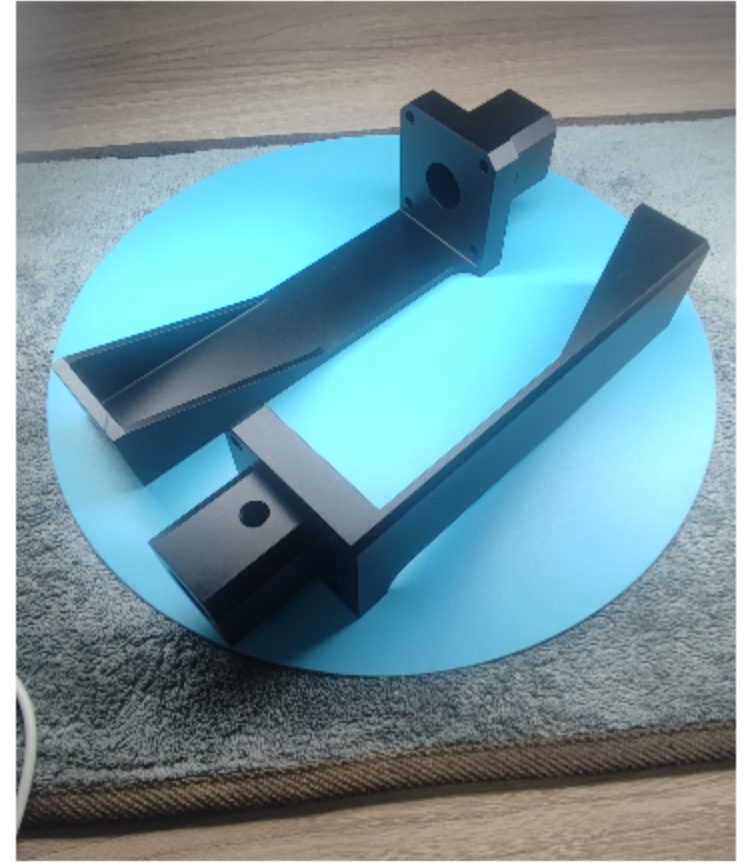
CNC-machined sleeves, plates and structural components



Profiled Sleeve



Machined Plate Components



Precision Machined Beams

Precision Components for Medical Devices

CNC-machined instrument components and
custom liquid silicone rubber products.



Precision-machined components for medical instruments

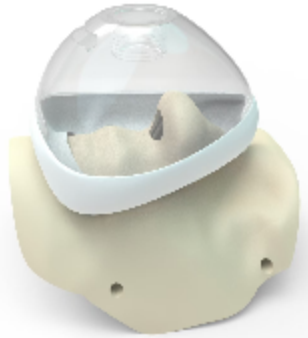


Medical CNC Machining

MIM Precision manufactures custom metal components for medical and surgical instrument programs. The portfolio includes handles, shafts, buttons, inserts, threaded knobs and other small precision hardware.

- Complex turned and milled geometries
- Small precision features and internal threads
- Surface-finish options to customer specification
- Prototype and production support

Representative medical CNC-machined product families



Custom Medical Assembly

Representative device component supplied for medical product development.



Handle Insert

Compact cylindrical insert manufactured to customer geometry.



Retractable Awl Button

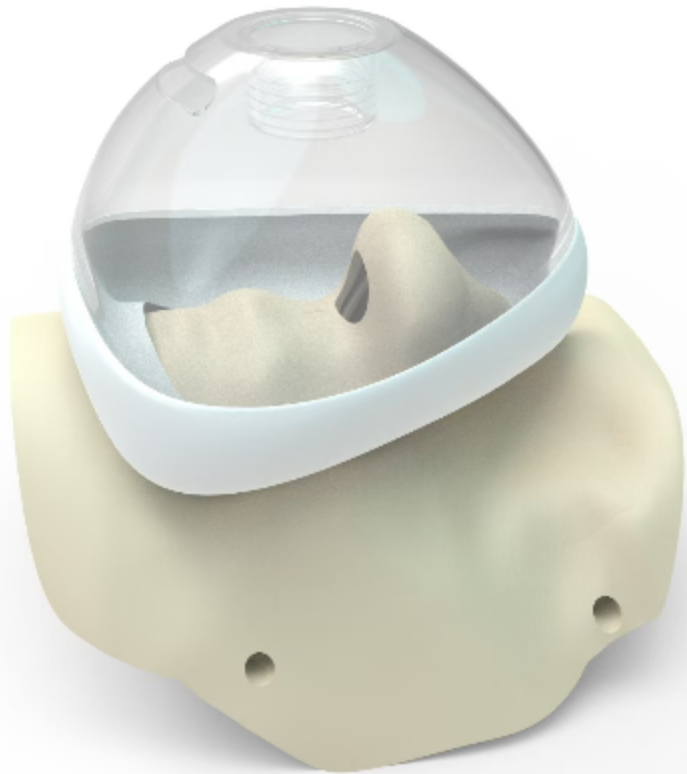
Small actuation component with controlled external features.



Threaded Knob

Internally threaded adjustment component with a grippable profile.

Liquid silicone rubber broadens the medical portfolio



Medical LSR Components

Liquid silicone rubber is suited to precision injection molding of flexible, intricate parts. Representative applications include sealing, cushioning, flow-control and protective interfaces for medical devices.

Representative product directions

Respiratory mask cushions • Soft interfaces • Seals • Valves • Diaphragms • Stoppers

Material selection and compliance requirements are confirmed per project.

Soft respiratory interfaces combine sealing and comfort



Typical component types

- Mask cushions
- Flexible bellows
- Connector boots
- Soft seals
- Custom interface parts

Representative imagery

Precision-molded valves, diaphragms and seals

Flow-control and sealing components can be developed around the required geometry, flexibility and interface conditions.

ONE-WAY VALVES

Duckbill and umbrella-style concepts

DIAPHRAGMS

Thin flexible membranes and sealing profiles

SEALS & CLOSURES

O-rings, stoppers and custom molded forms



Representative medical LSR product range



Product directions

- 01 Respiratory mask cushions**
- 02 Duckbill and umbrella valves**
- 03 Thin diaphragms and membranes
- 04 O-rings and precision seals
- 05 Flexible connectors and bellows
- 06 Stoppers, closures and protective parts

All products are customized to approved drawings and specifications.

LSR development begins with the application interface

01

GEOMETRY

Parting line, wall section, sealing profile and assembly interface.

02

MATERIAL

Hardness, color and medical-use requirements confirmed per project.

03

FUNCTION

Sealing, cushioning, flow control or protective performance.

04

VALIDATION

Sampling and inspection aligned to the approved specification.

Final material and compliance selections remain customer- and application-specific.

A drawing-led path from concept to production

01 REQUIREMENT REVIEW

Geometry, application, material, finish and inspection needs.

02 PROCESS DEVELOPMENT

Machining or molding route selected around the approved design.

03 SAMPLE & VALIDATION

Samples and measurements prepared to the agreed project plan.

04 CONTROLLED PRODUCTION

Repeatable manufacturing and inspection aligned to customer requirements.

A complete RFQ helps us respond with the right process

Please include

- 2D drawing and 3D model
- Material and surface-finish requirements
- Critical dimensions and inspection expectations
- Prototype quantity and annual volume
- Target timing and delivery destination

CNC TURNING
CNC MILLING
MEDICAL MACHINING
LIQUID SILICONE RUBBER

Custom manufacturing to approved drawings

Let's develop your next precision component.

Aerospace CNC • Medical CNC • Liquid silicone rubber molding

Please provide drawings, material requirements, annual volume and quality expectations for project review.