

INSPECTION INSTRUMENTS

- 1 Mitutoyo Crysta-Apex C 544 CNC coordinate measuring machine, w/ Renishaw MH20i probe. Axis travels 20" x 16" x 16". Resolution 0.000004".
- 1 Hexagon Metrology PC-DMIS software. Provides for direct CMM inspection from imported solid models. Powerful, flexible reporting tools enable inspection and documentation of complex geometric tolerances.
- 1 Mitutoyo Series 176 toolmaker's microscope, 30X magnification, 2" x .00005" resolution digital micrometer, variable power fiber ring light.
- 3 Stereo zoom microscope, 7-45X magnification for parts inspection.
- 1 Titan borescope, 50X magnification video display
- 1 Mitutoyo Surf-Check Model 178602 profilometer
- 1 Jones & Lamson Model TC-10 optical comparator, 10X and 20X magnification
- 1 24 x 36 x 4 Standridge granite surface plate
- 1 18 x 24 x 4 Grade A granite surface plate
- 1 12 x 24 x 4 Grade A granite surface plate

Full complement of hand-held measuring instruments including specialty micrometers

Comprehensive set of ground and calibrated thread plug and ring gages

Gage blocks and pins



CAPABILITIES

Precision Machining

- Vertical Milling
- Horizontal Milling
- 3-axis Turn-Mill with live tools
- 7-axis Turn-Mill screw machining
- EDM
- Grinding
- Hardware assembly

Quality Inspection Services

- CMM Inspection
- Surface Finish
- Statistical Process Control
- Certification of all processes

Lean Production Management

- Lights Out! Production
- Kanban
- Demand Flow
- JIT delivery

Engineering

- Design for Manufacture
- Mechanical Engineering Design
- Mechanical Engineering Analysis
- Solid Modeling
- CAD detailing

Finishing Processes

- Centrifugal tumbling
- Vibratory tumbling
- Bead blast
- Heat treat
- Plating
- Anodize and alodine
- Electropolish and passivation
- Masking
- Liquid paint
- Powdercoat

Materials

JACO excels in machining all types of materials. Contact us to discuss specialty materials.

Metals

- Aluminum
- Brass
- Bronze
- Copper
- Nickel
- Hastelloy
- Inconel
- Kovar
- Monel
- Stainless Steel
- Titanium

Plastics

- Acrylic (Plexiglass)
- Acetal (Delrin),
- Fluoropolymer (Teflon),
- Polyamide (Nylon),
- Polyamide-imide (Torlon),
- Polycarbonate (Lexan),
- Polyether ether ketone (PEEK),
- Polyetherimide (Ultem)

