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## Our Story

JACO is an ISO 9001-2008 certified manufacturer of precision components and assemblies for high technology industries.

Our company was founded in 1979 and continues to be family owned and operated with three generations of family management. In 2000 JACO made a successful transition from first to second generation management, and are now grooming our third generation. Multi-generation family involvement assures continuity and longevity in our customer relationships.

In 2004 we celebrated our 25<sup>th</sup> anniversary and launched a strategic initiative to increase our competitiveness through investment in advanced manufacturing, inspection and information technologies. These investments enabled JACO to deliver big improvements in efficiency, quality and service to our customers.

In 2009 JACO is celebrating our 30<sup>th</sup> anniversary by launching a new strategic initiative to become expert at **lean production**. This will enable us to deliver even greater value and service to our customers.

We are eagerly developing lasting relationships with customers who value what we offer, a reliable, efficient manufacturing partner focused on our own success through making our customers more successful.

## Mission Statement

JACO Machine Works seeks to consistently supply the best **value** in high precision custom-machined parts and services. Our small size allows us to stay focused on the operating principles that have made us successful. To achieve these goals at JACO we:

- Hire and empower talented employees and hold them accountable for their performance;
- Invest in quality tools, equipment and technologies that give us competitive advantage;
- Strive to build strong customer partnerships by providing parts that exceed expectations and deliver inventory solutions that help them better manage their operations;
- Advise our customers with manufacturing and engineering expertise to help them make cost effective design decisions;
- Continuously improve our processes to gain efficiency and deliver ever more **value** to our customers.

## Quality Statement

JACO's customers will not accept discrepant material. They prefer not to inspect incoming products and wish to build partner relationships with trustworthy suppliers who can reliably deliver defect-free products. JACO's success depends on being a supplier who can continuously exceed these customer expectations. We will improve our management system and our manufacturing processes to achieve this goal. This will be achieved by measurable quality objectives that will be communicated throughout the organization.

## PRODUCTION EQUIPMENT

### Milling Machinery

- 2 Makino a51-A60 Horizontal Mill. 30 hp, 12,000 rpm spindle. 22" x 22" x 20" axis travel, dual 400mm pallet changer. Highly efficient workhorse mills designed for high speed and precise machining. Tooled for flexible automation to accommodate high or low volume production with minimal labor cost. **New in 2004 and 2008!**
- 1 Kitamura HX-250iF Horizontal 5-axis Mill. 10 hp, 15,000 rpm spindle. 12" x 12" x 12" axis travel, dual 2500mm pallet changer. Small, high speed and highly precise, this machine is ideal for small parts with close tolerances and complex geometries. Also tooled for flexible, automated production. **New in 2009!**
- 2 Excel PMC-5T18 CNC Vertical Mill. 5 hp, 10,000 rpm spindle. 20" x 16" x 18" axis travel. These verticals provide a good balance between speed and flexibility in the low to medium volume range. Quick programming and setups on these mills allow us to make prototypes parts efficiently. These mills perform very well on the broad spectrum of materials and part geometries that our customers require.

### Turning Machinery

- 1 Emco Maier 345/II CNC Turn-Mill lathe. 17 hp, 6300 rpm spindle. Work piece envelope 6" dia x 27.0" long, 1-3/4" dia bar thru spindle. This jewel is equipped with all the bells and whistles. It can turn a part, then in the same operation cut complex mill geometries with driven tools. It makes parts in a single operation that previously took three different machines. Part tolerances and surface finishes are outstanding!
- 2 Ganesh Cyclone 32CS Screw machine. Simultaneous synchronous machining on 10 hp, 6000 rpm main spindle and 5 hp, 6000 rpm sub-spindle. 27 cutting tools including 8 driven axial tools and 4 driven radial tools. Full C-axis path control in both main and sub spindles. 1.25" dia bar thru spindle. Automatic bar load/feeder. **New in 2007 and 2009!**
- 1 Hardinge HC Chucking Machine, 8-position turret.

### Other Equipment

Parlec tool presetter enables setting tool lengths offline providing faster job setups.  
Centrifugal and Vibratory Tumblers for automated parts finishing.

## 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. **New in 2008!**
- 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