



www.wmstool.com



*Manufacturing component parts for
Pressure Sensing, Miniature Valves, and
Instrumentation assemblies with our
State-of-the-Art CNC Turning
and In-Process Milling.*



Machining Capabilities

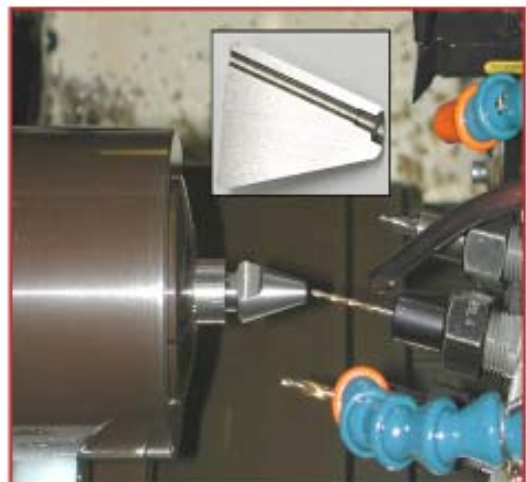
- CNC Turning with In-Process Milling and Off Center Drilling
- Specializing in machining 300 Series Stainless Steel, Titanium, Aluminum, and Brass
- Production quantities 100-50,000+ pieces.
- Diameter .25- 2.0 in. through bar capacity
- Chuck parts up to 6" diameter
- 12' Hydro-Dynamic Bar Feeders for vibration dampening machining
- High Pressure Coolant feed drills for high-speed small hole drilling
- 2nd Operation Robotic Loading
- CNC Gun Drilling
- Custom Engineered Part Fixturing
- Small Hole EDM drilling .012-.125 diameter
- In-house Heat Treatment and Passivating for Turn-Key part delivery



Overhead Vertical In Process Milling



Precision C-Axis Milling



In Process Angle Hole Spot, Drill, and Form Drill



Commitment to Excellence



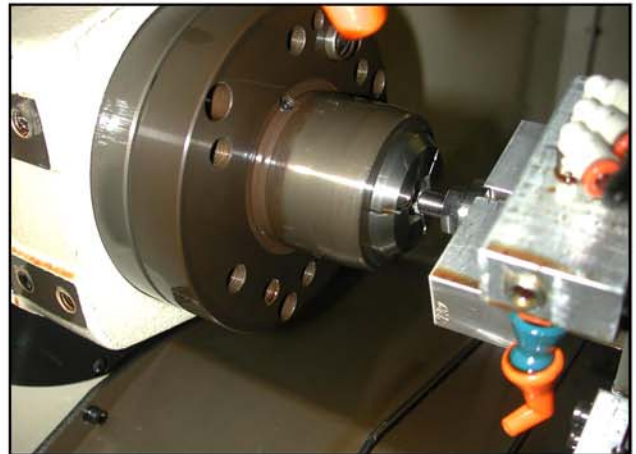
Custom Designed Packaging insures your part protection during shipping.



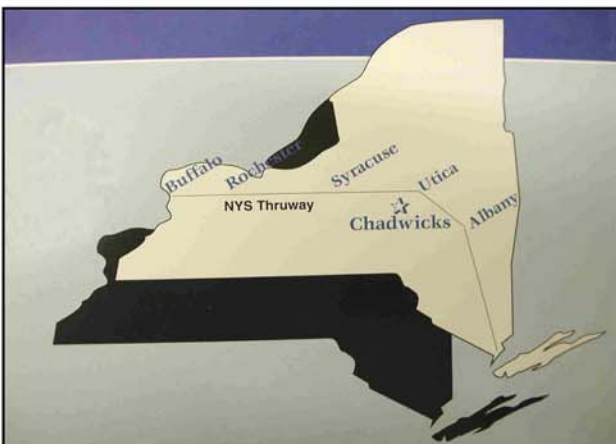
Motoman 6-axis Robots enables us to load parts with precision accuracy for 2nd operation machining.



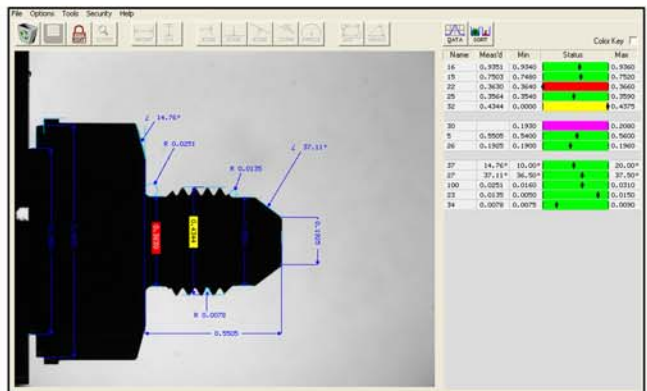
Mitutoyo Gages gives us world class gaging accuracy and repeatability.



Parts of various shapes such as Hexes, Squares and Rectangles can be loaded without nicks, dents, or scratches on 2nd operation machining.



Plant Location in Central New York helps us serve our customers in the NY, NJ, PA, and the New England States.

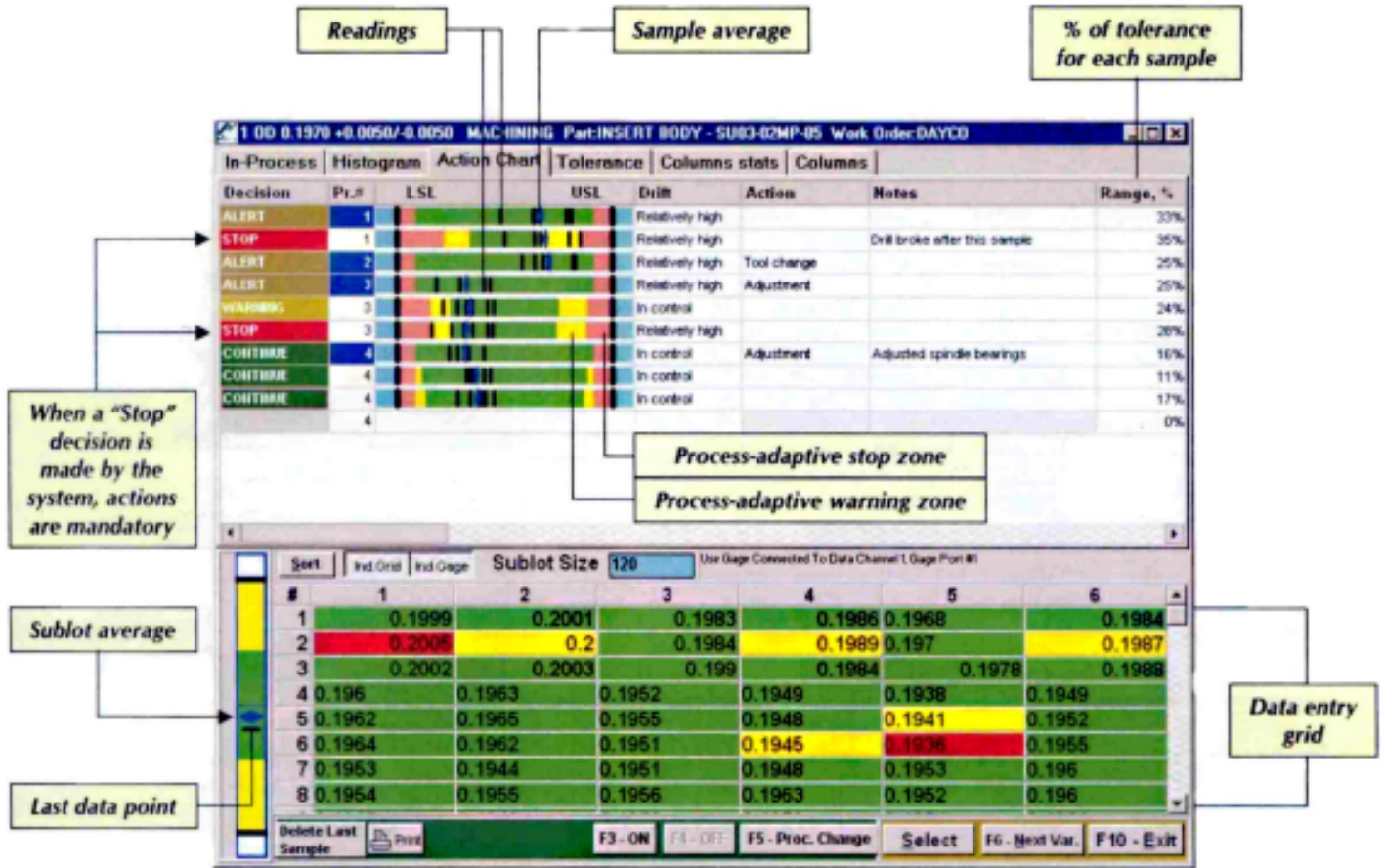


Oasis-Optical Automatic Smart Inspection System.



GUIDING AN OPERATOR TO THE BEST PROCESS DECISION

Measurements are spread, and are getting closer to the specification limit. It is an important moment. Make the most with MICRONITE real time solutions. Unique predictive modeling helps anticipate each process turn. So, whether an operator is running a simple or a complex job, his/her needs are met.



This picture is an example of a typical operators screen on one of the 10 workstations controlling 18 CNC lathes.

“Operators are able to run multiple machines and MICRONITE manages inspections for them to insure all dimensions are checked during the production run.”

“MICRONITE enabled us to immediately analyze process capability versus customer limits. We have been consistently running between 4 and 6 sigma.”

Our goal of continuously improving our production methods can help us maintain higher efficiencies. We strive to give our Customers the highest quality parts at competitive prices.

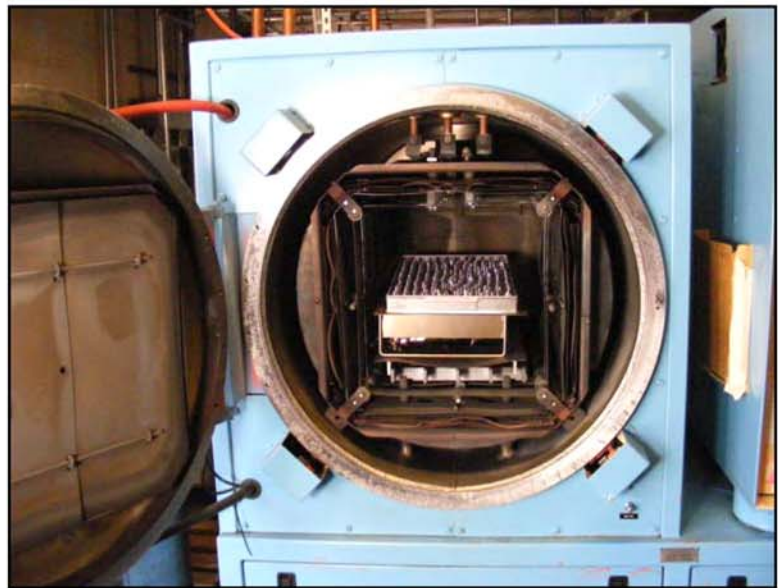
-Williams Tool, Inc.

Turnkey In-House Services



- Computer Controlled Micro Tig Welding
- Micro-Etching to inspect weld depth-of-penetration complete with digital photograph.
- Ultra High Purity Argon used for purge and process control to reduce surface discoloration.
- Various part programs can be stored on computer to insure parts repeatability.

- Vacuum heat treating at 10 to -6 Torr to eliminate surface discoloration
- Center of load thermocouple used to monitor in process part temperatures
- Chart recording of heat treating process and set points
- Processes include bright precipitation hardening of 17-4 and 15-5 materials to conditions H900, H1025, and H1150



“We are dedicated to Quality and Customer Satisfaction”

Williams Tool, Inc.
www.wmstool.com

PO BOX 430
9372 Elm St.
Chadwicks, NY 13319

Phone: 315-737-7226
Fax: 315-737-5570
Email: jgerling@wmstool.com