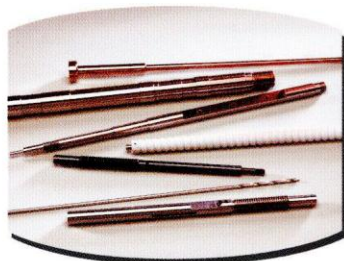


PRECISION SOLUTIONS FOR INDUSTRIES WORLDWIDE



Highly skilled
machinists

Cutting-edge
equipment

Impeccable
reputation
**for quality
and service**

AccuRounds is known around the world as an industry leader with the highest of standards.

Precision is our Passion.

AccuRounds is a uniquely different precision machining company. Excellence is our goal with every part we manufacture. We specialize in the machining of custom cylindrical components, intricate shafts and miniature pins; such as feed rollers for graphic imaging equipment, medical bone reamers for orthopedic surgery, firing pins for military equipment, valves for oil/gas pumps and guide shafts for power generation. The superior quality of our parts will improve the performance of your products. We work with all types of material including stainless steel, titanium, plastics and exotics. In addition, we offer value-added sub-assemblies.

Our engineering staff will bring fresh ideas to the table, committed to finding the best possible manufacturing solution for your component. With CNC Swiss screw machining, CNC turning and milling, complemented by complete grinding services, we have the capability to process parts in the most cost-effective manner.

One look at AccuRounds' manufacturing floor instantly reveals the continual investment in state-of-the-art technology. Equipment is regularly upgraded in order to produce the highest quality parts at competitive prices. State-of-the-art equipment along with the skilled operation of our talented machinists yields unmatched quality and efficiency. Furthermore, the floor layout is planned around Value Streams. Some of the benefits realized from this layout are:

- Reduced waste in the process yielding shorter lead-times
- Reduced in-process inventory allowing for JIT and kanban deliveries
- Rapid response due to improved flow of both product and information

Quality Assurance

Accuracy is not only critical to our success; it is critical to the success of our customers. To that end, quality assurance is at the forefront of our process control environment.

- Adherence to documented procedures ensures consistency from part to part, run to run.

Customer Service

AccuRounds is committed to providing a level of service that is extraordinary. We want your buying experience with us to exceed your expectations, ensuring a long-term partnership. We pride ourselves on attention to detail and adapting our services to meet your needs. For example, we've instituted customized pull systems and paperless billing in response to specific customer requests.

A fully integrated computer system streamlines the manufacturing process with key benefits such as increased manufacturing productivity, shorter leadtimes, reduced costs and greater responsiveness.

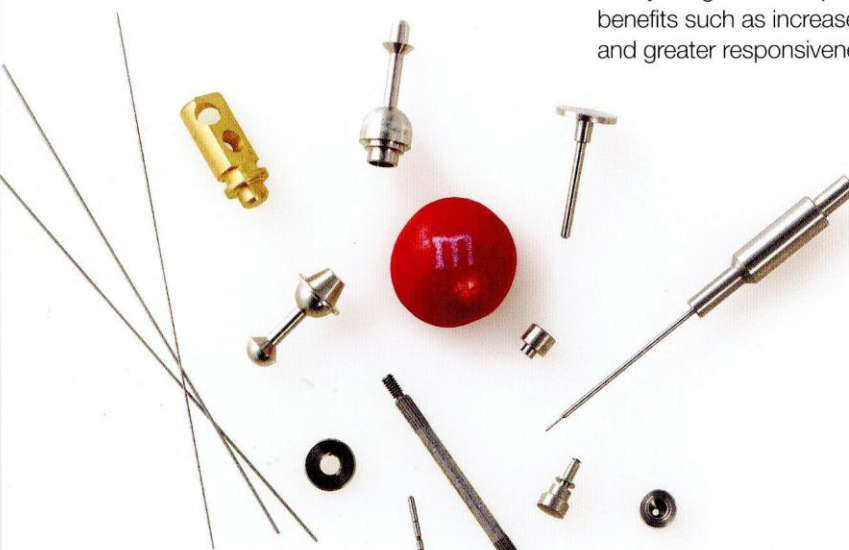
Industries Served

- Medical
- Aerospace
- Semiconductor
- Defense
- Automotive
- Power Generation

Values – Trust, Team-First, Excellence, Initiative

We incorporate our values into all aspects of our business, both internally and externally. By adhering to these values, we can assure that co-workers, customers and suppliers are treated with the utmost respect and integrity, all striving for a common goal.

ISO 9001:2008 Certified



World Class Enterprise

THE QUEST



Utilizing lean techniques ensures the most competitive manufacturing solution for the customer

You can trust AccuRounds to deliver the results you need.

Lean manufacturing is the foundation for operations at AccuRounds. We are constantly striving for ways to improve processes and become more efficient in all facets of the organization. AccuRounds began the journey of lean manufacturing in 1995. We made the decision to become a World Class Enterprise because of the impending market dynamic changes towards smaller production lots, shorter lead-times and increasing pricing pressure trends. Making the commitment to continuous improvement enabled us to address these issues, remain competitive and grow our organization.

AccuRounds initiated a World Class Improvement Program called “The Quest”.

The definition of World Class: An operating philosophy that has as its basic objective continuous improvement, through involvement of all employees, focusing on absolute quality and the elimination of waste.

Overall Objective of our World Class Program:

To significantly improve the business performance, competitive posture and internal quality of life at AccuRounds.

Over time, a cultural shift took place, and today, the entire AccuRounds team is dedicated to driving non-value added steps from processes encompassing all facets of the operation while maintaining the highest quality. The reduction of waste ultimately drives down costs and expedites manufacturing time. As a result of utilizing lean methods, AccuRounds is a highly flexible organization able to respond rapidly to changing customer requirements.

The Four Components of our Successful Program:

CFP – Customer Focused People

- High performance workforce
- Developing world class people
- Flexible employees are more valuable than expert employees

LBP – Lean Business Practicing

- Creating waste free processes
- Focused layouts
- Efficient small lot process flows – low inventory exposes productivity problems

SRM – Systems & Resource Management

- Gives quantitative direction
- Achieving predictable results

TQM – Total Quality Management

- Assuring Robust Processes/ Consistent procedures
- Training
- Continuous process improvement

This ongoing program involves the entire company and directs continuous improvement efforts while employing world-class manufacturing techniques.

Methods Practiced

- 5S
- Kaizen
- Value stream mapping
- Takt time/Line balancing
- Process flow mapping
- Pull Systems/Kanban
- Poka-yoke

AccuRounds was the first metalworking contract manufacturer in North America to receive the esteemed **Northeast Shingo Prize**. This award recognized AccuRounds for achieving world-class manufacturing status through the implementation and practice of lean manufacturing principles.



ISO 9001:2008 Certified

State-of-the-Art Technology

FACILITIES LIST



CNC Swiss Machining Centers

Diameters from .005" to 1.25"

Lengths to 12 feet

Tolerances to .0002"

- (1) 9-Axis Star ECAS-20, FMB bar loader; 3/4" capacity
- (1) 7-Axis Star SV-32JII, lemca bar loader; 1-1/4" capacity
- (1) 7-Axis Star SR-20RII, LNS bar loader; 3/4" capacity
- (2) 7-Axis Star SR-10J, SMW bar loader; 3/8" capacity
- (3) 5-Axis Star SA-16, lemca bar loader; 5/8" capacity
- (2) 5-Axis Star SV-32J, lemca bar loader; 1-1/4" capacity
- (1) 5-Axis Esco 647; 1/4" bar/coil capacity
- (1) 3-Axis Esco 640; 1/4" bar/coil capacity
- (1) 2-Axis Star J-25, FMB bar loader; 1-1/16" capacity

CNC Milling Centers

Table size 12" x 20"

Max height — 18"

Tolerances to .0005"

- (1) 4-Axis Matsuura RA-II twin pallet; 6,000 rpm spindle
- (1) 4-Axis Fanuc Robo Drill; 8,000 rpm spindle

Conventional Equipment

- (1) Lathe, 17" Clausing
- (1) Lathe, 15" Clausing
- (1) Lathe, 13" Clausing
- (5) Lathe, HS Hardinge Chucker
- (1) Lathe, Hardinge HLV
- (4) Mill, Bridgeport
- (1) Broach, Ty-Miles
- (1) Saw, Hyd-Mech Horizontal Band
- (1) Saw, DoAll Horizontal Band
- (1) Saw, Dry Abrasive

CNC Slant Machining Centers

Diameters from .250" to 2.8" thru spindle,
up to 8" chuck

Lengths to 36"

Tolerances to .0002"

- (1) 6-Axis Nakamura-Tome WT-250, LNS bar loader; 2.5" capacity
- (1) 6-Axis Nakamura-Tome TW-10, lemca bar loader; 2" capacity
- (1) 2-Axis Nakamura-Tome SC-250, LNS bar loader; 2" capacity
- (2) 2-Axis Nakamura-Tome TMC-15, LNS bar loader; 1-5/8" capacity
- (1) 2-Axis Mori Seiki SL250B; 2.8" capacity

Grinding Equipment

Diameters from .062" to 10"

Lengths to 20 feet

Tolerances to .00005"

- (1) Cincinnati Milacron 220-8, Centerless Grinder
- (1) Cincinnati Milacron R-77, Centerless Grinder
- (1) Jones & Shipman, CNC Cylindrical Grinder
- (1) Kellenberger, Cylindrical Grinder

Inspection Equipment

Resolution to .00005"

Repeatability to .0001"

- (2) RAM Omis II Vision System
- (1) Federal 15" Quadra-Chek DRO probe comparator
- (1) Starrett HB350 Quadra-Chek DRO probe comparator
- (1) Zygo 1200 Laser Micrometer
- (1) Trimos Horizontal gage
- (1) Fowler Height gage
- (1) Perfekt Precision Length Gage
- (1) Sony/Navitar Video System



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