



Machining Technology for Today's Advanced Sciences

New Horizon Machine is a contract manufacturer offering out source machining and assembly services to original equipment manufacturers. In business for over 25 years we continue to grow using the latest technology and tools available. An ISO 9001:2000 certified company, we strive to achieve the highest level of quality in the parts and assemblies we manufacture and work to continuously improve on our practices.

Facilities

- ✓ 5,500 sq.ft. Temperature Controlled Building
- ✓ 4,700 sq. ft. Manufacturing Floor
- ✓ Clean Room Assembly Area
- ✓ 800 sq.ft. Office Area
- ✓ Networked Computers
- ✓ High-speed broadband internet access
- ✓ Quality Assurance Inspection Area
- ✓ Raw Material Stock Area

Milling

- ✓ Mori-Seiki SV-500 CNC Machining Center
- ✓ Mori-Seiki SV-50 CNC Machining Center
- ✓ Mori-Seiki MV-35 CNC Machining Center
- ✓ Kitamura High Speed CNC Machining Center
- ✓ Hitachi CNC Horizontal Machining Center
- ✓ (3) Bridgeport Millers with Digital Read-out

Turning

- ✓ Mori-Seiki SL-250 CNC Universal Turning Center
- ✓ Mori-Seiki SL-25 CNC Universal Turning Center
- ✓ Mori-Seiki SL-20 CNC Universal Turning Center
- ✓ Hardinge DSM59 Screw Machine
- ✓ Harrison M400 Precision Lathe
- ✓ Doosan S310SML Twin Spindle, C Axis (2005)

Supplemental

- ✓ Ultra-Path III CAD/CAM Programming Package
- ✓ Complete DNC to all CNC machines via network
- ✓ (3) HAAS CNC Rotary Indexers
- ✓ (2) CNC Rotary Tables
- ✓ JobBoss Shop Floor Control and Scheduling Software
- ✓ Job operation sheet bar code scanner tracking
- ✓ Daily automated file back-up via network server

Assembly

- ✓ Dedicated assembly area
- ✓ (3) Laminar Flow Class 1,000 Assembly Stations
- ✓ CAE Blackstone Aqueous Ultrasonic Cleaning System
- ✓ AquaCycler Dionized Water Generator
- ✓ Heat seal vacuum bag sealer with Argon backfill
- ✓ Bill of Material and Inventory Control software
- ✓ Network maintained Assembly Procedures
- ✓ Laboratory oven
- ✓ De-gassing vacuum bell jar



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New Horizon Machine Facilities and Capabilities List

Design and Engineering

- ✓ 2D CAD design and detailing
- ✓ 3D Solid Modeling and rendering
- ✓ Automation controls programming (PLC, Imbedded controllers, robots and PC based)
- ✓ Automation integration, tooling end effectors, pick and place systems and robotics
- ✓ Pneumatic and electro mechanical systems and assemblies
- ✓ Quality Assurance Inspection Area
- ✓ Controlled Raw Material Stock Area

Support

- ✓ Foam in place packaging system
- ✓ Bar Code Label Printer
- ✓ Internet and e-mail access
- ✓ Horizontal Band Saw
- ✓ Vertical Band Saw
- ✓ Table Saw
- ✓ Tumbling Machine
- ✓ Grit Blast Cabinet
- ✓ Welding Equipment
- ✓ Weigh-tronix Counting Scale

Inspection

- ✓ ISO 9001-2000 Certified
- ✓ Carl Zeiss Programmable CMM
- ✓ Rockwell Hardness Tester
- ✓ Deltronic Optical Comparator
- ✓ Mitutoyo Profilometer
- ✓ Federal Air Gages and Height Gages
- ✓ Micrometers, Calipers, Depth Micrometers
- ✓ Pin Gages, Thread Gages

Customers

- ✓ Ronal Industrial - Military
- ✓ Tridak, Indicon - Automated Dispensing
- ✓ KDF Electronic & Vacuum Service - Semi-Conductor
- ✓ Bomag - Electromagnetic Assemblies
- ✓ Goodyear/Lockheed - Aircraft
- ✓ Goodrich Aerospace
- ✓ Metron Technology - Semi-Conductor

