

E **Component
Engineers Inc.**

Facility

**108 North Plains Industrial Road
Wallingford, CT 06492**



**Metal Stamping • Medical Component Manufacturing • Tube Fabrication
CNC Machining • Wire EDM • Laser Marking**



Minster 300 Ton Press
with 42" X 108" Bed



Four New United Presses



Press Room with 35
Power Presses



Two Fanuc CNC Robodrills with
Pallet Changing Capabilities, Eight
Vertical CNC Machining Centers



Two Orion real-time
SPC data Collection Systems



Seven State-of-the-art
Wire EDM Machines



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Facilities List

- A 34,000 square foot building housing all machine tools listed.
- Certified ISO 9001:2000 and ISO 13485:2003. FDA Registered.
- Thirty-five (35) Power presses from 10 Ton up to 600 Ton capacities with speeds up to 600 SPM, including 200 Ton Bed 48" x 96" and 300 Ton Bed 42" x 108".
- Seven (7) State-of-the-art Wire E.D.M. machines. Maximum cut-able travel of (XYZ) of 20.5" X 14.5" X 12.0" with a max weight of 2200 pounds. Minimum corner radius of .0023 if necessary and Micro Finish capability.
- One (1) E.D.M. hole drill that burns from .003 dia. up to .125 dia. Burr-free.
- Eight (8) C.N.C. Vertical Machining Centers with travels up to 40" X 20" with a 12,000 RPM spindle, also with 4th axis, through spindle cooling, extended Z axis and 3D machining capabilities. A multiplier head complements the machining centers to reach spindle speeds of 30,000 RPM.
- Two (2) Robotic pallet changing machines for high efficiency.
- All C.N.C. and Wire E.D.M. equipment programmed with Mastercam 3D Version X (latest version).
- 24 Hour C.N.C. and Wire E.D.M. department.
- Two (2) Laser-etch machines with circumferential marking and light welding capabilities.
- Our engineering department is equipped with CAD including Cadkey and PRO-E. We can translate the following formats: DXF, DWG, IGES, STEP, SAT, STL, CADL or ParasolidX_T and more.
- Twelve (12) Toolmakers including complete die maintenance department.
- Fully staffed Q.C. Department with inspection equipment traceable to the American Bureau of Standards NCSL Z540-1 S.P.C. controls. Approved supplier for Automotive, Electronic, Medical, and Military-MIL-I-45208.
- One (1) Orion SPC data collection and analysis workstation.
- One (1) O.G.P. Smartscope video CMM able to measure parts (XYZ) of 12" X 6" X 6".
- One (1) O.G.P. Smartscope/Zip 250 with a 10" X 6" X 6" travel, version 10 software, TP 20 touch probe (Renishaw probe) and video capabilities.
- Two (2) Starrett Galileo Video Measuring System with 12 x 6 x 5.5 capacity, with Renishaw TP20 Touchprobe.
- One (1) Wilson Rockwell Hardness Tester and One (1) Wilson Rockwell Superficial Hardness Tester.
- One (1) 16" Deltronic Optical Comparator with MPCS processor.
- Three (3) Optical comparators, two with 12" windows and one with 14" window.
- One (1) Moore #3 Jig Grinder and one (1) Moore #3 Jig Borer.
- Three (3) Die flippers able to separate up to a (XYZ) 72" X 36" X 36" for ease of maintenance.
- Six (6) Vertical millers, four have digital readouts.
- One (1) Lathe 13" X 48" with quick-change 5C Collet holder.
- One (1) 16" X 32" Surface grinder, one (1) 12" X 24" Surface grinder, one (1) 6" X 18" Surface grinder, one (1) 6" X 18" Wet Surface grinder, one (1) 6" X 12" Surface grinder, and one (1) Brown & Sharpe cylindrical grinder.
- One (1) Honing machine able to hone from .050 to 1.0 dia.
- One (1) Horizontal cut-off saw and one (1) Vertical band saw.
- One (1) Wilton 6" wide belt sander.
- One (1) Large capacity drill presses.
- Three (3) Scales including Setra Super II Scale and a Weightronix Scale.
- Two (2) Fork Lift Trucks, Hyster Lift Truck S50XM and Clark Lift Truck C500-40.
- Three (3) Tumbling machines up to 3.5 cubic feet.
- One (1) Harperizer.
- One (1) Glass bead blaster.
- One (1) Belt-sander.
- One (1) Lift table.
- One (1) Induction-brazing unit.
- Two (2) Spot welders.
- One (1) Heat-treating furnace.
- One (1) Toyota walk behind lift truck.
- One (1) Box truck with up to 10,000 pounds gross weight and one (1) Nissan pickup truck for everyday deliveries.