



moore tool

Rebuilding
Remanufacturing
Retrofitting

Company highlights



Engineering

Our extremely experienced engineering staff is committed to meeting our customers precision needs. We offer custom designs and special machine modifications for increased productivity to meet customer requirements. Our Electrical Engineering department is able to write custom software and is extremely knowledgeable on several controls including Fanuc, Siemens, Aerotech and Delta Tau.

Geometry

The Geometry department at Moore Tool is the world leader when it comes to geometric accuracies. We are able to scrap, lap and restore machine geometry to better than new machine specifications.

Assembly

The facility at Moore has been designed and built for small and large machine tool building. Our newly renovated high bay is one of only a few in the country and allows us to assembly extremely large machines.

Sales and distribution

Moore Tool's extensive distribution is worldwide and our product managers and sales engineers are available to meet your specialized needs. For a complete distribution list please visit our website.

www.mooretool.com

Customer service

We are committed to meeting our customers' expectations with flawless delivery of products and services. All equipment designed and manufactured by Moore Tool is backed by our people, who are proud and dedicated to exceeding our customers expectations.

Quality - Pride - Dedication





Performance

About the company

The Moore Tool Company was founded in 1924 in Bridgeport, Connecticut as a tool & die company. It soon filled a void developing precision machine tools and measuring machines for customers with a need for increasingly precise tolerances.

The Producto Machine Company was founded in 1928 in Bridgeport, Connecticut also as a tool, die and machine tool manufacturer with a cast iron foundry. During 1994, the Producto Machine Company purchased Moore Tool and relocated all machine building to Union Avenue. The Producto brand name is now marketed under the Moore Tool label for small and large rebuilding.

Now the world leader in precision machine tool design, manufacture, recondition and conversion, Moore Tool offers a full range of standard, specialty high-precision equipment and small to large rebuilding.

Facility

Moore's state of the art assembly facility has several temperature controlled rooms and a newly renovated 25,000 square foot high bay. This space with a 35 ton crane makes Moore extremely competitive and unique.

Also located in the Moore Tool facility is the Producto Corporation. Producto is well known for machining large die sets and thermoform tooling. Its unique capabilities include large vertical and horizontal milling, with precision surface grinding.

Moore is also home to the Precision Manufacturing Center. A full service grinding shop with lapping capabilities. Within the PMC is the Standards Laboratory where all internal and external metrology items are calibrated. The lab is traceable to N.I.S.T.

Dolan Building

Square Feet 25,000
Crane 35 Ton

Special Assembly #1

Square Feet 3,000
Crane 2 Ton
Temperature +/- 1 Degree

Special Assembly #2

Square Feet 1,100
Crane 35 Ton
Temperature +/- 0.1 Degree

Standard Assembly

Square Feet 5,500
Crane 2 Ton
Temperature +/- 1 Degree

Electrical and Sub Assembly

Square Feet 7,200
Crane 2 Ton
Temperature +/- 1 Degree

Machine Shop

Square Feet 50,000
Crane 17.5 Ton
Temperature Comfort Cooling

Precision Manufacturing Center

Square Feet 7,500
Crane 2 Ton
Temperature +/- 1 Degree

Standard Laboratory

Square Feet 800
Crane None
Temperature +/- 0.1 Degree



Moore Tool Company's dedication to engineering precision and integration of the latest technologies is further carried over to the remanufacture and rebuilding of various types of turning equipment.

Vertical turning machines and horizontal turning machines both small and large can be upgraded to the latest technologies for a fraction of the price of new equipment while maintaining productivity and accuracy of that equipment



Turning



Moore Tool Company offers the latest in grinding machine upgrades. Whether it be creep feed grinders, ID grinders, OD grinders or plunge grinders, we offer the integration of the latest technologies resulting in a remanufactured grinder that exceeds the original OEM machine capabilities.



Grinding



We offer

- Consultation services for special applications
- Design and building services for performance
- Upgrading of your equipment to performance standards
- Customer onsite machine rebuilding / re-controlling
- Onsite customer installation

Please contact us for

- Machinery rebuilding
- Machinery recontrol
- PLC system design and installation
- Machinery remanufacturing / retrofits
- Machine calibration / alignments



Productivity



SIP Jig Borer better than new accuracies.

Moore Tool Company has a long history of providing ultra precise machinery platforms for National Laboratories as well as top fortune 500 companies. Our ability to produce machine geometries to extremely stringent tolerances along with the capabilities to measure those tolerances is brought to our rebuilding and remanufacturing product line.



DeVlieg Borer with a GE Fanuc 15m control.

Precision



Before



After - G 18



After - 450 CNC Retrofit

Moore Tool Company reconditions and converts manual #3 and G 18 jig grinders and jig borers to CNC (computer numerical controlled) machines. Driven by our customers' requirements, Moore can provide a full mechanical rebuild of spindles, housings and ways, recertified to the tolerances of a new machine. During the conversion, all components are disassembled, cleaned, prepared, repainted, and rebuilt. The base, cross slide, table and column are scraped, lapped and adjusted to specification. The reconditioned and converted equipment operates with the convenience, speed and accuracy of a new CNC jig grinder. Rebuilding of old #3 and G 18 manual machines is also offered along with field CNC retrofits.



Rebuilt Jig Borer with CNC Control.



Rebuilt Jig Borer with Digital Readout.

Jig Borers & Jig Grinders





The Moore Tool Metrology Department is traceable to the National Institute of Standards and Technology (NIST). Located within the Precision Manufacturing Center, we calibrate our own inspection equipment, as well as customer parts and gauges in-house. All production tool designed and manufactured by Moore Tool are held to the highest of standards.

- Capability to measure in micro inches
- Full range of metrology services and equipment
- UCMM for 3-D scanning
- Moore manual measuring machines
- Contract gage calibration and certification



Metrology



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