

## Facility List



Thank you for your interest in Loudon Industries, Inc.

We offer a diverse range of machining and engineering capabilities to satisfy our customers' diverse requirements. CNC Gear cutting of all types produced from all grades of bar stock, forgings, and castings is one of our areas of expertise. We are a complete shop offering services from purchasing the selected raw material to supplying a finished product ready for use.

Our capabilities include precision CNC and Manual machining, EDM work, grinding, turning, milling, welding, drilling, broaching, project design/engineering, Zeiss CMM services, and assemblies. We maintain a complete quality control department and quality assurance system. A quality control manual is available upon request.

Loudon Industries utilizes an NT based local area network to provide CAD/CAM capabilities to our design and engineering department, as well as supplying current information directly to our shop floor via touch screen computers. Our local area network is also the base for our new administrative/plant management software.

Enclosed is a listing of some of the products and services currently in production. In addition, we have enclosed sample photos of our equipment, shop, and various products currently in process. The listing and photos are representative but not inclusive.

We welcome requests for quotations on products that you may require. Please see the last page for complete contact information.

Thank you again for considering Loudon Industries. Please review the following pages for a brief overview of our facility and equipment.



This Certificate of Registration acknowledges

## Loudon Industries, Inc / Rock Hog Drilling Products, Inc

140 Landis Dr.  
Mercerberg, Pennsylvania 17236  
United States

is registered in recognition of a quality management system demonstrated in conformance with

**ISO 9001:2015**

### Scope of Registration:

Design, Manufacture, and Distribution of Rock Drilling Products, Gears and Gear Products



  
**Randy Daugharthy**  
Director of PRI Registrar

Number: 16756  
Issued: 28-Jul-2022  
Expires: 27-Jul-2025

161 Thorn Hill Road • Warrendale, Pennsylvania 15086-7527, USA

# ISO 9001 Certified

Our 45,000 square foot facility is located in south central Pennsylvania. The facility is easily accessible by our customers, suppliers, and employees. We are located just off Route 16, between Interstate 81 and the Pennsylvania Turnpike, in the borough of Mercersburg.

Our entire facility is temperature controlled. Our shipping and receiving area accommodates both dock and tailgate loading and unloading.

We welcome all our customers to visit our facility.



# Equipment Overview



**LOUDON INDUSTRIES INC.**

# Equipment Overview

Gear Cutting

**Mitsubishi GD20 CNC Hob**



**Mitsubishi ST40 CNC Shaper**



# Equipment Overview

Gear Cutting

## G & E Gear Hobbes



## Fellows #36 Gear Shapers & G & E Gear Hob



# Equipment Overview

Gear Cutting

## Colonial Helical Spline Broach





# Equipment Overview

Milling

## Okuma MX-60 Horizontal Machining Center



(with 2 Rotary tables)

## Haas VF3YT Vertical Machining Center



(with Rotary table)

# Equipment Overview

## Milling

### Okuma Genos M560-V



(with Rotary table)

# Equipment Overview

Turning

## Mazak Multiplex 6300Y



(with Robotic Loader & 12" Chucks)

## Okuma Crown Lathe



(with 10" Chuck)

# Equipment Overview

Turning

**Haas SL-40 Lathe**



(with 16" chuck)

**Haas TL-3 Lathe**



(with 12" chuck)

# Equipment Overview

Turning

**Mazak M5 Lathe**



(with 20" quick change chuck & 120" centers)

**Mazak M5 Lathe**



(with 20" quick change chuck & 80" centers)

# Equipment Overview

Turning

## Okuma Genos L250II-E



(with 8" chuck)

## Okuma LB3000EX-II/800-MYW



(with Fanuc AWR automation)

# Equipment Overview

## Turning

### Kingston HD-26 Lathe w/ digital readout



(swing over bed 26", distance between Centers 120", spindle bore 4 1/16")

# Equipment Overview

Milling & Turning

## Mazak Integrex I-200ST



(with gantry robot & Renishaw probing)

## Mazak Integrex I-300S



(with gantry robot & Renishaw probing)



# Equipment Overview

Milling & Turning

## Mazak Integrex 200-IV



(with 10" chucks)

# Equipment Overview

## OD Grinding

### Okomoto Precision CNC Cylindrical Grinder



(12" Diameter x 20" Centers Capacity )

### Okomoto Precision CNC Cylindrical Grinder



(12" Diameter x 60" Centers Capacity  
w/ Marposs In-Process Gauging System.)

# Equipment Overview

## OD Grinding

### Okamoto Universal Grinder



(12" swing x 36" centers)

# Equipment Overview

## Other Machinery

### Sodick Wire EDM Machine



### Behringer Horizontal Band Saw



(Up to 16" diameter capacity)

# Equipment Overview

Other Machinery

**Pangborn Shot Peener**



**Lincoln Electric Automated  
Welder**



(with Fanuc robot & automatic positioner)

# Equipment Overview

## Other Machinery

### Sunnen HTA 2100 Tube Honing Machine



(can bore 2 ½" – 21" dia. and stroke  
Up to 78 ¾" long)

# Machinery Constraints

Machine Type	Max Diameter	Max Length	Max Gear Class
<b>Lathes</b> Turning	24"	120"	-
<b>Machining Centers</b> Milling	24"	40"	-
<b>OD Grinding</b>	12"	60"	-
<b>Multi-Task Machining</b> Turning & Milling	26"	60"	-
<b>Gear Cutting</b> Hobbing	24"	16"	12
<b>Gear Cutting</b> Shaping	36"	10"	12
<b>Gear Cutting</b> Broaching	24"	72"	8

# Quality Control



LOUDON INDUSTRIES INC.



# Equipment Overview

## Quality Control

### Surface Hardness Tester, Gauges, Optical Comparator



### Zeiss Coordinate Measuring Machine



(with the ability to check gear data  
and multi point scanning ability)

# Contact Information

Phone Number: 717-328-9808

Fax Number: 717-328-5010

Mailing/ Shipping Address:  
Loudon Industries, Inc.  
140 Landis Drive  
Mercersburg, PA 17236

Business Hours: Monday – Friday 8:00 AM – 4:30 PM

Website: [www.loudonindustries.com](http://www.loudonindustries.com)

Email: [sales@liiusa.com](mailto:sales@liiusa.com)

