



Holbrook Tool & Molding Inc.

10696 Perry Highway • P.O. Box 60 • Meadville, PA 16335
(814) 336-4113 • Fax # (814) 337-0910

The Following Is A Brief Description Of Our Company

With approximately **35** full-time employees located in a modern, climate controlled, **22,800 sq. ft.** facility that includes office, design, quality control, manufacturing and cleanroom molding areas, Holbrook Tool & Molding is here to serve you.

The owners have more than fifty years combined experience in **molds, dies, component parts, gages and fixtures**. We specialize in **mold construction** and **custom molding**. We also offer all types of grinding, including form grinding, carbide and centerless grinding. We also have five CNC machining centers and a CNC turning center which gives us the opportunity to offer both **CNC machining** and **CNC turning** capabilities.

We possess the ability to **design and build** prototype molds, inserted overmolds and production molds. Recently we have excelled in the medical, consumer product and electronic fastener fields. Our capabilities include single or multi cavity tools with **conventional runners or hot manifold systems**.

Our **Design Department** currently has one seat of **Unigraphics**, one seat of **Pro/ENGINEER** and one seat of **KeyCreator**. This software gives us the ability to design molds using the customers' part print and or electronic files. We also have four cam stations that support **Mastercam**.

When the manufacturing processes are completed, **we have a full tooling inspection program**. We also have **ISO 9001:2000** certification for the manufacture and supply of plastic components.

If you would like further information please contact either Richard Lockwood or Dale Barnard at **(814) 336-4113** or fax **(814) 337-0910**. Our company e-mail address is: holbrook@holbrooktool.com Our web site address is: <http://www.holbrooktool.com>

Organization Chart

Dale A Barnard, President

Richard D Lockwood, Secretary/Treasurer

Don E Lockwood, Sales Manager

Chris Knierman, Engineering Manager

Even though we have very capable people in our organization, they are all under the direct supervision of Richard Lockwood and Dale Barnard.

Contingency Plan For Unforeseen Interruption In Production:

We at Holbrook Tool & Molding have a very good working relationship with several custom mold shops in the area and in the event of an interruption in production these shops would be utilized.

Contact Information

Main Office

Holbrook Tool & Molding, Inc.
PO Box 60
10696 Perry Highway
Meadville, Pa 16335

Phone: (814) 336-4113
Fax: (814) 337-0910
Email: holbrook@holbrooktool.com

Sales Offices

Don Lockwood
Phone: 540-248-3812
Email: sales@holbrooktool.com

Glynn Clements
Phone: 864-373-1353
Email: glements@holbrookmolding.com



Injection Molding Department

2 – Arburg 270 C 44 Ton Horizontal Injection Mold Presses

Machine Specifications:

- Barrel Shot Size: .7 & 1.1 Ounces
- Platen Size: 17.56" x 17.56"
- Tie Bar Spacing: 10.63" x 10.63"
- Maximum Opening: 21.65"
- Shut Height: 7.87"
- Hydraulic Core Pull

1 – Arburg 83 Ton Injection Mold Press

Machine Specifications:

- Barrel Shot Size: 2.5 Ounces
- Platen Size: 19" Square
- Tie Bar Spacing: 12 ½" Square
- Maximum Opening: 14 ¾"
- Shut Height: 8 7/8"
- Hydraulic Core Pull

1 – Arburg 470 C 165 Ton Injection Mold Press

Machine Specifications:

- Barrel Shot Size: 3.64 Ounces
- Platen Size: 25.5" x 25.5"
- Tie Bar Spacing: 18.5" x 18.5"
- Maximum Opening: 29.53"
- Shut Height: 9.84"
- Hydraulic Core Pull

1 – Arburg 520 A 176 Ton Electric Injection Mold Press

Machine Specifications:

- Barrel Shot Sizes: 6.49 & 8.2 Ounces
- Platen Size: 28.66" X 28.66"
- Tie Bar Spacing: 20.47" X 20.47"
- Maximum Opening: 27.56"
- Shut Height: 9.84"
- Hydraulic Core Pull

2 Arburg 570 C 220 Ton Injection Mold Presses

Machine Specifications:

- Barrel Shot Sizes: 10.3 & 12.7 Ounces
- Platen Size: 31.3" X 31.3"
- Tie Bar Spacing: 22.44" X 22.44"
- Maximum Opening: 37.4"
- Shut Height: 11.81"
- Hydraulic Core Pull

1 – Cincinnati VT 300 Ton Injection Mold Press

Machine Specifications:

- Barrel Shot Size: 21 Ounces
- Platen Size: 36.8" X 36.2"
- Tie Bar Spacing: 25" X 24 ½"
- Maximum Opening: 48"
- Shut Height: 7.9"
- Hydraulic Core Pull

Machining Department

- 1 – Mikron HSM 400 **CNC Machining Center**
- 1 – Mori Seiki MV-65 B/50 **CNC Machining Center** (66 X 25.5 inch travel)
- 1 – Bridgeport VMC 760 **CNC Machining Center**
- 1 – Kitamura Mycenter-3XiF **CNC Machining Center**
- 1 – Bostomatic **CNC Machining Center**
- 2 – Bostomatic High Speed **CNC Machining Centers** (For graphite electrodes)
- 4 – Bridgeport Mills with Digital Readouts
- 1 – Mori Seiki SI25B/500 **CNC Turning Center**
- 1 – 15” Engine Lathe, with A 60” Center
- 2 – Roll-In Bandsaws
- 1 – Wellsaw (Bandsaw)
- 2 – Belt Sanders
- 1 – Swager
- 1 – Nova Tech Micro-Tig Welding System
- 1 – Millermatic 250 Tig Welding System
- 1 – Fahringer Welder

Grinding Department

- 13 – Harig Surface Grinders
- 4 – Mitsui 6-12 Surface Grinders
- 1 – Do-All Surface Grinders
- 1 – Sharp Surface Grinder
- 1 – Okamoto 618-B Linear Grinder
- 2 – Okamoto 1224DX Surface Grinders
- 1 – Moore Jig Grinder
- 1 – Kellenburger (ID – OD) Grinder – Model 600V
- 2 – Ded-Tru Centerless Grinders
- 1 – Deckel Single Lip Cutter Grinder
- 1 – Sunnen Hone

EDM Department

- 9 – Die Sink EDM's with Full Capabilities
- 6 – Charmilles full CNC EDM's (including two 350 Gamma Tec machines)
- 2 – Wire EDM's:
 - One Agiecut 200D+SF
 - One Agiecut DEM 100
- 1 – Current (Model CT-300) CNC EDM Drilling Machine

In addition to the above, we have a full inventory of the necessary support tools, including:

- 2 – Comparators
- 2 – Toolmaker Microscopes
- 3 Sets of Ceramic & 1 Set of Carbide & 2 Sets of Steel Gage Blocks – Calibrated Yearly

Inspection Lab

1 – Brown & Sharpe Gage-2000 Coordinate Measuring Machine, (18 x 20 x 16” XYZ)

2 – Brown & Sharpe Micro Hite – 18” Upright Coordinate Measuring Machines

8 – 12” Mitutoyo Height Masters

Mantis Vision Head

Togoseiki Hardness Tester – Rockwell Type

Triple Beam Balance 700 Series Scale

Full Set of Myer Gage Pins .011 to .500 inch .0005 sizes in the minus tolerances

Starrett Croblox Gage Blocks – calibrated yearly

0 – 3” Brown & Sharpe .0001 Micrometers

Brown & Sharpe Indicators (.00005, .0001, .005)

Brown & Sharpe Calipers

5” Sine Bar

3’ X 5’ Starrett Crystal Pink Granit Surface Plate

8’ X 8’ Surface Plate

1 – OGP Smart Scope MVP 200 (8 x 6 x 6” XYZ)