



## **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 9001:2008** 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](mailto: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](mailto:holbrook@holbrooktool.com)

### **Sales Offices**

Don Lockwood  
Phone: 540-248-3812  
Email: [sales@holbrooktool.com](mailto:sales@holbrooktool.com)

Glynn Clements  
Phone: 864-373-1353  
Email: [gclements@holbrookmolding.com](mailto:gclements@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 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

## **1 – Arburg 370 S 55 Ton Injection Mold Press**

### Machine Specifications:

- Barrel Shot Size: .5 & 2.6 Ounces
- Platen Size: 20" x 20"
- Tie Bar Spacing: 14.5" x 14.5"
- Maximum Opening: 23.622"
- Shut Height: 7.87"
- 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 – 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 – 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

## **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

# **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)
- 5 – 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 – Nova Tech Micro-Tig Welding System
- 1 – Millermatic 250 Mig Welding System

## 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)

1 – 12” Mitutoyo Height Master

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

Starrett Croblox Gage Blocks – calibrated yearly

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

3’ X 5’ Starrett Crystal Pink Granit Surface Plate

2 – OGP Smart Scopes

1 – Ohaus Weight Scale