

**Piedmont Machine & Mfg, Inc.**

22 Carpenter Court NW

Concord, NC 28027

**Phone:** 704.782.2227 • **Toll Free:** 800.442.2839**Email:** [sales@piedmontmachine.com](mailto:sales@piedmontmachine.com)**Metal Stamping**

We offer metal stamping using stamping presses having tonnage capacities up to 200 tons, to meet the precision stamping demands of industries ranging from automotive and agricultural to telecommunication. Depending on your specific application requirements, we can manufacture simple and complex stamped components in low as well as high volume production runs. We die stamping, hot stamping, and compound die stamping.

Through progressive die stamping, we perform a series of forming operations in a single machine cycle to produce complex sheet metal components. Our extensive metal stamping offering enables us to manufacture embossed, threaded, and tapped metal parts with several intricate features. Aluminum, brass, copper, stainless steel, and carbon steel are typical materials we work with.

Custom metal stampings with thicknesses up to 1/4" can be manufactured using customer-supplied tooling or dies built in-house. We hold stamping tolerances close to 1/64" on custom sheet metal components. As a one-stop job shop, Piedmont Machine also offers value-added services such as welding, laser cutting, and metal fabrication.

**Specifications**

<b>Industry Focus</b>	Appliance Automotive Agricultural Electronics HVAC Industrial Marine Military/Mil-Spec Mining Packaging Semiconductor Telecommunications Pneumatics Hydraulics Controls Valves Bearings Oil and Gas Electrical Construction
<b>Intended Application</b>	Automatic Door Components Canopies Brackets Furniture Hardware Heat Sinks Washers Wire Cutting Electronic Connectors
<b>Press Rating</b>	200 tons
<b>Part Length</b>	Max: 24 in (609.6 mm)
<b>Part Width</b>	Max: 12 in (304.8 mm)
<b>Part Thickness</b>	Max: 1/4 in (6.35 mm)

<b>Tolerances</b>	± .38 mm ± 1/64 in
<b>Industry Standards</b>	ANSI ASME ASTM ISO 9001:2008 Mil-Spec PPAP RoHS Compliant
<b>Production Method</b>	Coining Compound Die Compression Continuous Deep Drawn Die Die Forging: Open and Closed Die Forging Hot Stamping Perforated Metal Progressive Die
<b>Equipment List</b>	From simple 2-axis turning to 7-axis, turn-mill-drill CNC Swiss-type machines, we are equipped with a full line of CNC equipment from the following manufacturers: Star Citizen Matsuura Mori Seiki Miyano Nakamura-Tome Fanuc-RoboDrill KMT
<b>Production Capabilities</b>	Bulk Complex
<b>Production Volume</b>	Low Volume to High Volume
<b>Materials</b>	Alloy Steels Aluminum Bearing Steel Brass Bronze Alloys Carbon Steel Cold Rolled Steel Copper Forging and Cast Iron Hot Rolled Steel Stainless Steel Tool Steel
<b>Stamping Features</b>	Coated Countersunk Embossed Engraving Heat Treated Paint Tapped Threaded
<b>Additional Services Provided</b>	Casting Injection Molding Laser Cutting Metal Fabrication Welding
<b>File Formats</b>	3D ACIS Model File AutoCAD (DWG,DWZ) BMP DXF GIF JPEG PDF Pro-E or Pro/Engineer (DRW,PRT,XPR) SAT

SolidEdge (DFT)  
SolidWorks (SLDPRT,SLDDRW,SLDDRT)  
STEP  
SurfCam (DSN)  
TIFF  
TurboCAD (TCW,TCX)  
Unigraphics (PRT)