

# Augustine Die & Mold, Inc.

"Where Innovation Meets Precision."



## CAPABILITIES STATEMENT

### CONTACT:

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### BUSINESS OFFICE / PLANT:

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Somerset, PA 15501

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### WEBSITE:

[www.amoldinc.com](http://www.amoldinc.com)

DUN & BRADSTREET NO.:  
009089967

NAICS CODE:  
332710

CAGE CODE:  
3LHB1

CERTIFICATIONS:  
AS9100 Rev D  
ISO 9001:2015  
HUBZone

REGISTRATIONS:  
ITAR

### BUSINESS SUMMARY:

Founded in 1995, Augustine Die & Mold, Inc. (ADM) initially focused on the design, manufacture, and repair of tools/dies in the plastics industry. ADM has evolved into an integrated precision machining company specializing in the Aerospace/Defense industry in addition to design, manufacturing, and repair services of tooling in the plastics industry. ADM is HUBZone certified, ISO 9001:2015/AS9100 Rev D certified, and ITAR registered.

### CORE COMPETENCIES:

- Complete engineering services for tool/mold design, manufacturing, sampling, and final inspection.
- Small single-cavity to large multi-cavity tooling with complex slides.
- State-of-the-art CNC machining, wire EDM, and design software manufacturing.
- Dynamic XD 5-axis motion ultrahigh-pressure waterjet capable of cutting compound angles with tight tolerances/high accuracy.
- Aerospace/Defense components manufacturing, assembly, vehicle component manufacturing, and other defense related products and services.

### DIFFERENTIATORS:

- 30+ years combined experience in aerospace and defense contract fulfillment.
- Located in Southwestern PA near the Turnpike and several other major highways.
- 220,000 sq. ft. facility for warehousing, shipping, and receiving.

### SAMPLE PAST PERFORMANCE: *(References Available Upon Request)*

- FN Herstal, USA/Belgium
- Philips/Respironics
- Roboteam USA/Israel
- Global/SFC Valve Corp
- Westinghouse Electric Company
- Consolidated Power Supply
- Kaydon Ring & Seal Corp
- DynaEnergetics™



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### WATERJET

- Flow Mach 500 – Dynamic XD (5-axis motion, capable of cutting compound angles/bevels with high accuracy) 4m x 8m (13' x 26' table) – **Jan 2018**

### CNC MACHINES

- PUMA TW2600-GL high-performance twin spindle turning center – **April 2018**
- Daewoo Puma 230 MSB twin spindle 6000 RPM lathe with live tooling
- Okuma Cadet-C 2 axis lathe, 4200 RPM with IGF Programming
- Okuma LB-15 2 axis lathes, 3500 RPM with IGF Programming
- Tree Journeyman 425, 6000 RPM mill, 12" by 51" table, Dynapath Delta 40X
- Tree Journeyman 310, 4000 RPM mill, 10" by 44" table, Dynapath Delta 20
- Daewoo Mynx 500, 3 axis Vertical Machining Center, 8000 RPM, 20" by 40"
- Daewoo DMV 4020, 4 axis Vertical Machining Center, 12000 RPM
- Doosan Daewoo DHP 5000, 4 axis Horizontal Machining Center, 14000 RPM, 500mm pallets
- Doosan Daewoo Puma MX 2500ST, 9 axis multi-tasking turn-mill center, 3500 RPM main and sub spindle, 10000 RPM mill spindle with 40 tool magazine
- Johnford DMC-2100H, 6000 RPM, twin column vertical machining center, 81"x, 51"y & 32"z
- MAZAK VQC-20/40 B, MAZATROL CAM M-2
- MAKINO F5 Five Axis Verticle, MAKINO Professional 5 Control
- MAKINO F5 Three Axis Verticle, MAKINO Professional 5 Control
- MAKINO A61NX Verticle, MAKINO Horizontal Machining Center
- Johnford ST-80CH Lathe – 39.4" sw, 31.5" turn dia, 88-1/2" cc, 50 HP, 20" clutch, 5.47" bar

### CONVENTIONAL MACHINES

- 8 Bridgeport Series I milling machines with 2 axis DRO's
- Bridgeport Series II Special milling machine, 11" x 58" table, DRO
- TOS Trencin 16" by 60" gap bed engine lathe
- Webb Takisawa 14" by 30" engine lathe
- Nardini MS 1440 EG precision engine lathe
- Hardinge Lathe HVLM
- Summit Z3050 x 16 radial arm drill
- OKK Vertical Mill MH-ZV Vertical Mill
- (3) Advance Rotary Table with compound sides

## **EDM MACHINING**

- Sodick AQ 537L wire EDM, 40" x 28" x 10" work envelope, 2200 max product weight
- Mitsubishi FX1 wire EDM , 31" x 22" x 9" work envelope, 1102 max. productweight
- (2) Hansvedt DS1/201 sinker EDM machines with 20mm-shank 3R system
- Xermac XP-12 sinker EDM machine with 20mm-shank 3R system
- Charmilles Roboform 40 RAM EDM Die Sinker

## **WELDING**

- Lincoln Idealarc TIG 250 welding machine
- Lincoln Idealarc TIG 300 welding machine
- Lincoln Power MIG 255 welding machine
- IdealArc Welder SP-250
- DME Proweld Welding Machine

## **DESIGN & MANUFACTURING SOFTWARE**

- E2 Manufacturing System
- Creo Parametric (Pro-Engineer)
- Autodesk Inventor / AutoCAD Mechanical
- DP Espirit CAD/CAM
- GibbsCam, Solids/ Multi-tasking CAD/CAM
- Sigmanest Waterjet Programming

## **GRINDING**

- (4) Harig 618 manual surface grinders
- (2) Okamoto 12" by 24" hydraulic surface grinders
- Okamoto Surface Grinder 6" X 18"
- DMA Drill Grinder.

## **SAWS**

- (2) Marvel Horizontal Band Saws
- (3) Various Vertical Band Saws
- Drake Johnson 13" automatic horizontal band saw
- (2) Roll-in vertical band saws

## **PREPARATION AND FINISHING**

- 2 Trinco glass bead cabinets
- High temperature heat treat furnace
- Rosler Burnisher

## **STAMPING AND FORMING**

- Rousselle 40 Ton Stamping Press
- GW Bliss 75 Ton Stamping Press
- (2) Rowe/Coilmatic roll feeds
- Allsteel 20 Ton Brake
- Greenerd Arbor Press
- OBI Press

## **POWDER COATING**

- Nordson Series II Econo-coat
- Nordson powder paint line
- SBS Finishing Oven
- Environmental enclosure for powder paint unit
- Set up for high production powder coating

## **CURRENT CERTIFICATIONS**

- **ISO 9001:2015** Quality Management System
- **AS9100D** Quality Management System for the Aerospace Industry
- **HUBZone**

## **SERVICES SUMMARY**

- Precision Machining
- Product Design Assistance
- Die and Mold Design
- Die and Mold Manufacturing
- Die and Mold Repair and Refurbishing
- Water Jet Cutting
- Full Service Contract Manufacturing
- Injection Molding (Augustine Plastics, Inc.)