

Precision Engineered Industrial Machining





**DUNS: 080800588** CAGE: 5GJ71 **UEI: YDWREKCRLLT9** 

EJCP Certification# 0088001

# CAPABILITES STATEMENT

# WHO WE ARE

Maximum Mold Group is four tool and die companies led by a "Women-Owned Small Business" with over 30 years of experience successfully providing high-quality, dependable machined parts and components to the DOD and the private sector. We are a GSA Approved Vendor, ITAR Registered, NIST (SP) 800-171 Compliant, and ISO 9001-2015 Certified/Registered. Other key differentiators include our custom design with in-house 3D CAD/CAM drawing, strong reverse engineering capabilities, and 2018 Lead-Time Leader Award.

# CORE COMPETENCIES

- 3D Design/Prototype and Molding
- Design and Engineering 3D
- 3D Capabilities/Printing/Modeling
- Laser Scanning
- Reverse Engineering
- Prototype Design/Molding



# DOD PERFORMANCE

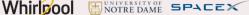




- U.S. Department of Army Developed simulated F16/ITAR \$2M -Feb. 2019 - Mar. 2022
- U.S. Department of Air Force Arnold Engineering Development Complex - Airborne system - ITAR \$1M - 2019 - 2021

# PRIVATE SECTOR PERFORMANCE





- University of Notre Dame Turbo Machinery Lab Developed parts and components for commercial aircraft - \$5M - Jan. 2013 - Current
- SpaceX Developed components for flight \$2.5M Apr. 2020 -
- Whirlpool Corporation \$3M Developed machined parts and components for appliances - Sept. 2009 - Current

# **OUR SERVICES**

# Large CNC 3 and 5 Axis Machining

- Lathe turning with 4 Axis
- Laser Welding
- Weldement Manufacturing
- Glass Encapsulation
- Blow Molding/Thermoset/Thermoplastic
- Compression Molds
- Die Cast Dies/Trim Dies
- Plastic injection Dies
- Production and Assembly

#### Complete CMM Inspection/ Sampling/Tryout

- CMM Inspection Reports / 4D Inspections
- Steel Polishing/Heat Treat
- Sampling/Testing and Tryout

# PRIMARY NAICS CODES

- 332710 Machine Shop
- 333517 Cutting Tool & Machine Tool Accessory Manufacturing
- 332312 Fabricated Structural Metal

#### **SECONDARY NAICS CODES**

- 332721 Precision Turned Product Manufacturing
- 333248 All Other Industrial Machining Manufacturing
- 333511 Industrial Mold Manufacturing
- 333514 Special Die/Tool, Die Set, Jig/Fixture Manufacturing
- 333517 Machine Tool Manufacturing
- 333519 Rolling Mill/Other Metalworking Manufacturing
- 333998 All Other Misc. General Purpose Machinery Mfg.
- 336110 Motor Vehicle Manufacturing
- 541420 Automobile Industrial Design Services
- 811210 Electronic Precision Equipment Repair & Maintenance



### Precision Engineered Industrial Machining



#### NON-DESTRUCTIVE INSPECTION AND PRECISION METROLOGY

Inspection

- 4D Inspection
- Machine (CMM) Dimensional Inspection Precision Measurements

• Coordinate Measuring

### WELDING AND ADDITIVE REPAIR

• Welding (Vibration, Laser, Electron Beach, Directed Energy Deposition

# NON-DESTRUCTIVE INSPECTION AND PRECISION METROLOGY

- Machining and Manufacturing, Gundrilling/Holepopping
- 5 Axis-precision machining and grinding CNC/EDM

#### **ADDITIVE SERVICES**

• 3D Scanning

Prototyping

Sampling/Tryout

## COATINGS AND CORROSION PREVENTION

• Shop painting

• Surface removal and preparation

### ENERGY, ENVIRONMENTAL, HEALTH, AND SAFETY

• Ergonomic power tools

· Recycling media

#### **ENHANCED INSPECTION**

- Circuit analysis test equipment
- Scanning and measuring tools
- Inspection (tanks & voids)- CMM
- System isolation and tagout
- Radiological surveys
- Wiring (UH 60V specific)

#### RELIABILITY IMPROVEMENT

• Tool repair

### MISCELLANEOUS

- Cold cutting technologies
- Round cold cutting tools
- Computer-based training –CNC-5 Axis
- Tool Maker On-Site Support
- Machining products

### **BUSINESS PROCESSES AND PARTNERSHIPS**

 Logistics Heat Treat Intercept packaging