



www.DMIC.com 1-800-248-DMIC
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— DMIC Capabilities —

DMIC continues to invest in our people, equipment and facility so that you can rely on us to be a trusted partner for meeting new and challenging applications. Note the numerous industry workmanship standards we comply with to meet the unique requirements of various industries.

Component Design

- Engineering Services
- Application support
- Product design with FEA & CFD and DFMEA analysis

Technical Staffing

- 7 Engineering & numerous technical Support Staff
- Many Certified Fluid Power Specialists on Staff (International Fluid Power Society)



Materials

- Carbon Steels (1018, 1020, 1026, 1045, 1090)
- Alloy & Tool Steels (4140/4142, 4340, T1 Tool Steel)
- ASTM A350 LF2
- Stainless Steels (303, 304, 316, 416, 420, 2205 duplex, 2507 super duplex)
- Nickel Chromium alloys (Inconel 625, Monel 400)
- Aluminums (6061-T6, 2024, 7075-T6)
- Brass
- Bronzes (C954 Aluminum Bronze, C932 Tin Bronze, Marine grade bronze)
- 65-45-12 Ductile Iron
- Impact forgings
- Castings
- Sintered Metals

Certifications and Design, Workmanship & Quality Standards

- ISO 9001:2015
- Canadian Pressure Vessel Registration (CRN)
- EU Pressure Equipment Directive 97/23/EC
- UL/CSA
- ITAR Compliance
- DFAR Compliance
- ASTM
- ASME B16.34, B31.3, B16.10, B16.5
- AWS D1.1
- API 6A, 17H, 16D, 17D
- NACE MR0175/ISO 15156-3
- Subsea Equipment to ISO 13628

Quality & Testing

Testing

- Non-destructive Examination (Dye penetrant inspection to AWS, Ultrasonic inspection to ASTM A388, 3rd Party Witness Inspection, ASNT-TC-1A Level III Examination)
- ASTM B-117 Salt Spray Verification (Common Testing Specifications, API 6A, 17H, 16D, 17D, ASME B16.34, B31.3)
- Custom System & Component Assembly and Test
- Test per customer requirements
- Proof/validation testing
- Assembly & Test Process Writing
- Test with phosphate ester
- Full Material Traceability

Inspection Equipment

- Zeiss Spectrum Coordinate Measuring Machine
- 48" x 36" Granite Inspection Plate
- Hundreds of threaded plug and ring gauges

Machine Listing

CNC Lathes

- Max turning capacity: Ø36"
- Max Workpiece Weight: 6,000 lbs
- (2) Mazak Multiplex 6300-IIY with gantry loading
- Mazak Multiplex 6200-IIY with bar feed
- Mazak Megaturn 900M Vertical lathe
- Mazak Dual Turn with Cut Feeder
- Mazak Dual Turn with Auto Loader
- (3) Mazak Quick Turn 200 MS with bar feed
- Mazak Quick Turn 100 with bar feed
- Mazak Quick Turn 100 MS with bar feed
- Mazak Quick Turn 250 with bar feed
- Mazak Super Quick Turn 250 with bar feed
- (2) Mazak Quick Turn 250 MSY with bar feed
- Mazak 350 M
- Mazak Slant Turn 450
- Mazak W200
- Tsugami B0326 - II

CNC Mills

- Max Workpiece: Ø57" x 57" Height
- Max Workpiece Weight: 4,850 lbs
- Mazak FH5000 Horizontal machining center
- Mazak HCN 8800-ii Horizontal machining center
- (2) Mazak Nexus 510C-II

Tool & Die Shop

- (2) Engine Lathes
- Fryer Easy Turn NC Lathe
- Proto Trak NC Mill
- (2) Knee Mills
- Sunnen Honing machine
- Face Lapping
- Grinding
- Polishing
- Broaching (Square, Hex)

Additional Capabilities

- Full Material Traceability
- Laser engraving / Metal Marking (Special identification, Part Numbering, Serialization, Logos / graphics)
- Coatings (Black Oxide, Electroless Nickel plating, Nickel electroplating, Zinc, RoHS Compliant Coatings, Chromium, Colored anodize, Hard coat anodize, Powder coat, Xylan® subsea coating, ASTM B-117 Salt Spray Hours Compliant Coatings)
- EDM Machining

Welding

- MIG & TIG welding (steel, stainless, aluminum) per ASME (pressure vessels) and AWS (structural) procedures with certified welders
- Multiple Shielding Gas Capability

See our webpage on OEM, Custom and Private Label components and assemblies for information on how we can assist in selection, specification, design and manufacture of parts for you unique applications.

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ISO 9001 Certified