

Dearborn Division Services & Capabilities

Hunting's Dearborn Division has led the industry in deep hole drilling and machining of precision tubular components since 1947. With dedication, innovation and quality assurance, we deliver to diverse industries world wide the most sophisticated bore-making and CNC machining capabilities available.

Hunting's Dearborn Division has experience machining virtually all non-mag, corrosion resistant, and HPHT stainless alloys available today. Alloys include carbon steel 4340, 4140, 410 SS; duplex chrome; Inconel 925, 718, and X750; MP35N; Hastelloy®, Toughmet®, Ti Beta-C; 6AL4V Titanium; 17-4PH, 15-5PH; AT25, BeCu, copper; aircraft-grade aluminum and many more.

Services & Capabilities

Deep Hole Drilling

Turning, Milling, Grinding

Spline and Gear Machining

Inspection Services

Surface Enhancements

The services and capabilities shown are only a partial listing. Please contact us to confirm current capabilities. Our resources are continuously updated.

Industries Served

Aerospace

Oil & Gas

Power Generation

Commercial Nuclear

Space Exploration

Marine

Defense

Accreditations, Certifications and Associations



Deep Hole Drilling

On-center holes, off-center holes, angle holes, blind holes, bottle boring.

Gun Drilling: ID size: .055 to 1.0 in., lengths up to 32 ft

STS / BTA Drilling: ID size: 1.0 to 14.0 in., lengths to 32 ft

Trepanning: ID size: 1.5 to 14.0 in., lengths to 32 ft

Reboring / Pull Boring: ID size: 0.5 to 14 in., lengths to 36 ft

Honing: ID size: Up to 12 in., lengths to 34 ft

Bottle Boring: ID size: Up to 14 in.

Turning, Milling, Grinding

CNC Turning:

OD diameters up to 40 in., lengths up to 32 ft

ID Lathe Boring:

ID 1.0 to 10 in., depths up to 48 in.

CNC Milling :

4-axis vertical/horizontal with 5th axis head tilt capabilities. Work piece up to 30 in. x 30 in., lengths exceeding 32 ft

CNC Mill-Turn Centers:

5 axis mill, diameters up to 30 in., lengths up to 15 ft

EDM – Sinker: Internal and external geometries

CNC Cylindrical Grinding:

OD up to 32 in., lengths up to 10 ft.

ID up to 30 in., depth up to 24 in.

Center-less Grinding:

Thru feed 1 in. up to 6-in. diameters, lengths up to 20 ft

Spline and Gear Machining

ID/OD Shaping:

Up to 10-in. pitch diameters, lengths up to 6 in.

OD Hobbing:

Up to 16-in. diameters, lengths up to 56 in.

CNC Spline Grinding:

Splines, modified splines and gears up to 19-in. diameters, lengths up to 110 in.

Inspection Services

ZEISS CMM Inspection Equipment:

Lengths up to 14 ft

Precision Dynamic Shaft Balancing:

Shaft lengths up to 3-ft diameters, 10-ft lengths, 4,400-lb rotors

Gear Metrology

Magnetic Permeability

Magnetic Particle Inspection (MPI):

6,000-amp 16-in. coil, up to 1,500 lb, lengths to 100 in.

Ultrasonic Tube Inspection

Helium Leak Inspection

FPI/LPI Dye Penetrant Inspection

Surface Enhancements

Black Oxide Coating:

30 in. x 30 in. x 60 in. tank dimensions

Shot Peening, Glass Beading:

Diameters to 16 in., lengths to 32 ft.

ID Roller Burnishing, Thread Root Burnishing

Weld Cladding – Hard Facing

Painting

Welding

Straightening

Rotor Peening

Solid Film Lube

600° F Oven

Contact Us:

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