Calculated Custom Metal Works, Inc.

Professional Services

- Engineering
- Reverse Engineering
- CAD/CAM
- 3D Modeling
- Blueprinting
- Powder Coating
- Anodizing
- Metal Plating
- Assembly
- Integration

Calculated Custom Metal Works
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Fabrication/Manufacturing

- Metal Fabrication
- Plastic Fabrication
- Shearing
- Production Sawcutting
- Plate Beveling
- Press Brake Operations
- Sheet & Plate Rolling
- CNC Laser Cutting
- CNC Plasma Cutting, Hi-Def
- MIG Welding
- TIG Welding
- Production Resistance Welding

CNC Machining

- CNC Milling, 3 axis & 3+1 axis
- CNC Turning
- Automated Probing & Inspection
- "Lights Out" Robotic Operation

Materials

Cold Rolled Bars
Shapes: round, square, rectangle, hex
Grades: 1018 •1020 • 1045 • 4140 • 12L14 • 17-4

Turned, Ground & Polished Bars
Shapes: round
Grades: 1045 • 4140

Hot Rolled Bars
Shapes: round, square, rectangle
Grades: ASTM A36 • ASTM A1011

Sheet
22ga (.030") - 7ga (.179")
Types: commercial grade • P&O • aluminum • stainless

Plate
3/16 (.188") - 2.00"
Types: A36 • Max 33 • Grade 50 • AR400/500

Angle
Types: carbon steel • stainless steel • aluminum

Channel
Types: carbon steel • stainless steel • aluminum

Beam
Types: carbon steel • standard flange & wide flange

Pipe & Tubing
Type: carbon steel • stainless steel • aluminum

Specialty Products
Types: floor Plate (steel) • diamond plate (alumium) • expanded metal • perforated sheet • bar grating • strut channel

Plastics
Shapes: sheet, strip, round, square, rectangle
Types: UHMW • Nylon • HDPE • Polycarbonate • Acrylic

Many other shapes & grades available.