



Precision Machining and Contract Manufacturing

Machinery List

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ISO 9001:2015 and AS9100D REGISTERED

CALDWELL CORPORATION
EMPORIUM, PA 15834

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CNC MILLS

(2x) Smart SV-2 | 3-axis X31.4" Y19.6" Z19.6" | Spindle 20HP 10000RPM | 30-Tool ATC

Smart Mini | 3-axis X23.6" Y17.7" Z19.7" | Spindle 10HP 12000RPM | 24-Tool ATC

Haas TM-1 | 3-axis X30" Y12" Z16" | Spindle 7.5HP 4000RPM | 10-Tool ATC

Haas TM-2 | 3-axis X40" Y16" Z16" | Spindle 7.5HP 4000RPM | 20-Tool ATC

(2x) Haas VF-3 | 3-axis X40" Y20" Z25" | Spindle 20HP 7500RPM | 24-Tool ATC

(2x) Haas Mini Mill | 3-axis X16" Y12" Z10" | Spindle 7.5HP 6000RPM | 10-Tool ATC
(with wireless intuitive probing)

Mori Seki MV-65 | 3-axis X60" Y25.5" Z25.5" | 30HP 4000RPM | 30-Tool ATC

CNC MILL ADD-ONS

Haas HA5C | 4th Axis Rotary | 5C Collets & 5" Diameter Chuck | Live Center Support

Haas TRT-210 | 4th & 5th Axis Tilting Rotary Table | 9.1" Table Dia.

CNC LATHES

Haas TL-2 | Max Dia. 12" | Max Len. 48" | Spindle Bore Dia. 2.3" |
Spindle 10HP 1800RPM | Manual Tool Change

Mori Seiki SL-25B | Max Dia. 10" | Max Len. 20" | Spindle Bore Dia. 2.6" |
Spindle 20HP 3500RPM | 10 Tool Automatic Turret

Hwacheon Mega-95 | Max Dia. 24" | Max Len. 120" | Spindle Bore Dia. 4.1" |
Spindle 20HP 500RPM | 6 Tool Automatic Turret

SMART NL 2000BSY | Max Dia 16.18" | Max Len. 28.94" | Spindle Bore Dia. 2.64" |
Dual Spindle 20/25 HP 4500 RPM | 24 Tool Automatic Turret with Live Tooling

MANUAL MILLS

Devlieg Spiramatic Jigmill | 3" Spindle | 48" X 30" Table | Elms Digital Readout

Cincinnati Vertical Mill | Cinova 80 Model 307-14 | 56" X 12" Table

(5x) Bridgeport Vertical Mill | 42" X 9" Table | 1 ½ Hp Head |
X-Y Axis Acu-Rite Digital Readout

MANUAL LATHES

(2x) Hardinge Precision Lathe | Model HLV-H | 10" Dovetail X 36" Bed

Monarch Toolmakers Lathe | Model EE | 12 ½" Swing X 38" Bed

MANUAL GRIND

Brown & Sharpe Surface Grinder | Model 824 Micromaster | 24" X 8" Magnetic Chuck |
Floor Mounted Coolant System

Thompson Surface Grinder | 41" X 16" Magnetic Chuck | Floor Control |
7.5 HP Spindle Motor | Floor Mounted Hydraulic Power Supply

(2x) Taft-Peirce #2 Hydraulic Surface Grinder | 14" X 6" Magnetic Chuck |
1 HP Spindle Motor

(4x) Taft-Peirce Surface Grinder #1 | 12" X 5" Magnetic Chuck | 33" X 8" Table

Cincinnati Universal Cylindrical Grinder | 12" Capacity Swing | 48" Bed |
3 HP Spindle Drive | Dust Collector

Moore Jig Grinder | Model 3

(2x) Brown & Sharpe Universal Cylindrical Grinder | Model 13 |
Floor Mounted Coolant System

OTHER MACHINES

Pratt & Whitney Precision Jig Borer | Model 3B | Vertical Type | 56" X 24" Table | Olivette Farrand Control | X-Y Axis Digital Readout

Moore Jig Borer | Model 3 | 18" X 14" Table | X-Y Axis Digital Readout

Armstrong-Blum Marvel Horizontal Metal Cutting Saw | Series 13A/M11 | Auto-Feed

Armstrong-Blum Marvel Hacksaw | Model 9/M4

Eisele Cutoff Saw | Model VMA2SPV | 12" Diameter Blade | Coolant System

Rockwell Cutoff Saw | Series 20-100 | 10" Diameter Abrasive Blade

Doall Band Saw | Model DBW-15 | Power Feed

SHEET METAL

Diacro Shear | 12" Bench Type

Pullmax Rotary Shear | Type P5 | 42" Throat

Peer Spot Welder | Model 82 | 10 KVA | 24" Throat

Pexto Slip Roll Former | Model 416E | 14-16 Gauge Capacity |
36" Manual Capacity Stand

Dreis & Drump Chicago Bending Brake | L-31 | Manual | 48"

Dreis & Drump Chicago Press Brake | Size 334 | 20 Ton | 12 Gauge X 5' Capacity

Wysong & Miles Squaring Shear | Model 1048 | 10 Gauge X 48" Capacity | 5 HP Motor

Whitney | Jensen Shear | Model 67242 | 42" Capacity

HEAT TREAT

Lindberg Heat Treating Furnace | Type CT-122410-A3 | 1850° Maximum Temperature |
Built-In Quench Section

Lindberg Heat Treating Furnace | Type 152418-E12 | 17 KW |
1230° Maximum Temperature | 30" X 56" X 32" Box

Lindberg Heat Treating Furnace | Type 121618H | 4 KW |
1250° Maximum Temperature | 26" X 43" X 36" Box

C. I. Hayes Heat Treating Furnace | TYPE LR-51018 | 10 KW |
1850° Maximum Temperature | 28" X 32" X 21" Box

PAINTING

Trinco Dry Blast Machine | Model 48 X 48/BP2 | Dust Collector

Binks Dynaprecipitator Water Wash Spray Booth | 13' X 9 ½' X 8' |
664 Gallon Capacity | Recirculation Pump

Graco HVLP Painting System

INSPECTION

Mitutoyo QM 24" Digital Height Gauge

Keyence XM-2200 CMM (with reverse engineering software add-on)

Numerex CMM | Model 2828-18 CS100 | Manual System with Uni-Touch |
X28" Y28" Z18" Table

Kodak Contour Projector | Model 14-2-A

Ex-Cell-O Contour Projector | Model X1o-827 | 30" Diameter Screen | Floor Model

Wilson Rockwell Hardness Tester | Model 4TT

Sheffield Precisionaire Gauge | Model 153-2 | Graduated in .0001"

Large Assortment of Calibrated Gauge Blocks, Plug Gauges, Thread Gauges,
Micrometers, and other measuring equipment.

Federal Pocket Surf III | Surface Finish Gauge

OTHER

- A) Computer-Aided Design Department
- B) Epoxy Molding
- C) Carpentry Shop
- D) Raw Materials Stock Room
- E) Hot and Cold Blackening

We can send out for anodizing, plating, welding, heat treating, and other finishing/treatments. We will work with our suppliers to source castings or other machine processes we cannot do in-house.