

CREATIVE DESIGN AND MACHINING, INC.

Ivy Industrial Park
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EQUIPMENT LIST

Saws

- Roll – In Saw, vertical band saw with 12” cut, 19” throat
- Delta model 20 vertical band saw, 12” cut, 20” throat
- Hyd-Mech, horizontal band saw with 12” diameter capacity

Engine Lathes

- Nardini 14” x 40” inch/metric with digital readout
- Clausing Colchester 17”x60” inch/metric with digital read out
- TOS 28/36 x 160” inch / metric gap bed with digital read out

Vertical Lathe

- Bullard 36” VTL

Thread Rolling

- Wagner Thread Rolling Head, 1 ¾” diameter capacity

Vertical Milling Machines

- Bridgeport variable speed spindle, 42” table with power feed and digital read out
- Sharp variable speed LMV 42” table with power feed, digital read out, and power drawbar
- Sharp variable speed 50” table with power feed, digital read out, and power drawbar

Milling Accessories

- Riser Block Right Angle Heads
- Horizontal Attachment Shaping Head

Surface Grinding

- Mattison model LSG, 18” x 72” chuck
- Norton S-2, 8” x 24” chuck
- Harig Super 612, 6” x 12” chuck

Engineering Department

- CAD/CAM
- AutoCad 2023 Mastercam CAD/CAM Software
- Solidworks 2022

Hydro Testing

- Barbee P300-DP-0-5-10 dual range 0-10,000 PSI

CNC Router

Thermwood 42, 10 ½ HP spindle, 3000-24,000 rpm, 60” x 120 vacuum table. 120”X, 60”Y, 6”Z travels

Thermwood M43-510 12 Hp 24,000 rpm Spindle
60” x 120” Vacuum Table 120”X, 60”Y, 17”Z

CNC Machining Centers

- Tree VMC1260, 25HP, 32 tool capacity, 49”X, 24”Y, 25” travels
- Takisawa MAC-VIE 7 HP, 10 tool capacity, 16”X 13”Y, 16”Z travels
- Haas EG-1600 horizontal, 30HP, 30 tool, 64”X, 50”Y, 32”Z
- YAM HSMC=650 horizontal, 60 tool capacity, 39”X 32”Y, 25.5”Z travels
- Haas VF-5/50XT , 30 HP, 30 tool capacity, 60”X 26”Y, 25”Z travels
- Haas VF-2, 20 HP, 20 tool, 30” X, 16” Y, 20” Z
- Haas VF-2, 20 HP, 20 tool, 30” X, 16” Y, 20” Z with 4th axis rotary

CNC Turning Centers

- Colchester Tornado 300, 12” chuck, 12 station turret, 3” spindle hole, 16C collet
- Leadwell LTC 35 15”Chuck, 12 station turret, 4.54” spindle hole, 40” turning length
- Hardinge CHNC1, 1 7/8” spindle, 8 station turret, 8” turning capacity with bar feeder & 16C collet
- Haas ST – 30, 10” Chuck, 12 station turret, 3” spindle, 30” centers
- Honor Seiki VL100A, 39”/51” Chuck Capacity 39.37 Vertical Lathe.

Metal Finishing

- Royson vibratory finisher
- Econoline sandblaster

Welding

- Miller syncrowave 500 TIG
- Miller Dynasty 280
- Miller CP-302 MIG
- Miller 250X MIG
- Esab plasma cutter 7/8” capacity

Inspection

- Mitutoyo B241, 28”x 40” coordinate measuring machine
- Mitutoyo AE122, 16”x17” coordinate measuring machine
- Deltronic optical comparator model DH-216 with CNC measuring system
- Rock of Ages 36” x 60” Granite Surface Plate

Inspection Accessories

- Rockwell Hardness Testers Pin Gauges
- Cadillac Gauge with Riser Gauge Blocks
- Micrometers, Indicators, Etc. Profilometer