



Allied Tool & Die

2012 Equipment List

CAPACITY

36,000 sq. ft. manufacturing space w/ 100+ full time employees. 50+ years experience in Aerospace, Automotive, Commercial, Electronic, and Medical Manufacturing. Stamping, Laser Cutting, Laser Welding, Laser Part Marking, Conventional Welding, Conventional Part Marking, Tool & Die, Prototype, Assemblies, Conventional Machining, and Precision CNC Machining.

CNC MILLS CAPACITIES

Mori Seiki NH5000 DCG/40 Horizontal Milling Machine

1 Leadwell V20I

4th axis rotary head

1 TDC 510 Mini Mill 5th axis rotary head

3 Matsuura 500V 20" X 14" X 14" (Rotary)

1 Matsuura 510V 20" X 14" X 18.1"

1 Matsuura 760VX 32" X 20" X 20" (Rotary)

2 Matsuura 800VG 32" X 20" X 20" (12" Rotary)

1 Matsuura ES450H 17.7" X 15.7" X 15.7" (Rotary)

CNC LATHES

3 LEADwell T6

2 Leadwell T7 8" chuck

1 Ameri-Seiki 2 axis turning center 24" dia. turn capacity

1 Nakamura-Tome TMC-300 - 2 axis 2.79 bar cap.

1 Nakamura-Tome SC300M – 3 axis turning center 30 HP, 12 station, backface turning, 2.79" round collet cap.

1 Nakamura-Tome TMC-20 turning center 10 HP, 10 station, 2" bar cap., 11.02" max. workpiece dia.

1 Nakamura-Tome SC250M – 3 axis turning center 2" Bar Cap., 6 Live Heads

1 Moriseiki 2 axis turning center 2" bar cap.

WIRE F.D.M.

1 Charmilles Robofil 330F – 5 axis 15.75" X 11.8" X 15.75", 30 deg. Taper

LASERS

- 1 Domino – Rotary axes 360A continuous (without limitation) 31' x 10' x 12' (L, W, H)
- 1 Sylvania 1610 – 5 axis, 150 watt 18" X 18" X 10" (16" Rotary tilt)
- 1 Raytheon – 4 axis, 400 watt 15" X 32" X 10" (13.5" Rotary)
- 1 Raytheon – 4 axis, 400 watt 18" X 18" X 12" (13.5" Rotary)
- 1 Lumonics – 4 axis, 400 watt 24" X 36" X 8"
- 1 Lee Laser Part Marker – 2 axis, 50 watt 24" X 18" X 11"
- 1 ILM - 5 axis, 400 watt 32" X, Y, and Z plus rotary and rotary nozzle

O.B.I. PRESSES

- 1 V & O 25 ton
- 1 Minster / back geared with air cushion 60 ton
- 1 Walsh / back geared with air cushion 65 ton

GAP FRAME PRESSES

CAPACITIES

- 1 Stamtac High Speed Punch Press 22 ton, 400 s.p.m.
- 1 Komatsu 45 ton
- 1 Minster w/ air cushion 75 ton
- 1 Rosselle w/ air cushion 150 ton

STRAIGHT SIDE PRESSES

- 1 Minster Piece-Maker 60 ton, 600 s.p.m.
- 1 Minster Piece-Maker 60 ton, 325 s.p.m.
- 1 Minster Piece-Maker 100 ton, 160 s.p.m.

LATHES

- 2 LeBlond Engine Lathes 19" dia. X 72"
- 1 Cadillac Gap Bed Lathe 25" dia. X 40"
- 1 Hardinge Manual Chucker Lathe 8" dia.
- 2 Hardinge Tooling Lathes 8" dia.
- 1 Hardinge Second Operation Lathe 8" dia.

MILLS

- 8 Bridgeport Vertical w/ DRO and power feed
- 2 Bridgeport Vertical 9" X 42"
- 1 Moore #3 Precision Jig Borer 12" X 18", w/ grind attachment

GRINDING

- 4 Manual Surface Grinders w/ DRO 6" X 18"
- 1 Okamoto Automatic Surface Grinder 12" X 24"
- ID/OD Grinder Mighty 13 X 34
- OD Grinder Studer 4.5 X 12
- ID Grinder Heald 15 X 10
- 2 Sunnen Honing Machines

METAL FINISHING EQUIPMENT

1 ADF Auger Style Parts Cleaning System
1 Tore 10 Cubic ft. Vibrator Deburr
2 Ultra-Matic 3 Cubic ft. Vibratory Deburr
1 Time Saver Deburr
1 Cress Heat Treat Furnace w/ Rockwell Testing 2,000 degrees
1 Blue M Heat Treat Furnace 9 cu. ft. / 662 degrees

WELDING

CAPACITIES

1 Miller Dynasty 300 DX T.I.G.

1 Miller Synchronwave 351 T.I.G. 400 Amp
1 Miller Synchronwave 250's T.I.G. 300 Amp
1 Miller Millermatic 250 M.I.G. 200 Amp
1 Unitek Resistance Welder 16 KvA
1 Robo Star1 Rotary Welding Positioner 6" dia., 0-90 tilt
1 Sciaky 100 KVA Three-Phase Spot Welding Thickness from .014 - .1875

SHEET METAL MFG EQUIPMENT

1 Muratec Turret Press 25 ton
1 Accupress Brake Press 10 foot bed 130 ton
1 Accupress Brake Press 8 foot bed 60 ton
1 Heager hardware presses
1 Enerpac Hydraulic Press 25 ton
2 Diacro Rolling Mills
1 Pexto Shear
1 TruFab Shear
1 Niagara Shear 3/16" X 12 ft.

SAWS

1 Master Cut
1 Drake
1 Hyd-Mech 18" dia.
1 DoAll Contour

CAD/CAM

10 TekSoft Drawing Systems w/ 3D capabilities
Gibbs Cam
SolidWorks

INSPECTION

2 Master View Suburban 14" comparator
Jones & Lamson 30" comparator
SPC Capability
2 CMM's