

FACILITIES

65,500 sq. ft. of floor space
 1,800 Amp Electrical Service
 Fully Climate Controlled



units are in inches

CNC MACHINING

| | X-Axis | Y-Axis | Z-Axis | Table Size | CNC Control | Capabilities |
|--|--------|--------|--------|-------------|-------------------------------|---|
| Parpas Diamond 30 Linear 5 Axis Gantry High Speed Mill | 118 | 98.5 | 47.25 | 118 x 102 | 5-AXIS Heidenhain i640 | FCS, finishing, drilling, reaming, threading, auto tool changer (24) |
| Parpas Diamond Linear 5 Axis Gantry High Speed Mill | 87 | 59 | 39 | 91 x 63 | 5-AXIS Heidenhain ITNC 530 | FCS, finishing, drilling, reaming, threading, auto tool changer (24) |
| Parpas Diamond 5 Axis Gantry High Speed Mill | 87 | 59 | 39 | 91 x 63 | 5-AXIS Selca | FCS, finishing, drilling, reaming, threading, auto tool changer (21) |
| LinMax Linear 5 Axis Gantry High Speed Mill | 98.4 | 86.6 | 39.4 | 98.4 x 86.6 | 5-AXIS Heidenhain ITNC 530 | FCS, finishing, drilling, reaming, threading, auto tool changer (30) |
| Tarus HSQHTB810 CNC Bridge Mill | 120 | 100 | 44 | 72 x 136 | 5-AXIS FIDIA C10 | FCS, finishing, drilling, reaming, threading |
| Deckel Maho DMC60T | 30.7 | 22 | 22 | 24.8 x 19.7 | 5 AXIS Heidenhain MillPlus IT | FCS, finishing, drilling, reaming, threading, auto tool changer (60), Pallet Changer (2) |
| OKK VM7II Vertical Machining Center | 60 | 29 | 26 | 61 x 29 | 3-AXIS Neomatic 730 | FCS, finishing, drilling, reaming, threading, auto tool changer (16) |
| OKK VP6005AX Trunion Vertical Machining Center | 44 | 24 | 18 | 19.6 x 19.6 | 5-AXIS Fanuc Series 310is | FCS, finishing, drilling, reaming, threading, auto tool changer (16) |
| Creative Evolution HS-1300 Vertical Machining Center | 59 | 27.5 | 23 | 59 x 27.5 | 3-AXIS Creative Evolution | FCS, finishing, drilling, reaming, threading, auto tool changer (24) |
| Creative Evolution HS-1300 Vertical Machining Center | 59 | 27.5 | 23 | 59 x 27.5 | 3-AXIS Creative Evolution | FCS, finishing, drilling, reaming, threading, auto tool changer (16) |
| Creative Evolution HS-1300 Vertical Machining Center | 59 | 27.5 | 23 | 59 x 27.5 | 3-AXIS Creative Evolution | FCS, finishing, drilling, reaming, threading, auto tool changer (16) |
| Creative Evolution HS-500 Vertical Machining Center | 20 | 16 | 16 | 20 x 20 | 3-AXIS Creative Evolution | Graphite machining, auto toolchanger (16) |
| Creative Evolution HS-500 Vertical Machining Center | 20 | 16 | 16 | 20 x 20 | 3-AXIS Creative Evolution | Graphite machining, auto toolchanger (16) |
| Creative Evolution HS-850 Vertical Machining Center | 33 | 20 | 21 | 18 x 37 | 3-AXIS Creative Evolution | Graphite machining, auto toolchanger (20) |
| Sogotec BD-3223 CNC Bridge Mill | 126 | 63 | 31.5 | 79 x 118 | 3-AXIS Fanuc | Roughing, semi-finishing, drilling, platework and milling, |
| Awea SP3016 Bridge Mill | 120 | 63 | 30 | 59 x 120 | 3-AXIS Fanuc | Platework, pin and bush, Drill, tap, c-bore, and pocket milling, auto tool changer (32) |
| Morton VTC-4080 Bridge Mill | 80 | 40 | 32 | 39 x 118 | 3-AXIS Fanuc | used to flatten and square blocks, rails, and support pillars |
| Cincinnati Horizontal Boring Mill | 168 | 51.5 | 25 | 168 x 68 | 3-AXIS Heidenhain | roughing, semi-finishing |
| Kearney Trecker Moduline CNC Machining Center | 71 | 47 | 30 | 74 x 40 | 3-AXIS Heidenhain TNC155 | used to flatten and square blocks, rails, and support pillars |
| Okamoto VMC800 CNC Vertical Milling Machine | 32 | 20 | 20 | 53 x 22 | 3-AXIS Heidenhain TNC155 | small components, wear plates, gibbs, mounting blocks |
| Okamoto VMC800 CNC Vertical Milling Machine | 32 | 20 | 20 | 53 x 22 | 3-AXIS Heidenhain TNC155 | small components, wear plates, gibbs, mounting blocks |
| FPT Pragma High Speed 3 + 2 Axis | 157 | 78.5 | 47 | 147 x 98 | 5-AXIS FIDIA C10 | FCS, 5-Axis side and back pocket work, finishing, drilling, threading |
| Anayak HVN-H-5000 Horizontal Milling Machine | 169 | 106 | 47 | 193 x 47 | 3-AXIS Heidenhain ITNC 530 | roughing, semi-finishing |
| Anayak HVN-H-3300 Horizontal Milling Machine | 104 | 78 | 47 | 130 x 47 | 3-AXIS Heidenhain ITNC 530 | roughing, semi-finishing, angular drilling, deep hole spade drilling, platework and pocket milling |
| Anayak HVN-H-3300 Horizontal Milling Machine | 104 | 78 | 47 | 130 x 47 | 3-AXIS Heidenhain 426 | roughing, semi-finishing, angular drilling, deep hole spade drilling, platework and pocket milling |
| Anayak HVN-H-3300 Horizontal Milling Machine | 104 | 78 | 47 | 130 x 47 | 3+2 AXIS Heidenhain 426 | roughing, semi-finishing, angular drilling, deep hole spade drilling, platework and pocket milling |
| Anayak HVN-H-3300 Horizontal Milling Machine | 104 | 78 | 47 | 130 x 47 | 3+2 AXIS Heidenhain 426 | roughing, semi-finishing, angular drilling, deep hole spade drilling, platework, and pocket milling |

DEEP HOLE DRILLING MACHINES

| | | | | | | |
|-----------------------|-----|----|----|-----------|--------|--|
| Tarus 6-Axis Gundrill | 120 | 61 | 32 | 120 x 120 | 6-AXIS | W travel =86" drilling depth, up to 15 deg up or down, rotating table, deep hole drilling, conventional drilling, reaming, threading, pocket milling |
| Tarus Gundrill | 130 | 60 | 96 | 106 x 60 | 3-AXIS | deep hole drilling, 72" max, reaming, tapping |
| Tarus Gundrill | 130 | 60 | 96 | 96 x 60 | 3-AXIS | deep hole drilling, 72" max, reaming, tapping |

ELECTRICAL DISCHARGE MACHINES

Inner Tank Dimensions

| | | | | | | |
|--|------|-------|------|------------|----------------|-----------------------------------|
| Makino EDNC15, 60 Amp - C Axis, Tool Changer | 66.9 | 45.27 | 31.5 | 98.43 x 63 | Hyper i | sinker EDM, auto toolchanger (16) |
| EDM Solutions, Polaris, 300 Amp | 24 | 18 | 15 | 60 x 44 | Heidenhain 406 | sinker EDM |
| EDM Solutions CNC | 52 | 27 | 18 | 100 x 59 | Heidenhain 406 | sinker EDM |
| EDM Solutions CNC | 52 | 27 | 18 | 117 x 60.5 | Heidenhain 406 | sinker EDM |
| EDM Solutions CNC | 52 | 27 | 18 | 80 x 49.5 | Heidenhain 406 | sinker EDM |

SURFACE GRINDERS

Table Size

| | | | | |
|-----------------|----|----|----|-----------|
| Okamoto FSG-125 | 50 | 22 | 23 | 47 X 19.5 |
| Kent 2412 | 24 | 12 | 13 | 23.5 X 12 |
| Kent 4016 | 39 | 16 | 18 | 39 X 16 |
| Norton | 24 | 8 | 12 | 24 X 8 |

SPOTTING / HOT FITTING PRESSES

Daylight Table Size

| | | | | |
|--|-----|----|----|----------|
| Millutensil Tilt Out Spotting Press, 165 Ton | 80 | 60 | 67 | 80 x 60 |
| Abe-Seiki Tilt Out Spotting Press, 200 Ton | 98 | 78 | 86 | 98 x 78 |
| HPT Hydraulic Press, 2500 Ton | 144 | 96 | 88 | 144 x 96 |

MOLDING EQUIPMENT

| | | | | | |
|---|-----|----|----|----------|---|
| HPT Compression Molding Press, 2500 Ton | 144 | 96 | 84 | 144 X 96 | max mold size 139" x 96", water cooled upper platen |
| Cleaver Brooks Boiler w/Traps & Regs. | | | 40 | HP | (12 zones) up to 330 F mold temp |
| (2) TVC Water Heaters | | | 9 | kw | |
| (2) DME Controllers 8 & 12 Zone | | | | | |
| (2) Advantage Oil Heaters | | | 46 | kw | |
| (1) SMC material roll handler/stripper/cutter/scale | | | | each | |

MISCELLANEOUS

Marvel Band Saw
 Powermatic Band Saw
 Miller Welder
 Lincoln Welder
 18" x 40" Lathe
 16" x 40" Lathe
 Brideports Series 1 & 2

MATERIAL HANDLING/ TRUCKING

Kenworth Quad Axel 80,000 Flatbed
 GM 2500 Diesel Pickup with 5th Wheel Hitch
 Ford F-250 Pickup
 30 ft Flatbed Trailer 16K payload
 Elwell Parker, 50 Ton Die Mover, 110,000 lb
 Allis Chalmers Lift Truck, 12,000 lb
 Hyster Fork Lift, 5,000 Lb
 Komatsu Lift Truck, 5,000 lb

(2) Overhead Crane, 40 Ton Bridge, 35-20 Ton, 100,000 lbs.
 (1) Overhead Crane, 20 Ton
 (3) Overhead Crane, 15 Ton
 (14) Overhead Crane, 5 Ton

ENGINEERING SOFTWARE

(8) NX MACH 3 MOLD DESIGN - Siemens NX 12
 (1) CADFIX
 (1) LEMOINE ENG

MANUFACTURING SOFTWARE

(8) POWERMILL PRO
 (2) POWERMILL ADV
 (1) Delcam Exchange
 (6) Actify Spinfire Ultimate
 (4) NX Gateway - Seimens NX
 (2) LEMOINE 2D
 (2) LEMOINE Translator - UG-Lemoine

Supported CAD File Formats (In order of preference)

Siemens NX7-NX12, STEP 214 , STEP 203, Parasolid, IGES

