

Cygnus, Inc. Equipment List – as of July 2023

MACHINING

- (1) HAAS DS-30Y Dual Spindle Y Axis Turning Center – 10” Chuck, 3” Bar capacity
HAAS Barfeeder V2-A
- (1) HAAS VF-2SSYT MILL– 3+2 Axis 30”X20”
- (2) HAAS VF-4SS CNC MILL – 3+1 Axis 50”X20”
- (1) HAAS TRT160 5th Axis Trunnion – 10.5” Part Swing
- (1) HAAS VF-6SS CNC MILL – 3+2 Axis 64”X32”
- (1) HAAS VF-2SS CNC MILL – 3+2 Axis 30”X16”
- (1) HAAS HRC160 4th Axis Rotary
- (1) HAAS TR160 5th Axis Trunnion – 17.5” Part Swing
- (1) HAAS TRT210 5th Axis Trunnion – 14.5” Part Swing
- (1) FADAL VMC5020A CNC MILL – 3+1 Axis 50”X20”
- (1) FADAL VMC 3016 CNC MILL – 3 Axis 30”X16” (2)
- Acer Vertical Mill 10”X50”
- (2) Bridgeport Vertical Mill 9”X42”
- (2) Harrison Engine Lathe 15”X36”

CNC ROUTER

- (1) KOMO VR512 CNC ROUTER - 5’X12’ TABLE
- (1) KOMO VR508 CNC ROUTER – 5’X8’ TABLE
- (1) KOMO Xtreme 512 CNC ROUTER – 5’X12’ TABLE

WATERJET

- (1) OMAX 55100 JET MACHINING CENTER
PART SIZE UPTO 6’X12’, 180 IPM

BRAKE

- (1) AMADA HDS-8025NT CNC PRESS BRAKE—88 TON, 102”
- (2) TOYOKOKI APB 3613W CNC PRESS BRAKE—36 TON, 51” (1)
- TOYOKOKI APB 286U CNC PRESS BRAKE—30 TON, 24” (1)
- TOYOKOKI APB 5613W CNC PRESS BRAKE - 60 TON, 51”
- (2) PIRANHA ALLSTEEL PRESS BRAKE
- (1) DI-ACRO 6 FT CNC PRESS BRAKE

SHEARS

- (1) ACCURSHEAR 625010 POWER SHEAR - 10’ Width, .500 Max Thickness
- (1) CINCINNATI POWER SHEAR—6’ width, .125 Al Max Thickness

DEBURR

- (1) FLADDER 300/GYRO Brush Sanding Machine with Part Conveyor System
- (1) SHARP SG618 MANUAL SURFACE GRINDER - 6”X18” (1)
- SOUTH BEND SURFACE GRINDER - 8” X 18”
- (2) MR. DEBURR VIBRATORY DEBURR MACHINES (QTY 2)
- (1) DELTA BOSS BENCH OSCILLATING SPINDLE (1)
- BEAD BLASTER 24” X 24” X 36”
- (1) BURR KING 3 WHEEL SANDER
- (1) RODGERS STROKE SANDER - 8” X 8” (2)
- JET BELT AND DISK SANDERS
- (1 EA) BELT SANDERS - 2”, 4”, AND 6”
- (2) DUAL DRAW DOWNDRAFT TABLES

HEAT TREAT

- (1) CRESS R36/942 3’X3’ DROP BOTTOM ELECTRIC FURNACE (1)
- WISCONSIN OVEN AGING OVEN 4’X4’
- (1) PRECISION QUINCY AGING OVEN 1.7’X1.7’
- (1) PARK THERMAL AGING OVEN 8’X10’
- (1) HONEYWELL ELECTRONIC CONTROLLER AND RECORDER

PROCESSING

- ALODINE SHOP – Clear and Colored Alodine
- ANODIZE LINE – Sulfuric, Sulfuric Thin Film and Boric / Sulfuric, LMA
- SINGLETON PSF-22/850-10 SALT SPRAY CHAMBER (QTY 2)
- NON-DESTRUCTIVE TESTING (NDT) – Fluorescent Penetrant Inspection Lab

PAINT

- (8) BINKS PAINT SPRAYER HVLP (3)
- FINISH TECHNOLOGIES FULLY
- ENCLOSED CLEAN AIR FLOW PAINT BOOTH - 10.4’x 16.4’, 8.4’ x 15’, 6.4’ x 16.4’
- (2) CAPTIVE AIRE 12000 CFM 1200K BTU MAKE UP AIR UNIT (1)
- CAPTIVE AIRE 6000 CFM 777K BTU MAKE UP AIR UNIT
- WISCONSIN PAINT DRYING OVEN – 67”x64”x67”

PART MARKING

- (3) AUTOMATION-PLUS VIDEOJET INK MARKING SYSTEM (1)
- APS 125 Autobagger with Printer
- (1) APS 125 Autobagger

ASSEMBLY

- (9) Assembly workstations fully equipped with riveters, drill presses, and all hand tools necessary to complete assemblies.

INSPECTION

LK ALTERA M 15.12.10 COORDINATE MEASURING MACHINE

- ± 1.7 microns Tolerance
- X-Axis 60", Y-Axis 48", Z-Axis 40"
- PH10MQ Plus Motorized Indexing
- Head Native CATIA V5 Import
- VERISURF Inspection
- Software

LK / METRIS ASCENT COORDINATE MEASURING MACHINE

- ±.00031" Tolerance
- X-Axis 39", Y-Axis 28", Z-Axis 24"
- PH10M Motorized Indexing Head
- Native CATIA V5 Import
- Focus Scan Software
- Focus Inspect Software
- CAMIO Studio Software
- VERISURF Inspection
- Software

FARO-ARM Platinum 6FT ±.001" Tolerance

FARO-ARM Platinum 4FT±.0007" Tolerance

FARO-ARM EDGE 12FT ±.0036" Tolerance

FARO-ARM EDGE 4FT ±.0009" Tolerance

FAROBlu Laser Line Probe HD

(3) Trimos V600+ Digital Height Gauge

(1) Trimos V1000+ Digital Height Gauge

(2) Wilson Instron Model R574 Rockwell Hardness Tester

(1) Zetec Eddy Current Tester

(1) Autosigma 3000 Eddy Current Tester

ENGINEERING

CATIA V5/6 (3 Licenses)

SIEMENS- UGNX (2 Licenses)

SOLID EDGE (2 Licenses)

AUTOCAD LT (5 Licenses)

KUBOTEK Model Validation Tool

QPULSE FAI SOFTWARE (7 Licenses)

INFORMATION SYSTEMS

(3) Supermicro X9 Series servers
in 3 node failover cluster

(3) Starwind Virtual SAN license

(1) Dell PowerEdge R510 Server

(1) Dell PowerEdge R610 Server

(1) Sonicwall Firewall

(85) Windows 10 Workstations

Solarwinds DR Solution

FileBound Document Management System

Infor Visual Enterprise ERP System

43 Concurrent Licenses

Fully Integrated with Manufacturing, Scheduling, Quality Assurance, Financial, Human Resources and Payroll.Touchscreen Kiosk
and Barcode Scanner Data Collection

FACILITY

(1) Ingersoll Rand 40HP Rotary Screw Air Compressor

(2) Ingersoll Rand 30HP Rotary Screw Air Compressor

(2) Air Dryer w/ 1 Micron Filtration

Corrosion Resistant Aluminum Tubing Feeding all Paint Operations