

Cygnus, Inc. Equipment List – as of March 2020

MACHINING

- (1) HAAS VF-6SS CNC MILL – 5 Axis 64”X32”
- (1) HAAS VF-2SS CNC MILL – 3 Axis 30”X16”
- (1) HAAS VF-4SS CNC MILL – HRC160 Rotary Table – 4 Axis 50”X20”
- (1) FADAL VMC5020A CNC MILL – 4 Axis 50”X20”
- (1) FADAL VMC 4020 CNC MILL – 3 Axis 40”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 Extreme 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)ACCURPRESS 713010 CNC PRESS BRAKE—130 TON, 120”
- (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) TRENDVIEW 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 / METRIS ASCENT COORDINATE MEASURING MACHINE

±.00031” Tolerance

X-Axis 59”, Y-Axis 28”, Z-Axis 24”

PH10M Motorized Indexing Head

Native CATIA V5 Import

Focus Scan Software

Focus Inspect Software

CAMIO Studio 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

(1) Wilson Instron Model A634T Rockwell Hardness Tester

(1) Wilson Series 2000 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

VISUALIPI 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) Sophos XG310 Firewall

(74) Windows 10 & Windows 7

Workstations

Unitrends 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