



EQUIPMENT LIST

HORIZONTAL MILLING EQUIPMENT

- (2) **CINCINNATI H5-1000**
5-AXIS • 1-SPINDLE • 14 PALLET
40 H.P. 24,000 RPM
X=73", Y=57"; Z=60"
- (2) **MATSUURA MC-900H**
4-AXIS • 1-SPINDLE • 2 PALLET
20 H.P. 4,000 RPM
X=36", Y=28"; Z=29"
- MATSUURA MC-700H**
4-AXIS • 1-SPINDLE • 2 PALLET
20 H.P. 4,000 RPM
X=29", Y=23"; Z=24"

VERTICAL MILLING EQUIPMENT

- CINCINNATI V5-4000**
5-AXIS • 1-SPINDLE
40 H.P. 24,000 RPM
X=157", Y=98"; Z=30"
- (3) **MAZAK VERIAXIS**
5-AXIS • 1-SPINDLE • 16 PALLET
30 H.P. 12,000 RPM
X=25", Y=30"; Z=29"
- (2) **MAZAK SVC**
4-AXIS • 1 SPINDLE
30 H.P. 15,000 RPM
X=200" Y=21" Z=21"
- MAZAK VORTEX**
5-AXIS • 1-SPINDLE
100 H.P. 13,000 RPM
X=157", Y=48"; Z=29"
- HAAS VR11**
5-AXIS • 1-SPINDLE
30 H.P. 10,000 RPM
X=120", Y=26"; Z=30"
- S.N.K. FSP 120V**
5-AXIS • 1-SPINDLE
30 H.P. 4,000 RPM
X=120", Y=50"; Z=24"

- (2) **S.N.K. PC 60V**
5-AXIS • 1-SPINDLE
20 H.P. 5,000 RPM
X=60", Y=26"; Z=23"
- (6) **KASUGA QUANTUM 1250V**
4-AXIS • 1-SPINDLE
40 H.P. 12,000 RPM
X=50", Y=25"; Z=25"
- MATSUURA MC-1000VF**
3-AXIS • 1-SPINDLE
20 H.P. 8,000 RPM
X=40", Y=20"; Z=20"
- (3) **KASUGA QUANTUM 2000V**
4-AXIS • 1-SPINDLE
40 H.P. 12,000 RPM
X=80", Y=35"; Z=32"

MATSUURA MC-800V
3-AXIS • 1-SPINDLE
20 H.P. 8,000 RPM
X=31", Y=17"; Z=19"

HAAS VF4
3-AXIS • 1-SPINDLE
20 H.P. 8,000 RPM
X=50", Y=20"; Z=25"

HAAS VF7
3-AXIS • 1-SPINDLE
20 H.P. 8,000 RPM
X=84", Y=32"; Z=30"

HURCO KM3P
3-AXIS • 1-SPINDLE
10 H.P. 10,000 RPM
X=28", Y=12"; Z=10"

KOMO VMC40
3-AXIS • 1-SPINDLE
20 H.P. 10,000 RPM
X=240", Y=24"; Z=22"

KOMO VMC40
3-AXIS • 1-SPINDLE
20 H.P. 10,000 RPM
X=180", Y=24"; Z=22"

- (6) **NC BRIDGEPORT MILLS**
2-AXIS • 1-SPINDLE
2 H.P. 3,000 RPM
X=30", Y=12"; Z=12"

TURNING EQUIPMENT

- DAINICHI F-30**
CNC LATHE
30 H.P. 8" CHUCK
SWING=14", CENTER=50"
- HARDINGE CHUCKER**
MANUAL LATHE
5 H.P. 4" CHUCK
SWING=6", CENTER=14"

LASER CUTTING EQUIPMENT

MAZAK SUPER TURBO X510
3-AXIS • 2500 WATT
X=120", Y=60"

SHEARING EQUIPMENT

- CINCINNATI SHEAR**
MECHANICAL SHEAR
0.25" THICKNESS CAPACITY
X=144", Y=36"
- WYSONG SHEAR**
MECHANICAL SHEAR
0.190" THICKNESS CAPACITY
X=52", Y=24"
- WYSONG SHEAR**
POWER SHEAR
0.25" THICKNESS CAPACITY
X=52", Y=36"
- (2) **NORTH HIL SQUARE**
MECHANICAL SHEAR
.100" THICKNESS CAPACITY
X=16", Y=18"

EQUIPMENT LIST

WELDING EQUIPMENT

MILLER SYNCROWAVE
350 AMP TIG WELDER

(4) MILLER SYNCROWAVE
250 AMP TIG WELDER

MILLER XMT CC/CV
300 AMP TIG WELDER

HYDRO FORM EQUIPMENT

HYSKO
750 TON
X=36", Y=36"

VERSON FLUID CELL
10,800 TON
X=36", Y=110", Z=4.5"

JOGGLE FORM EQUIPMENT

WILSON & WHITE
150 TON
DBL ACTION HOT JOGGLE
X=48", Y=21"

WILSON & WHITE
60 TON
DBL ACTION HOT JOGGLE
X=46", Y=21"

WILSON & WHITE
90 TON
DBL ACTION
X=34", Y=21"

ARBOR PRESS
50 TON
X=34", Y=21"

STRETCH FORM EQUIPMENT

ALSTOM STRETCH/WRAP
30 TON
BETWEEN JAWS=300"

VERSAFORM STRETCH/WRAP
12 TON
BETWEEN JAWS=100"

HUFFARD STRETCH/WRAP
12 TON
BETWEEN JAWS=100"

MARCHANT
SHRINK/STRETCH FORMER
HAND FORM MACHINE

PUNCH PRESS EQUIPMENT

N/C STRIPPET SUPER AG
50 TON
X=36", Y=30"

BLISS
110 TON
X=47", Y=22"

VERSON
90 TON
X=36", Y=24"

ALVA ALLEN
2 TON
X=8", Y=8"

PRESS BRAKE EQUIPMENT

AMADA CNC
88 TON
Length=102"
5 Axis Back Gage

LODGE & SHIPLEY
225 TON
Length=96"
2 Axis Back Gage

(2) DIARCO
12 TON
Length=36"
2 Axis Back Gage

DIARCO
14 TON
Length=48"
2 Axis Back Gage

WYSONG
20 TON
Length=52"
2 Axis Back Gage

DRIES & KRUP CHICAGO
150 TON
Length=168"

DRIES & KRUP CHICAGO
25 TON
Length=72"

ROLL FORM EQUIPMENT

LOWN PYRAMID
96 TON
ROLLER LENGTH =96"

PEXTO POWER PYRAMID
36 TON
ROLLER LENGTH =36"

COPPER-WEYMOTH
.078" THICKNESS CAPACITY
ROLLER LENGTH =12"

ROPER WHITNEY
.160" THICKNESS CAPACITY
ROLLER LENGTH =36"

HAND PEXTO PYRAMID
12 TON
ROLLER LENGTH =24"

HEAT TREAT EQUIPMENT

DESPATCH FURNACE
TO 990 ° F.
96" X 48" X 48"

DEVILBLISS AGE OVEN
TO 375 ° F.
170" X 90" X 92"

BLUE M AGE OVEN
TO 375 ° F.
36" X 24" X 48"

BLUE M AGE OVEN
TO 375 ° F.
36" X 24" X 16"



EQUIPMENT LIST

DESPATCH AGE OVEN

TO 205 ° F.
36" X 24" X 18"

(3) POLAR PANEL FREEZERS

TO -40 ° F.
240" X 96" X 96"

INSPECTION EQUIPMENT

DEA-SCIROCCO

5 AXIS CNC C.M.M.
X=120"; Y=51", Z=39"

DEA-SCIROCCO

5 AXIS CNC C.M.M.
X=98"; Y=51", Z=39"

DEA-SCIROCCO

5 AXIS CNC C.M.M.
X=79"; Y=34", Z=26"

(3) RENISHAW TOUCH PROBES INSTALLED ON MACHINES

PROGRAMMING

CATIA VERSION V5

6 WORK STATIONS

UNIGRAPHICS N/X

2 – WORK STATIONS

NCL VERSION 9.213

4 – WORK STATIONS

MASTER CAM

6 – WORKSTATIONS

VERICUT VERSION 7.1

6 - WORKSTATIONS