

**METAL 3D PRINTER**

Velo3D Sapphire Printers

- Materials:
 - IN718
 - Ti6Al4V
 - Al357

Build Volume:

300mm Dia. x 400mm Tall

FDM 3D PRINTER

Mark Forged X7 Printer

3D SCANNER

E in Scan Pro 2X Plus W/SE

VAPOR HONING

VH800 FL

33" W x 30" D x 28" H

EXTRUDE HONING

3.25" Piston

12" Diam. X 8" Tall

8" Piston

12.5" Diam. X 47" Tall

ZINC PHOSPHATE

Per MIL-DTL-16232G

Type Z, Class 1 or Class 3

Tank Size 36" x 36" x 36"

With or Without Oil Dip

STEEL SHOT BLAST

Gibson 60" Table Blaster

60" Rd Table x 29.5" Tall

CNC MULTI-TASKING

Doosan Puma SMX3100L

5 Axis Mill / Turn

Swing 24"

Max Turning Length 101"

15" Chuck / Tailstock

Two 40 Tool Magazines

Mazak i-200Y

5 Axis Mill / Turn

Max Turning Length 39.8

8" Chuck / Tailstock

72 Tool Magazine

Mazak Integrex 400Y

5 Axis Mill / Turn

Max Turning Length 40"

15" Chuck / Tailstock

40 Tool Magazine

Mazak Integrex 200Y

5 Axis Mill / Turn

Max Turning Length 40"

8" Chuck / Tailstock

20 Tool Magazine

Doosan Puma 3100LY – Qty. 2

4 Axis Mill / Turn

Max Turning Length 50.39"

12" Chuck / Tailstock

ROBOTIC

Haas ST 10Y Qty. 2

4 Axis

Auto Part Loader

Secondary Spindle &

Live Tooling

Std X & Z; Y & C

CNC MILLS

Hass VF 2-TR - Qty. 5

5 Axis with Rotary & Trunnion

Travel 30" x 16" x 20"

Hass VF 3 - Qty. 2

4 Axis with Rotary

Travel: 40" x 20" x 25"

8" Chuck / Tailstock

Haas Mini Mill - Qty. 9

4 Axis with Rotary

Travel 16" x 12" x 10"

with 5C Collet

Haas VF 5

4 Axis with Rotary

Travel 50" x 26" x 15"

with 10" Chuck / Tailstock

Haas TM2P Toolroom

3 Axis

Travel 40" x 16" x 16"

40 Taper/6000 rpm/

CNC LATHES

Doosan Puma 4100L - Qty. 3
2 Axis

Travel 82" Between Centers
Tailstock / Steady Rest
15" Chuck
Swing 4.9"
5C Collet

Haas ST 35Y

4 Axis

With Milling Capability
Travel 12.5" x 26"
12" Chuck

Doosan Puma 5100LB

2 Axis

Programable Tailstock /
Steady Rest
Max Turn 81.97"
Max Diameter 25.6"

Haas DS 30 – Qty. 2

3 Axis

Automatic Bar Feeder
Travel 12.5" x 26"
Sub-spindle
3.25" Max Diameter
60" Max Length

Haas ST 30 – Qty. 2

2 Axis

Travel 12.5" x 26"
10" Chuck / Tailstock

Haas CL-1 – Qty. 2

2 Axis

Automatic Bar Feeder
Travel 8" x 20"
5C Collet

Bardons & Oliver 2SC - Qty. 2

2 Axis

Max Turn 16.25"
15" Chuck

Haas TL3 Toolroom

2 Axis

Travel 20" x 60"
12" Chuck
Tailstock / Steady Rest

SAWS / DRILLS

Cosen MH-1016JA Saw

Cosen G-320 Saw – Qty. 2

Cosen C420NC Saw

Deep Hole Drill

I.D. 0.75" to 7".

Max O.D. 10" Depth 70"

Micro/Gun Drill XL-1500

I.D. 0.197" to 1.26"

Max O.D. 10" Depth 59"

INSPECTION

Zeiss Contura CMM

X = 1000mm, Y=2100 mm,
Z= 600mm

Vast XTR Head

Zeiss Contura CMM

Z=600 mm, X &Y= 700mm

Vast XTR Head

Zeiss Accura-2

X=900mm, Y=1600mm,
Z=800mm

Vast XTR Head

CC-14 Comparator – Qty. 2

Zeiss Pi Web CPK – Qty. 2

Statistical Analysis Inspection
Software

Registrations: AS 9100D, ISO 9001:2015, ITAR and Export Control (JCP).

Certifications: HUBZone and WOSB

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