

## CNC & MANUAL MACHINE CAPACITY / SPECIFICATION

DEVLIEG 43J60, BORING MILL	MAKINO a81nx, HMC Full 4 <sup>th</sup> axis	Mazak 510C (VMC)
CNC Control: Mitsubishi MELDAS	CNC Control: FANUC Pro 6 Series	CNC Control: MAZTROL 640M NEXUS
Axis Travel: X 59.3, Y 49.3, Z13.2, W 15.0	Axis Travel: X35.43, Y35.43, Z40.16	Axis Travel: X 41.34, Y20.27, Z20.08
Work Table:	Table Size: Dual 630mm pallet	Table Size: 21.65 x 51.18, Dual Pallet
Tool Holder: 50 taper	Tool Holder: CAT 50	Tool Holder: CAT 40
Tool Changer: none	Tool Changer: 136	Tool Changer: 30 ATC
Niigata HN80D, HMC Full 4 <sup>TH</sup> axis	Niigata HN100D, HMC	Okuma & Howa, 55VA, VMC
CNC Control: FANUC Series 16i-MB	CNC Control: FANUC Series 16i-MB	CNC Control: FANUC Series 15M
Axis Travel: X 1530, Y 1100, Z 1020	Axis Travel: X 2030, Y 1500, Z 1200	Axis Travel: X 40.5, Y 21.5, Z 22.085
Pallet Size: 800mm	Pallet Size: 1000MM	Table Size: 63.0 x 22.0
Tool Holder: CAT50	Tool Holder: CAT50	Tool Holder: CAT 50
Tool Changer: 90	Tool Changer: 239	Tool Changer: 24 ATC
LEADWELL V40 it, 5 Axis	STORM	
CNC Control: FANUC Series oi - MD	CNC Control:	
Axis Travel: X33.0, Y 25.0, Z17.5	Axis Travel: X40.15, Y20.00, Z22.00	
Table Size: 4-21	Table Size: 47.24 x 19.68	
Tool Holder: CAT 40	Tool Holder: CAT 40	
Tool Changer: 24 ATC	Tool Changer: 24	
	RPM: 80-12000	
GRINDERS	HARDINGE CNC Grinder Internal / External	
OKAMOTO – 20.0 Rotary, Fine Finish	CNC Control: FANUC	
BLANCHARD – 36.0 Rotary	Table Travel: 26.0	
HEALD – Internal grinder	Wheel Head Travel: 16.0	
	Wheel Diameter: 16.0	
	Magnet and 3-jaw chuck	

## CNC & MANUAL MACHINE CAPACITY / SPECIFICATION

HWACHEON Lathe, HI ECO 21HS	SMART NL3000BML	AMERA Seiki Lathe, T-415
CNC Control: FANUC, Korea series OT	CNC Control: FANUC Oi-TF Plus	CNC Control: FANUC Series oi - TC
Axis Travel: X 13.625, Z 16.75	Axis travel: X10.600 Z44.1	Axis Travel: X23.2, Y28.0
Chuck Size: 8.00 power chuck	Main Spindle: 12.0 (2800 rpm)	Chuck Size: 15.00
Between Centers: 23.0 (17.0 usable)	Between Centers:	Between Centers: 31.5 (24.0 usable)
Tool Holder: block style	TOOL HOLDER: BMTS65 STATIC AND LIVE	Tool Holder: block style
Tail Stock: Hydraulic	TAIL STOCK: 42.0 and quill 3.94	Tail Stock: Hydraulic
Turret: 12 Station	Turret: 12 station, 24 positions	Turret: 12 Station
Filler Tube: 2.032 (max 2.00 stock)	Filler Tube: 4.060 diameter	Through spindle bore diameter: 4.625
	MAX Swing: 27.56 / MAX Turn: 17.9	
CLAUSING METOSA, SM1560VS	SMART NL 2500SY	
CNC Control: GE FANUC, Quick Panel	CNC Control: FANUC Oi-TF Plus	
Axis Travel: x	Axis travel: X10.08 Z32.68 Y4.33 B31.5	
Chuck Size: 8.00	Main Spindle: 10.00 (4000 RPM)	
Between Centers:	Between Centers: 27.56	
Tool Holder: Aloris Quick Change Block	TOOL HOLDER: BMTS65 STATIC AND LIVE	
Tail Stock: Manual	Sub Spindle: 8.00 (5000 RPM)	
Turret: none	Turret: 12 station, 24 positions	
Filler Tube: none	Filler Tube: 3.19 MAIN & 2.00 SUB	
	3-machines of this model	

## CNC & MANUAL MACHINE CAPACITY / SPECIFICATION

NAKAMURA NTRX 300L	
CNC Control	FANUC / NAKAMURA WINDOWS 10
Max turning diameter / Max turning length	25.0 / 63.0
Distance between spindles	max.1,850mm/min.300mm
Bar capacity	3.149
Chuck size	12.00 Right / 12.00 Left
Axis travel Slide travel (X1/Z1/B2)	700mm/1625mm/1550mm/250mm
B-axis positioning range	240° (±120°)
Left and Right Spindle	Both, Full 5 <sup>th</sup> axis
Spindle speed	4,500min-1
ATC	80tool capacity

Bridgeport, Vertical Knee Mill	LAGUN, Vertical Knee Mill
Horizontal Saw	Marvel Saw, Vertical Saw

Bay One has a 5ton overhead crane with electronic remote control.

Bay two has two overhead cranes one 5 ton and one 10 ton.

### SOFTWARE

- Mastercam
- GibbsCAM
- SOLIDWORKS
- CIMCO Communication and Program Simulation
- 3D Printer Software
- Visual EstiTrack Scheduling and organizational Software
- Laser marking