

MACHINE LINE CARD



VERTICAL TURNING LATHES	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
Okuma VTM-2000YB	5-Axis, 23,000 lb, 78" Diameter	96"	61"	53"	10,000
Okuma VTM-1200YB	5-Axis, 6,000 lb, 48" Diameter	50"	48"	42.5"	10,000
Gray VBM	144" Table	168"	-	96"	-
Bullard VBM	5 Station Tool Changer	66"	-	64"	-
DN Solutions VTR 1620M	Vertical Turning Center with Live Tooling	78"	-	70"	3,000

HORIZONTAL LATHES	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
Hwacheon Hi-Tech 850 BB XL	Full C-Axis; Radial & Axial Live Tooling	36"	8.5"	196"	2,500
Haas SL-30	Full C-Axis; Radial & Axial Live Tooling	22"	-	34"	2,500
DN Solutions Puma 3100LSY	Full C-Axis; Sub Spindle, Radial & Axial Live Tooling	16.5"	5"	50"	5,000

VERTICAL MILLS	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
DN Solutions DNM750L/50 II	4,000 lb Table Load	85"	30"	30"	10,000
Haas Super VF-4SS	Rotary 4th Axis	50"	20"	25"	12,000
DN Solutions DNM750/50 II	3,200 lb Table Capacity	65"	30"	30"	8,000

HORIZONTAL MILLS	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
DN Solutions DHF 8000	Simultaneous 5-Axis; Integrated 24 Station Linear Pallet System	57"	47"	59"	15,000
DN Solutions NHM 8000	Full B-Axis; Integrated 24 Station Linear Pallet System	55"	41"	47"	8,000
Matsuura H Plus-405	Full B-Axis; Twin Pallet Changer	24"	24"	24"	12,000
Matsuura H Plus-300	Full B-Axis; Twin Pallet Changer	18"	18"	18"	12,000
Cincinnati Gilbert HJF	Full B-Axis; 75 Ton Capacity	360"	120"	47"	1,500
RE-TOS W100A	13,000 lb Table Capacity	63"	44"	48"	1,200

DOUBLE COLUMN MILLS	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
DN Solutions DBM 2540	Rotary 90 Degree Head for Five Face Machining	167"	118"	43"	Vertical: 8,000; R Angle: 6,000
Nicolas Correa 5-Axis FP30/40	Full B & C Axis; Articulating Head	137"	78"	39"	4,000

GRINDERS	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS
Okamoto Surface Grinder	High Volume Grinder	40"	20"	18"
Thompson Surface Grinder	Large Capacity	36"	96"	48"

QUALITY ASSURANCE

	CAPABILITIES/CAPACITY	VOLUMETRIC ACCURACY
Hexagon Romer Arm	6-Axis; 2 m Measuring Range	30 µm
Hexagon Leica Absolute Tracker	79 m Measuring Range	up to 32 µm & 96 µm
Sheffield Endeavor CMM	Temperature Tolerant; Vibration Resistant	up to 8 µm & 2.5 µm
Hexagon Global S Chrome 12.22.10	Temperature Tolerant, Vibration Resistant, Touch Probing, Analog Scanning, Blue Laser Scanning	2.5 µm to 10.0 µm