

MACHINE LINE CARD



► PRECISION MACHINING

MACHINE	CAPABILITIES/CAPACITY	X-AXIS	Y-AXIS	Z-AXIS	MILL SPINDLE (RPM)
VERTICAL TURNING LATHES					
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"	100
Bullard VBM	5 Station Tool Changer	66"	-	64"	-
DN Solutions VTR 1620M	Vertical Turning Center with Live Tooling	78"	-	70"	3,000
HORIZONTAL LATHES					
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					
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
DN Solutions DVF 6500 (Qty. 2)	Simultaneous 5-Axis Machining	30"	31"	24"	18,000
HORIZONTAL MILLS					
DN Solutions DHF 8000 (Qty. 2)	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					
DN Solutions DBM 2540	Rotary 90 Degree Head for Five Face Machining	167"	118"	43"	Vertical: 8,000; R Angle: 6,000
DN Solutions DBM 2550U	Full 5-Axis Universal Head	207"	118"	39"	15,000
GRINDERS					
Okamoto Surface Grinder	High Volume Grinder	40"	20"	18"	-
Thompson Surface Grinder	Large Capacity	36"	96"	48"	-

► QUALITY ASSURANCE

MACHINE	CAPABILITIES/CAPACITY	VOLUMETRIC ACCURACY
Hexagon Romer Arm	6-Axis; 2 m Measuring Range	30 µm
Hexagon Leica Absolute Tracker AT960	20 m Measuring Range; SMR & T-Probe; With Laser Scanning	15 µm to 330 µm
Hexagon Leica Absolute Tracker ATS800	40 m Measuring Range; SMR; Direct Scanning	21 µm to 361 µm
Sheffield Endeavor CMM	Temperature Tolerant; Vibration Resistant	2.5 µm to 8 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

► SURFACE PREPARATION

MACHINE	CAPABILITIES	CAPACITY
Voortman VSB1500 Shot Blaster	Automated Shot Blasting of Plates and Structural Profiles; Surface Preparation for Coating Adhesion	60" W × 24" H × Unlimited Length

► LASER & PLASMA CUTTING

MACHINE	CAPABILITIES	CAPACITY
Voortman V353 Plate Laser	40 kW Fiber Laser; Cuts Plate up to 2" thick; Bevel Cutting up to 45°	120" W × 2" H × 780" L
X-Series Plate Laser Plus	40 kW High-Speed Plate Processor; Cuts Carbon Steel up to 3-1/8"; Stainless Steel up to 4"; Aluminum up to 2-3/4"	96" W × 312" L; 26,000 lb Table Capacity
BLM Group LT8.20 Tube Laser	Fiber Tube Laser Cutting; Processes Tube, Angle, Beam, and Channel Profiles; Drilling and Tapping	9.5" Dia. x 27'10" L
ALLtra CNC Plasma Cutter	CNC Plasma and Oxy-Fuel Cutting; Carbon Steel, Stainless Steel, and Aluminum; Plasma Cutting up to 3" thick; Oxy-Fuel Cutting up to 10" thick	12'-6" W × 42'-6" L
Voortman Robotic Plasma Cutter	8-Axis Robotic Plasma and Oxy-Fuel Cutting; Automated Layout Marking	50" W × 20" H × 60' L

► BAND SAWING

MACHINE	CAPABILITIES	CAPACITY
Voortman VB-1250 Band Saw (Qty. 2)	Twin Column Design; Servo-Controlled Feed System for Optimized Cutting Pressure	50" W × 20" H; Miter up to 60 Degrees
Peddinghaus DG-1250 Band Saw (Qty. 2)	Twin Column Design; Speed Sawing Technology	48" W × 23" H; Miter up to 60 Degrees
Peddinghaus 1250-510 Band Saw	Straight Cut Band Saw; Twin Column Design; Speed Sawing Technology	49" W × 20" H

► BEAM PROCESSING

MACHINE	CAPABILITIES	CAPACITY
Voortman V630 & V631 Drill & Mill	CNC Drilling, Milling, Tapping, Countersinking, and Layout Marking	50" W × 24" H × Unlimited Length
Peddinghaus BDL-1250/9D Drill Line (Qty. 2)	CNC Drilling, Tapping, Countersinking, and Layout Marking	50" W × 24" H × Unlimited Length; 43,800 lb Max Material Weight; Drills up to 2" Dia.
Voortman V2000 Cambering	Beam Cambering; Precision Curving of Structural Beams	440-Ton Capacity; W40 × 12" × 235" Max Profile

► FORMING

MACHINE	CAPABILITIES	CAPACITY
Plate Roll	Variable Axis Rolls Enable Precision Cone Forming	96" Width; 5/8" Thickness
Adira PA Basic 13530 Press Brake	CNC Hydraulic Press Brake	135-Ton; 10' Bend Length
Adira PH500 40/45 Press Brake	Heavy Plate Forming; CNC Hydraulic Press Brake	500-Ton; 13' Bend Length

► ROBOTIC WELDING

MACHINE	CAPABILITIES	CAPACITY
Peddinghaus PeddiAssembler (Qty. 2)	Laser Scanning with Automated Fit-Up and Welding; 360° Automatic Positioning	30" W × 16" H × 60' L
AGT Robotics Twin Welding Robots	SnapCam 3D Vision System; 9-Axis Robotic Movement	15' W × 8' H × 112' L
Yaskawa Motoman Arcworld 2000	Robotic Workcell & Welding Robot	6'2" Dia. x 13' L
OTC DAIHEN ECO-ARC FD	Arc Welding Robot	5' Dia. Work Area
Vectis Automation Welding Cobot (Qty. 2)	Fronius Power Source with Push-Pull Welding; Carbon Steel, Stainless Steel, and Aluminum Welding; Advanced Weld Programming Software	69" Reach; 44 lb Payload Capacity
Lincoln Electric Cooper CRX-25iA Cobot	Fanuc Robot Arm; Rapid, User-Friendly Programming; Mobile and Long Reach	74.4" Reach; 55 lb Payload Capacity