



TECHNICAL INFRASTRUCTURE & MACHINERY PARK

Professional Technical English Specifications & Equipment Capabilities

1. CNC Turning Centers

1.1 HAAS ST-10-NGC CNC Turning Center + FUSION 3000 mm Bar Feeder

Max. Turning Diameter	Ø165 mm
Spindle Bore	Ø40 mm
Cross Travel (X-axis)	200 mm
Max. Turning Length (Z-axis)	406 mm
Bar Feeder System	FUSION 3000 mm automatic feeder

1.2 HAAS ST-20-Y CNC Turning Center

Max. Turning Diameter	Ø210 mm
Spindle Bore	Ø63 mm
Cross Travel (X-axis)	213 mm
Max. Turning Length (Z-axis)	571 mm
Y-axis Travel	51 mm
Configuration	4-Axis with live tooling and C-axis rotation



1.3 HAAS ST-25-NGC-R CNC Turning Center + IEMCA 3000 mm Bar Feeder

Max. Turning Diameter	Ø254 mm
Spindle Bore	Ø65 mm
Cross Travel (X-axis)	213 mm
Max. Turning Length (Z-axis)	571 mm
Bar Feeder System	IEMCA 3000 mm automatic feeder

1.4 HAAS ST-25-NGC-R CNC Turning Center

Max. Turning Diameter	Ø254 mm
Spindle Bore	Ø65 mm
Cross Travel (X-axis)	213 mm
Max. Turning Length (Z-axis)	571 mm
Configuration	Standalone turning configuration

1.5 DOOSAN LYNX-220 LM CNC Turning Center

Max. Turning Diameter	Ø200 mm
Spindle Bore	Ø52 mm
Cross Travel (X-axis)	290 mm
Max. Turning Length (Z-axis)	628 mm
Configuration	CNC turning center with live tooling and milling capability



2. Vertical CNC Machining Centers

2.1 HARDINGE XV 710 Vertical Machining Center

Table Travel (X-axis)	710 mm
Table Travel (Y-axis)	420 mm
Table Travel (Z-axis)	457 mm
Configuration	High-precision 3-axis vertical CNC milling center

2.2 HAAS VF-2 Vertical Machining Center

Table Travel (X-axis)	762 mm
Table Travel (Y-axis)	406 mm
Table Travel (Z-axis)	508 mm
Table Dimensions	914 x 356 mm
Configuration	High-rigidity vertical CNC machining center

3. Laser Cutting & Sheet Metal Bending

3.1 DNE GLOBAL LC3 / 6 kW Fiber Laser Cutting Machine

Nominal Sheet Size (X-axis)	3000 mm
Nominal Sheet Size (Y-axis)	1500 mm
Laser Power Output	6.0 kW (6000 W)
Max. Cutting Thickness - Carbon Steel	25 mm
Max. Cutting Thickness - Stainless Steel	20 mm

Max. Cutting Thickness - Aluminum	20 mm
Max. Cutting Thickness - Brass	10 mm
Max. Cutting Thickness - Copper	10 mm

3.2 HSG R1 / 3 kW Tube & Profile Fiber Laser Cutting Machine

Laser Power Output	3.0 kW (3000 W)
Round Tube Cutting Range	φ8 - φ120 mm
Square Profile Cutting Range	□8x8 - □120x120 mm
Rectangular Tube Cutting Range	Any side 8 - 120 mm
Steel Angle Capacity	20x20 mm to 80x80 mm
U-Channel Capacity (Ceownik)	50x37 mm to 80x43 mm
I-Beam Capacity (Dwuteownik)	50x37 mm to 80x50 mm
Max. Workpiece Weight	80 kg (12.3 kg/m)
Max. Workpiece Length	1000 - 6500 mm

3.3 BAYKAL APHS PRO 31200 CNC Press Brake

Bending Width	3100 mm
Bending Force (Tonnage)	200 tons
Throat Depth	410 mm
Daylight (Open Height)	530 mm
Stroke (Top Beam)	260 mm
Table Width	60 mm (Narrow Type)
CNC Control System	Multi-axis synchronized CNC control



4. Welding, Pressing & Surface Finishing

4.1 TRM-LWH 3 kW Handheld Laser Welding Machine

Workpiece Thickness Range	0.4 – 8.0 mm
Laser Source	Maxphotonics fiber laser source
Laser Head	Wobble laser head with integrated beam control system
Laser Power Output	3.0 kW (3000 W)

4.2 NORDSON Industrial Powder Coating Line

Powder Coating Booth	TRIBO electrostatic powder coating system
Powder Spray System	OPTIFLEX 2 (Automatic operation, capacity: 50 m ² /h)
Curing Oven / Thermal Chamber	ZUGIL (6000 x 1800 x 1800 mm)
Conveyor System	Overhead manual conveyor system for workpiece transport

4.3 Eccentric & Hydraulic Presses

Tonnage Range	5 to 400 tons
Press Types Available	Eccentric and hydraulic configurations
Applications	Stamping, blanking, forming, and deep drawing operations