



PRECISION ENGINEERS

JW HILL PRECISION ENGINEERING

Engineering services and capabilities

CNC machining, precision grinding and supporting engineering services.

Engineering services

CNC milling
CNC turning
Surface grinding
Cylindrical grinding
Hard turning
Cold chemical blacking
Polishing
Broaching

Additional services

Metal bonding
Metal coating
Heat treatment processes
Metal cutting
Brazing
Fabrication
Laser cutting

Quality and inspection

Dedicated inspector • ISO 9001:2015 certified

Machine capabilities

Machine types and maximum part dimensions.

CNC machining

Machine Model	Type	Maximum Part Dimensions
Mazak Quick Turn Nexus 200-II	CNC Lathe	Diameter: 200 mm
Mazak Quick Turn Smart 100S	High speed CNC Lathe	Diameter: 150 mm
XYZ ProTurn RLX 425	Heavy duty CNC Lathe	Diameter: 330 mm
Hurco VM10	Vertical 3 axis Machining Centre	760 mm L x 355 mm W x 457 mm H
Hurco VM2	Vertical 4 axis Machining Centre	1160 mm L x 457 mm W x 457 mm H

Precision grinding

Machine Model	Type	Maximum Part Dimensions
Jones and Shipman 1400	Hydraulic Surface Grinding Machine (2 units)	500 mm L x 200 mm W x 200 mm H
Jones and Shipman 1307	Hydraulic Universal Grinding Machine (4 units)	300 mm D x 600 mm L
Jones and Shipman Between Centres Grinder	Cylindrical Grinding Machine (4 units)	200 mm D x 500 mm L
Wickman OPG Optical Profile Grinder	Profile Grinding Machine	Intricate profiles and tight tolerance parts
Abwood RG1 Surface Grinding Machine	Hydraulic Surface Grinding Machine	550 mm D x 250 mm H