

MC3000 Flange Machining Center Specifications		
MC Capabilities		
Operations	Workpiece Location Recognition Bolt Circle Drilling Face Grinding Edge Grinding Seal Groove Grinding	
Pipe / Flange Dimensions		
Pipe Nominal Diameter, Maximum	mm	3,000
Flange Outer Diameter, Maximum	mm	3,500
Flange Bolt Circle Diameter, Maximum	mm	3,300
Flange Thickness, Maximum	mm	300
Flange Bolt Hole Diameter	mm	22 - 52
Flange Bolt Diameter		M20 - M48
Flange Number of Bolts		12 - 80
Spindle		
Spindle power	kW	5.5
Spindle speed – adjustable	rpm	100 – 3000
Maximum tool diameter	mm	100
Maximum tool length	mm	300
Spindle tool change		Pneumatic
Coolant		Through spindle and external
Recommended tools		Diamond bits
Axis Travel		
X-Axis	mm	3,600
Y-Axis	mm	3,600
Z-Axis, Vertical	mm	650
Touch Probe	mm	400
Lifting Table	mm	1150
Positioning Accuracy	mm	0.25
Jog Speed, Maximum	mm/min	5,000
Control		
Number of Axes	6	
Number of Axes in Coordinated Motion	3	
CNC Form Factor	Industrial PC – Cabinet Mount	
Servo Connectivity	Digital Drives	
CAD / CAM	PC-Based Wizard Driven to Define New Geometries Database for Previously Defined Geometries	