



# C42 MYS

## 6-Axis CNC Twin Spindle Single Turret with “Y” Axis

- + 6,000 RPM Built In Main and Sub Spindle
- + 10 Station BMT 55 Live Tool Turret
- + 1 5/8" (42 mm) Bar Capacity (2" Optional)
- + Full “Y” Axis for Milling off Centerline
- + Marposs Tool Probe for Ease of Setup
- + 6" Kitagawa Chuck for Main Spindle
- + 5" Kitagawa Chuck for Sub Spindle
- + Parts Catcher with Conveyor Included



**Main Spindle - 42 mm**

Maximum RPM	6,000 RPM Built-in integral spindle motor
Spindle Motor	10-HP (7.5 Kw 30-minute duty rated)
Spindle Nose Mount	A2 - 5
Maximum Barstock Diameter	1 5/8" (42 mm, 1.654")
Spindle Through Hole Diameter	1.98" (50.5 mm, 1.988")
Maximum Chucking Diameter	6"
Maximum Swing Diameter	9.84" (250 mm)
Spindle Center Height	41" (1035 mm)

**Sub Spindle**

Maximum RPM	6,000 RPM Belt-Driven
Spindle Motor	10-HP (7.5 Kw 30-minute duty rated)
Spindle Nose Mount	A2 - 4
Maximum Chucking Diameter	5"
Maximum Travel Distance	11.4" (290 mm B-Axis)

**Axis Specifications**

X-Axis Travel	4.33" (110 mm)
Z-Axis Travel	10.633" (270 mm)
X, Z & B Rapid Traverse Rates	787 IPM (20 m / min)
Y-Axis Travel	2.362" (60 mm, ± 30 mm = 1.181")
Y-Axis Rapid Traverse Rate	31.5 IPM (8 m / min)
X-Axis Servo Motor Power	.67-HP (.5 Kw)
Y & B Axis Servo Motor Power	1.0-HP (.75 Kw)
Z-Axis Servo Motor Power	1.6-HP, 2.4-HP (1.2 Kw, 1.8 Kw with 52 mm bore)

**Tool Turret**

Number of Tool Stations	10-Driven Tool Stations e.g. WTO Quick-Flex toolholders
Driven Tool Speed	6,000 RPM (higher with speeder tools)
Driven Tool Servo Motor	1.34-HP (1.0 Kw)
Indexing Drive	Hydraulic Motor
Indexing Time	0.8-Seconds
Coolant Pressure (both turrets)	135 PSI

**Machine Dimensions**

Machine Weight	4,410 lbs (2,000 kg)
Machine Dimensions (W x H x D)	85" x 81" x 60" (w/ rear discharge chip conveyor)
Coolant Capacity	29 gallons (110 liters)
Voltage Requirements	200 vac ±10% (19 Kva 3-PH)
Air Pressure Requirement	0.4 - 0.5 MPa @ 150 L / min.