

## **CY2** | Double Spindle Double Y-Axis B-Axis

### Full Size Built-in Spindles Simultaneous Machining 360° B-Axis Rotation

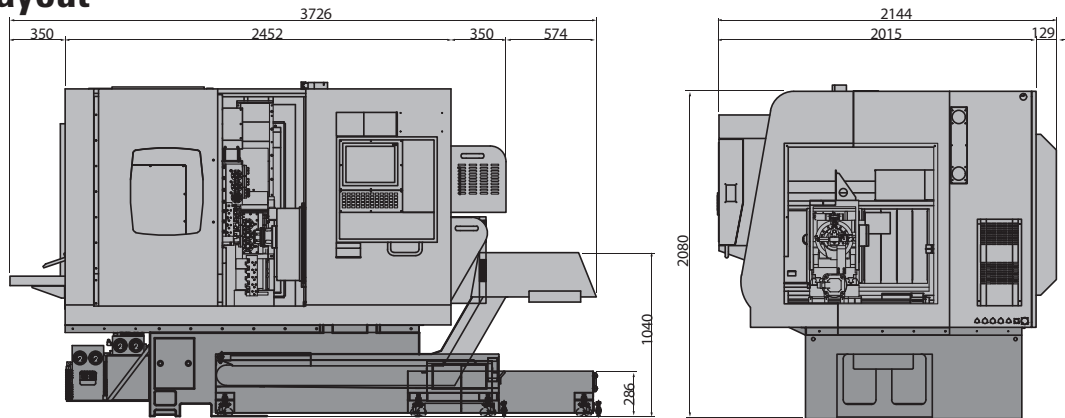
- The CY2 features two spindles of the same size to deliver powerful and efficient cutting on both the front and back of the workpiece.
- Cut with equal efficiency on the front and back spindles, improving productivity, and drastically reducing your cycle times.
- Full 360° B-axis rotation and 12 live tools provide maximum machining versatility, and can easily handle complex contouring or angled drilling operations.
- The flat bed design with front and rear gang tool holders removes the space and interference issues that slant bed designs can have with smaller complex parts machining.



# CY2-52M (B)

- Main Spindle (12 Live Tools, 5 ID Turning Tools, 5 OD Turning Tools)
- Sub Spindle (6 Live Tools, 4 ID Turning Tools, 4 OD Turning Tools)

## Machine Layout



Unit: mm

## Specifications

Model		CY2-52M (B)
<b>Control Unit</b>	<b>Controller</b>	<b>MITSUBISHI</b>
<b>Capacity</b>	Max. Turning Dia.	Ø51 mm
	Standard Turning Dia.	Ø51 mm
	Max. Turning Length	180 mm
<b>Axes Specification</b>	X1/Y1/Z1-Axis Travel	200/455/192 mm
	X1/Y1/Z1-Axis Motor	1.0 kW / 2.2 kW / 1.5 kW
	X1/Y1/Z1-Axis Rapid Travel Speed	20 m/min
	X2/Y2/Z2-Axis Travel	486.5 / 450 / 228 mm
	X2/Y2/Z2-Axis Motor	1.0 kW / 2.2 kW / 1.0 kW
	X2/Y2/Z2-Axis Rapid Travel Speed	20 m/min
	B-Axis Motor	0.4 kW
<b>Main Spindle</b>	Min. Input Unit	0.001 mm
	Max. Bar Feeding Dia.	Ø51 mm
	Spindle Motor	7.5/11 kW
	Max. Spindle Speed	6000 rpm
	Collet of Spindle	TRB-52
<b>Main Spindle Live Tooling</b>	O.D. Turning Tool Size	□20 mm
	I.D. Turning Tool Size	Ø25 mm
	Axial and Radial Live Tooling Size	ERA-20
<b>Sub Spindle</b>	Axial and Radial Live Tooling Motor	2.2 kW
	Axial and Radial Live Tooling Max. rpm	6000 rpm
	Max. Bar Feeding Dia.	Ø51 mm
	Sub Spindle Servo Motor	7.5/11 kW
	Max. Sub Spindle Speed	6000 rpm
<b>Sub Spindle live Tooling</b>	Collet of Sub Spindle	TRB-52
	No. of O.D. Turning Tool	4
	O.D. Turning Tool Size	□20 mm
	No. of I.D. Turning Tool	4
	I.D. Turning Tool Size	Ø25 mm
	Min. Input Unit	0.001 mm
	Axial and Radial Live Tooling Size	ER-20
<b>Hydraulic</b>	Axial and Radial Live Tooling Motor	2.2 kW
	Axial and Radial Live Tooling Max. rpm	6000 rpm
	Hydraulic Motor	1 HP / 0.75 kW
<b>Coolant Pump</b>	Main/Sub Spindle Upper Flush Pump	1 HP / 0.75 kW
	Tool Coolant Pump	1 HP / 0.75 kW
	Sub Spindle Internal Coolant Pump	1.4 HP / 1.1 kW
<b>Tank Capacity</b>	Hydraulic Tank	60 L
	Coolant Tank	280 L
<b>Machine</b>	Voltage stabilizer / transformer	220 V / 45 KVA
	Machine Size (LxWxH) (includes chip conveyor)	3726 x 2144 x 2080 mm
	Machine N.W. (includes chip conveyor)	6000 kg

\* Design and specs subject to change without notice.

