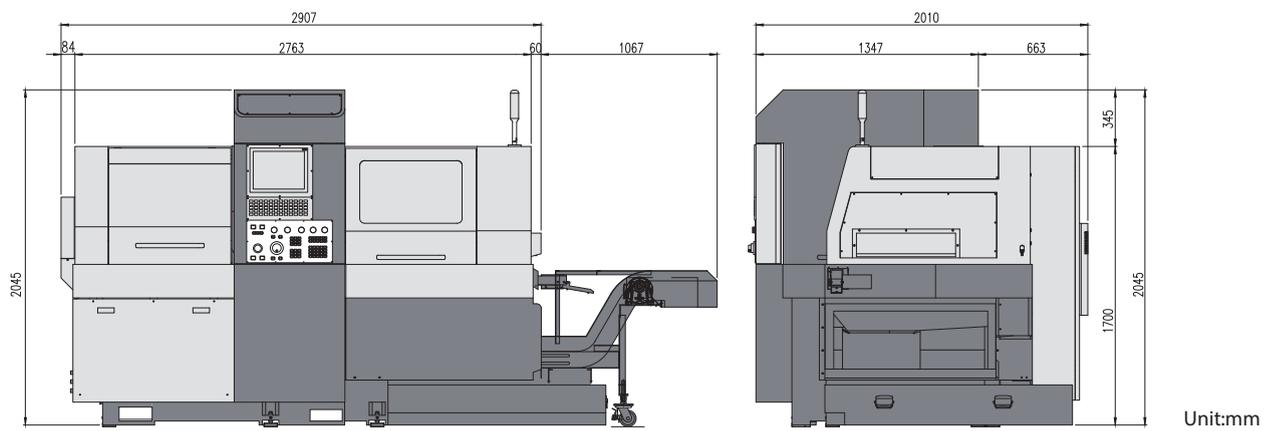


SY3-38BR

Three channels operate independently
Double-gang tool post structure
Removable Rotary Guide Bush

- Triple-System operation allows simultaneous front and back machining for fast, efficient processing of complex workpieces.
- SY3-38BR offers the option to operate with or without a guide bush, allowing users to achieve optimum machining conditions.
- 0-90°B Axis any angle Positioning cutting.
- Thermal compensation ensures stable performance and accurate positioning over extended periods of continuous operation.
- Built-in spindles with 3.7 kW motors and C-axis positioning allow speeds up to 8000 rpm.
- Spindle with 5+3 pcs □16/□20 mm tools for both roughing and finishing.
- Sub spindle can install 4 Radial Live tools, 4 Axial Live tools, and 2 deep drilling Tools.





Unit:mm

Model		SY3-38BR	
Control Unit	Controller	SYNTEC	MITSUBISHI
Axis Travel	X1 / Y1 / Z1 Axis Travel (Activity guide bush)	75 / 367 / 310 (With) mm 75 / 367 / 80 (Without) mm	75 / 367 / 310 (With) mm 75 / 367 / 80 (Without) mm
	X1 / Y1 / Z1 Axis Motor	1.1 / 1.7 / 1.1 kw	1.0 / 1.5 / 1.0 kw
	X1 / Y1 / Z1 Axis Rapid travel speed	5 / 30 / 30 m/min	5 / 30 / 30 m/min
	X2 / Y2 / Z2 Axis Travel	383 / 160 / 380 mm	383 / 160 / 380 mm
	X2 / Y2 / Z2 Axis Motor	1.1 / 1.7 / 1.1 kw	1.0 / 1.5 / 1.0 kw
	X2 / Y2 / Z2 Axis Rapid travel speed	30 m/min	30 m/min
	X3 / Y3 / Z3 Axis Travel	75 / 374 / 40 mm	75 / 374 / 40 mm
	X3 / Y3 / Z3 Axis Motor	1.1 / 1.7 / 1.1 kw	1.0 / 1.5 / 1.0 kw
X3 / Y3 / Z3 Axis Rapid travel speed	5 / 30 / 5 m/min	5 / 30 / 5 m/min	
Spindle	Max. Turning Dia. (Activity guide bush)	Ø32(With) / Ø38(Without) mm	Ø32(With) / Ø38(Without) mm
	Max. Turning Length (Activity guide bush)	300(With) / 80(Without) mm	300(With) / 80(Without) mm
	Max. Spindle Speed	8000 rpm	8000 rpm
	Center Height	1082	1082
	Spindle Collet (Activity guide bush)	TD-32(With) / TRB-42(Without)	TD-32(With) / TRB-42(Without)
	Spindle Servo Motor	3.7 kw	3.7 kw
	C-Axis Index Positioning	0.001°	0.001°
	No. of O.D Tools /Size	5 (□16*4, □20*1)+3*□16	5 (□16*4, □20*1)+3*□16
	No. of I.D Tools	4 pcs	4 pcs
No. of I.D Size	Ø22	Ø22	
Spindle Live Tooling	No. of Radial Live Tools/Size	3 (ER20*1,ER-16*2) 2 (ER20*1,ER-16*1)	3 (ER20*1,ER16*2) 2 (ER20*1,ER16*1)
	Spindle Live Tooling Motor	2.5 kw	2.2 kw
	Max. Speed	6000 rpm	6000 rpm
	(OP) B-axis Tooling / Size	ER16*4 + ER11*4	ER16*4 + ER11*4
	(OP) B-axi Tooling Motor	1.5 kw	1.5 kw
	(OP) B-axis Max. Speed	6000 rpm	6000 rpm
Sub Spindle	Max. Turning Dia.	Ø38	Ø38
	Max. Sub spindle Speed	8000 rpm	8000 rpm
	Spindle Collet	TRB-42	TRB-42
	Sub spindle servo motor	3.7 kw	3.7 kw
	C-Axis Index Positioning	0.001°	0.001°
	No. of I.D Tools	4	4
Sub Spindle Live Tooling	No. of Sub Spindle Deep Drilling Tool Holder	2 pcs	2 pcs
	No. of Sub Spindle Deep Drilling Tool Size	Ø22	Ø22
	No. of Axial Tools	4 pcs	4 pcs
	No. of Axial Size	ER-16	ER-16
	No. of Radial Live Tool	4 pcs	4 pcs
	No. of Radial Live Size	ER-16	ER-16
	Sub Spindle Live Tooling Motor	2.5 kw	2.2 kw
	Max. Speed	6000 rpm	6000 rpm
Hydraulic	Hydraulic Motor	1HP / 0.75 kw	1HP / 0.75 kw
	Hydraulic Tank	20L	20L
Coolant pump	Spindle Upper Flush Pump	1.6HP / 1.24 kw	1.6HP / 1.24 kw
	Tool Coolant Pump	1.6HP / 1.24 kw	1.6HP / 1.24 kw
	Main / Sub Spindle Cooling	Oil-cooling	Oil-cooling
Machine	Voltage stabilizer / Transformer	40 KVA	40 KVA
	Machine Size (LxWxH)	3974x2010x2045 mm	3974x2010x2045 mm
	Machine N.W. (includes chip conveyor)	5300 kg	5300 kg