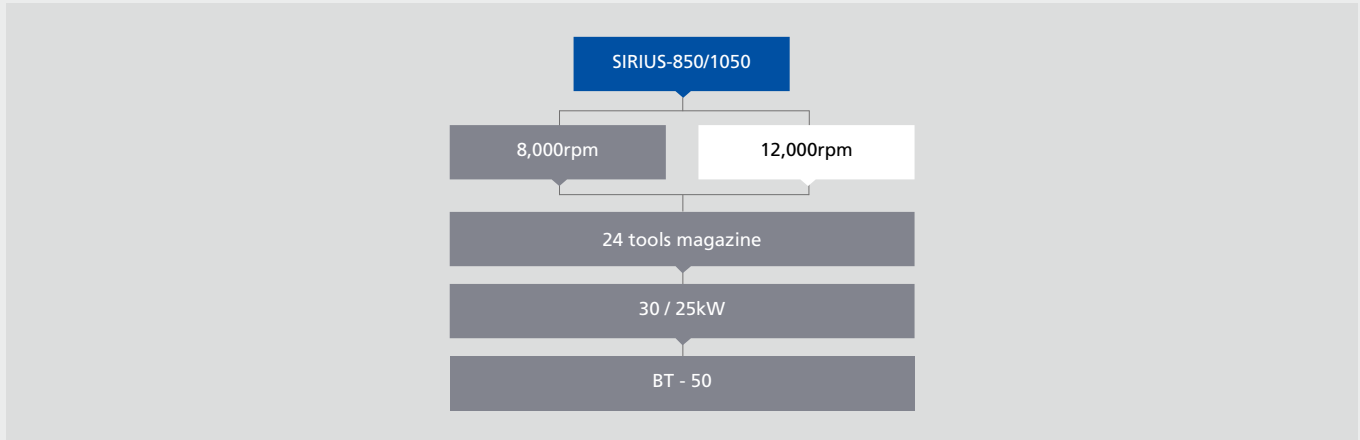


## Product Configuration

Each product can be configured to fit your application.



## Machine Specifications

ITEM	SIRIUS-850		SIRIUS-1050	
	8,000	12,000	8,000	12,000
<b>Travel</b>				
Stroke (X / Y / Z)	mm(inch) 2,000 (78.74") / 850 (33.47") / 750 (29.53")		2,500 (98.43") / 1,050 (41.34") / 850 (33.47")	
Distance from Table Surface To Spindle Gauge Plane	mm(inch) 200 (7.87") ~ 950 (37.40")		200 (7.87") ~ 1,050 (41.34")	
Distance between Columns to Spindle Center	mm(inch) 900 (35.43")		1,090 (42.91")	
<b>Table</b>				
Working Surface	mm(inch) 2,150 (84.65") x 850 (33.47")		2,800 (110.24") x 1,050 (41.34")	
Table Loading Capacity	kg <sub>r</sub> (lb <sub>r</sub> ) 4,000 (8,818)		5,000 (11,023)	
Table Surface Configuration (T slots WxP – No. of slots)	mm(inch) 22 (0.87") x 125 (4.92") - 6ea		22 (0.87") x 150 (5.91") - 7ea	
<b>Spindle</b>				
Max.Spindle Speed	rpm 8,000	12,000	8,000	12,000
Spindle Motor	kW(HP) 30 (40) / 25 (34)			
Type of Spindle Taper Hole	-		ISO#50, 7 / 24 Taper (BT-50)	
Spindle Bearing Inner Diameter	mm(inch) Ø100 (Ø3.94")			
Method of Spindle Lubrication & Cooling	-		Oil-Jet Lub. + Jacket Cooling	
<b>Feedrate</b>				
Rapid Speed (X / Y / Z)	m/min(ipm) 16 (630) / 16 (630) / 16 (630)		20 (787) / 20 (787) / 16 (630)	
Feedrate (X / Y / Z)	mm/min(ipm) 1 (0.04) ~ 10,000 (394)		1 (0.04) ~ 8,000 (315)	
<b>ATC</b>				
Type of Tool Shank	-		BT-50 (Opt.:BBT-50, CAT-50)	
Type of Pull Stud	-		90°Type	
Tool Storage Capacity	24		24	
Max. Tool Diameter [With / Without Adjacent Tools]	ea	Ø110 (4.33") / Ø200 (7.87")		Ø100 (3.94") / Ø200 (7.87")
Max. Tool Length	mm(inch)	350 (13.78")		350 (13.78")
Max. Tool Weight	mm(inch)	20 (44.09")		20 (44.09")
Method of Tool Selection	kg <sub>r</sub> (lb <sub>r</sub> )	Memory random		Memory random
Method of Operation (Magazine / Swing Arm)	-	Geared Motor / Geared Motor		Geared Motor / Geared Motor
<b>Motor</b>				
Feed Motor (X / Y / Z)	kW(HP)	4.0 (5.4) / 4.0 (5.4) / 7.0 (9.4)		6.0 (8.0) / 9.0 (12.1) / 9.0 (12.1)
Coolant Motor (Spindle / Chip Flushing)	kW(HP)	0.4 (0.54) / 0.9 (1.21)		0.4 (0.54) / 0.9 (1.21)
<b>Power Source</b>				
Electric Power Supply	kVA	75		75
Compressed Air Supply (Pressure x Consumption)	-	0.5 ~ 0.7MPa x 1,870N ℓ/min		0.5 ~ 0.7MPa x 1,870N ℓ/min
<b>Tank Capacity</b>				
Spindle Cooling / Lubrication	ℓ (gal)	60 (15.85) / 12 (3.17)		60 (15.85) / [X,Y Axis] 12 (3.17), [Z Axis] 4 (1.06)
Coolant	ℓ (gal)	1,020 (270)		1,250 (330.22)
<b>Machine Size</b>				
Height	mm(inch)	3,670 (144.49")		3,750 (147.64")
Floor Space (Length x Width)	mm(inch)	5,730 (225.59") x 4,670 (183.86")		6,630 (261.02") x 4,730 (186.22")
Weight	kg <sub>r</sub> (lb <sub>r</sub> )	27,850 (61,399)		31,700 (69,887)
NC Controller	Fanuc 31i-B			