

	Item		MULTUS B550			
			C × 2000	C × 3000	W × 2000	W × 3000
Capacity	Swing over saddle	mm (in.)	ø830 (32.68)			
	Distance between centers (C), distance between noses (W)	mm (in.)	2,000 (78.74)	3,000 (118.11)	2,544 (100.16)	3,544 (139.53)
	Max machining dia	mm (in.)	ø830 (32.68)			
Travels	X axis	mm (in.)	925 (36.42)			
	Z axis	mm (in.)	2,215 (87.20)	3,215 (126.57)	2,215 (87.20)	3,215 (126.57)
	Y axis	mm (in.)	520 (±260) (20.47 (±10.24))			
	W axis	mm (in.)	-		2,100 (82.68)	3,100 (122.05)
	C axis	degree	360 (Min controlled angle 0.001)			
	B axis indexing angle	degree	-30 to +210 (Min controlled angle 0.001)			
Spindle	Spindle speed	min ⁻¹	30 to 3,000 [12 to 2,400]			
	Speed ranges		2 auto ranges (2-step motor coil switching) [4 auto ranges (4 speed gear)]			
	Spindle nose		JIS A2-11			
	Tapered bore / Bearing dia	mm (in.)	ø112/ø160 [ø130/ø180] (ø4.41/6.3 [ø5.12/ø7.09])			
Opposing spindle	Spindle speed	min ⁻¹	-		30 to 3,000 [12 to 2,400]	
	Speed ranges		-		2 auto ranges (2-step motor coil switching) [4 auto ranges (4 speed gear)]	
	Spindle nose		-		JIS A2-11	
	Tapered bore / Bearing dia	mm (in.)	-		ø112/ø160 [ø130/ø180] (ø4.41/ø6.3 [ø5.12/ø7.09])	
Turret	Type		H1			
	No. of tools		1 for both L and M			
	Tool shank dimensions / ID tool shank diameter	mm (in.)	□25/ø50 (□0.98/ø1.97)			
	Speed range	min ⁻¹	40 to 10,000			
	Milling tool speed range		2 auto ranges (2-step motor coil switching)			
	Milling tool spindle torque	N-m	321/260/191 (3 min/30 min/cont)			
	Feedrates	Rapid traverse X, Z, Y axis	m/min	X, Z, Y: 40		
Rapid traverse W axis		m/min	-		20	15
Rapid traverse C, B axis		min ⁻¹	C: 200, B: 30			
Tailstock	Quill diameter	mm (in.)	ø130 (5.12)		-	
	Center taper		MT No. 5 (Built-in)		-	
	Quill travel	mm (in.)	250 (9.84)		-	
ATC	Tool shank / Pull stud		HSK-A100 [CAPTO C8, BT50/P50T II]			
	No. of tools	tool	40 [80, 160]			
	Max tool dia	mm (in.)	ø130 (5.12) (w/o adjacent tools: ø260 (10.24))			
	Max tool length	mm (in.)	600 (23.62) (from the gauge line)			
	Max tool weight	kg (lb)	30 (66)			
Motors	Spindle motors	kW (hp)	37/30 (50/40) (30 min/cont)		Main/opposing: 37/30 (50/40) (30 min/cont)	
	Milling tool spindle	kW (hp)	37/30/22 (50/40/30) (3 min/30 min/cont)			
	X, Z, Y, B axis	kW (hp)	X: 5.2 × 2, Z: 5.2, Y: 5.1, B: 4.6 (X: 7 × 2, Z: 7, Y: 7, B: 6)			
	W axis	kW (hp)	-		4.2 (5.6)	
	Coolant motor (50/60 Hz)	kW (hp)	0.25/0.25 × 1, 0.55/0.75 × 4 (0.3/0.3 × 1, 0.7/1 × 4)			
Machine size	Height	mm (in.)	3,307 (130.20)			
	Floor space (tank included)	mm × mm (in.)	8,030 × 3,258 (316.14 × 0.13)	9,130 × 3,258 (359.45 × 128.27)	8,430 × 3,758* (331.89 × 147.95)	9,730 × 3,758* (383.07 × 147.95)
	Weight (with CNC)	kg (lb)	29,500 (64,900)	33,000 (72,600)	31,000 (68,200)	34,000 (74,800)
CNC						OSP-P300SA

*Depth includes opposing spindle cooler []: Optional