

GENOS-L Series



			GENOS L250		GENOS L200-M				GENOS L400		GENOS L300-M						
CAPACITY	ITEM	UNIT	L250	L250E	L200-M	L200E-M	L200-MY	L200E-MY	L400	L400E	L300-M	L300E-M	L300-MY	L300E-MY	L300-MW	L300-MYW	
	Swing over bed	mm (in.)	ø450 (17.72)								ø520 (20.47)						
	Swing over saddle	mm (in.)	ø300 (11.81)								ø300 (11.81)		ø370 (14.57)		ø230 (9.06)		ø170 (6.69)
	Max turning dia	mm (in.)	ø280 [ø210] (11.02 [8.27])		ø200 (7.87)				ø390 [ø310] (15.35 [12.20])	ø410 [ø330] (16.14 [12.29])			ø300 (11.81)				
	Max work length	mm (in.)	290 (11.42)	500 (19.69)	225 (8.86)	380 (14.96)	225 (8.86)	380 (14.96)	500 (19.69)	1,100 (43.31)	450 (17.72)	1,060 (41.73)	450 (17.72)	1,050 (41.34)	150 (5.91)		
TRAVELS	X axis	mm (in.)	160 (20×140) (6.3 (0.79×5.51))		165 (65×100) (6.5 (2.56×3.94))				220 (195×25)*1	230 (205×25)*2	235 (210×25)*3	235 (150×85)*4	235 (230×5) (9.25 (9.06×0.2))		230 (195×30)*5	235 (230×30)*6	
	Z axis	mm (in.)	330 (12.99)	520 [470] (20.47 [18.5])	245 (9.65)	400 (15.75)	245 (9.65)	400 (15.75)	520 (20.47)	1,144 (45.04)	520 (20.47)	1,144 (45.04)	450 (17.72)	1,050 (41.34)	460 (18.11)	450 (17.72)	
	Y axis	mm (in.)	---		80 (×30~50) (3.15 (×1.81~1.97))				---		---		100 (×50~50) (3.94 (×1.97~1.97))		---	100 (×50~50) (3.94 (×1.97~1.97))	
	W axis	mm (in.)	---		---				---		---		---		520 (20.47)		
	C axis		---		360° (0.001° increments)				---		---		360° (0.001° increments)				
SPINDLE	Spindle speed		75~3,000 [79~4,500]								25~3,000						
	Speed ranges		Infinitely variable								Infinitely variable x 2 auto ranges (coil switching)						
	Spindle nose		JIS A2-6								JIS A2-8						
	Spindle bore dia	mm (in.)	ø66 (2.6)								ø80 (3.15)						
	Front bearing dia	mm (in.)	ø100 (3.94)								ø120 (4.72)						
SUB-SPINDLE	Spindle speed		---								---				133~6,000		
	Speed ranges		---								---				Infinitely variable		
	Spindle nose		---								---				ø140 flat		
	Spindle bore dia	mm (in.)	---								---				ø53 (2.09)		
	Front bearing dia	mm (in.)	---								---				ø80 (3.15)		
TURRET	Type		v8 [12] Turret		V12 M-turret				v8 [12] Turret		V12 M-turret						
	No. of tools		8 [12]		12				8 [12]		12						
	OD tool shank	mm (in.)	25 (1)		20 (3/4)						25 (1)						
	ID tool shank dia	mm (in.)	ø40 [ø32] (ø1-1/2 [ø1-1/4])		ø32 (ø1-1/4)						ø40 (ø1-1/2)						
	Turret indexing time	sec	0.3		0.1				0.3		0.1		0.2		0.3		
MILLING	Spindle speed		---		6,000 (standard radial mill/drill holder: 5,000)				---		4,500						
	Speed range		---		Infinitely variable				---		Infinitely variable						
FEEDRATES	Rapid traverse (X, Z)		X: 20, Z: 25 (X: 787, Z: 984)				X: 20, Z: 25 (X: 787, Z: 984)		X/Z: 20 (787)	X: 20, Z: 25 (X: 787, Z: 984)	X/Z: 20 (787)	X: 20, Z: 25 (X: 787, Z: 984)	X/Z: 20 (787)	X: 20, Z: 25 (X: 787, Z: 984)			
	Rapid traverse (Y)		---		Y: 10 (394)				---		Y: 10 (394)		Y: 10 (394)		---	Y: 10 (394)	
	Rapid traverse (W)		---						---		---		W: 25 (984)				
	Rapid traverse (C)		---		C: 200				---				C: 200				
	Feedrate (X, Z, Y)	mm/rev	0.001~1,000.000								0.001~1,000.000						
TAILSTOCK	Tailstock quill diameter	mm (in.)	ø55 (2.17)	ø90 (3.54)	---	ø90 (3.54)	---	ø90 (3.54)	ø90 (3.54)						---		
	Tapered bore type		MT 4 (revolving center)	MT 5 (revolving center)	---	MT 5 (revolving center)	---	MT 5 (revolving center)	MT 4 (built-in center)	MT 5 (revolving center)	MT 4 (built-in center)	MT 5 (revolving center)	MT 4 (built-in center)	---			
	Quill travel	mm (in.)	80 (3.15)	100 (3.94)	---	100 (3.94)	---	100 (3.94)	100						---		
MOTORS	Main spindle (30 min/cont)	kW (hp)	VAC 7.5/5.5 (10/7.5)								VAC 11/7.5 (15/10) [VAC 15/11 (20/15)]						
	Sub-spindle (30 min/cont)	kW (hp)	---		PREX 4.0/1.8 (25 min/cont)				---		---		VAC 7.5/5.5 (10/7.5)				
	Milling tool spindle	kW	---		PREX 4.0/1.8 (25 min/cont)				---		---		PREX 7.0/3.3 (30 min/cont)				
	Axis drive (X)	kW (hp)	2.5 (3.3)		3 (4)		3 (4)		2.5 (3.3)		4 (5.3)		2.5 (3.3)		4 (5.3)		
	Axis drive (Z)	kW (hp)	2.7 (3.6)		3 (4)		3 (4)		3.8 (5.1)		6 (8)		3.8 (5.1)		6 (8)		
	Axis drive (Ys)	kW (hp)	---		3 (4)		3 (4)		---		4 (5.3)		---		4 (5.3)		
	Axis drive (W)	kW (hp)	---						---		---		2 (2.7)				
	Coolant pump motors	kW (hp)					0.25 (0.3)										
SIZE	Height	mm (in.)	1,624 (63.94)	1,569 (61.77)	1,624 (63.94)	1,569 (61.77)	2,040 (80.31)	2,040 (80.31)	1,740 (68.5)	1,934 (76.14)	1,740 (68.5)	1,934 (76.14)	2,210 (87.01)	2,395 (94.29)	1,852 (72.91)	2,210 (87.01)	
	Floor space	mm (in.)	1,652 × 1,592 (65.04 × 62.68)	2,075 × 1,550 (81.69 × 61.02)	1,752 × 1,592 (68.98 × 62.68)	2,075 × 1,550 (81.69 × 61.02)	1,752 × 1,592 (68.98 × 62.68)	2,075 × 1,710 (81.69 × 67.32)	2,280 × 1,800 [2,550 × 1,800] (89.76 × 70.87) [100.39 × 70.87]	3,537 × 2,155 (139.25 × 84.84)	2,280 × 1,800 [2,550 × 1,800] (89.76 × 70.87) [100.39 × 70.87]	3,537 × 2,155 (139.25 × 84.84)	2,280 × 2,175 [2,550 × 2,175] (89.76 × 85.63) [100.39 × 85.63]	3,537 × 2,393 (139.25 × 94.21)	3,031 × 1,856 [3,300 × 1,856] (119.33 × 73.07) [129.92 × 73.07]	3,031 × 2,173 [3,300 × 2,173] (119.33 × 85.55) [129.92 × 85.55]	
	Weight (w/ CNC)	kg (lb)	2,800 (6,160)	3,800 (8,360)	2,800 (6,160)	3,800 (8,360)	3,700 (8,140)	4,600 (10,120)	3,900 [4,000] (8,580 [8,800])	6,500 (14,300)	4,000 [4,100] (8,800 [9,020])	6,600 (14,520)	4,900 [5,000] (10,780 [11,000])	7,500 (16,500)	5,300 [5,400] (11,660 [11,880])	6,200 [6,300] (13,640 [13,860])	
CNC			OSP-P200L														

*1 (8.66 (7.68+0.98)) *2 (9.06 (8.07+0.98)) *3 (9.25 (8.27+0.98)) *4 (9.25 (5.91+3.35)) *5 (9.06 (7.68+1.18)) *6 (9.25 (9.06+1.18)) [] : Optional Specifications