



ISO 14001



ISO 9001



LH-500

Horizontal Machining Center




Combittech

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Machine specification

Model	unit	LH - 500A	LH - 500B
Traverse			
Traverse X/Y/Z	mm (inch)	700 / 650 / 650 (27.6 / 25.6 / 25.6)	700 / 650 / 650 (27.6 / 25.6 / 25.6)
Spindle center to pallet	mm (inch)	50-700 (1.97-27.5)	50-700 (1.97-27.5)
Spindle nose to pallet center	mm (inch)	150-800 (5.9-31.5)	150-800 (5.9-31.5)
Pallet			
Pallet size	mm (inch)	500 x 500 (19.7 x 1 9.7)	500 x 500 (19.7 x 19.7)
Maximum pallet capacity	kg (lb)	500 (1100)	500 (1100)
Pallet surface configuration	mm (inch)	24-M16 tapped holes,Pitch 100	
Pallet indexing		1°	1°
Maximum workpiece size	mm (inch)	Φ700 (27.6)	Φ700 (27.6)
Maximum workpiece height	mm (inch)	800 (31.5)	800 (31.5)
Spindle			
Spindle taper		7 / 24 Taper, No. 40	7 / 24 Taper, No. 50
Spindle speed	RPM	10000	6000
High / Low speed conversion	RPM	2000	1200
Maximum torque	N - m	95	141
Spindle bearing inner dia.	mm (inch)	72 (2.76)	100 (3.94)
Drive			
Rapid speed X/Y/Z	mm / min (fpm)	36000 (118)	36000 (118)
Cutting feederate	mm / min (ipm)	1-10000 (0.04 -394)	1-10000 (0.04 -394)
Jog feederate	mm / min (ipm)	1260 (50)	1260 (50)
Automatic tool changer (ATC)			
Tool shank		ISO-40 / BT-40	ISO-50 / BT-50
Magazine stations		60	40
Maximum tool dia. / No adjacent tool	mm (inch)	100 / 150 (3.94 / 5.9)	120 / 230 (4.7 / 9.1)
Maximum tool length	mm (inch)	350 (13.8)	350 (13.8)
Maximum tool weight	kg(lb)	7 (15.4)	15 (33)
Tool selection		Fixed address	Fixed address
Automatic pallet changer (APC)			
Pallet No.		2	2
Pallet exchange type		Rotary	Rotary
Controller			
FANUC		FANUC 18i	FANUC 18i
Motor			
Spindle motor	KW(HP)	15 / 18.5 (20 / 25)	15 / 18.5 (20 / 25)
Axes motor X/Y/Z/B	KW	5 / 5 / 4 / 1.6	5 / 5 / 4 / 1.6
Hydraulic motor	KW	2.2	2.2
Coolant motor	KW	1.6	1.6
Power			
Power requirement	KVA	42	42
Tank capacity			
Hydraulic system	L	60	60
Oil lubrication system	L	4	4
Coolant system	L	760	760
Machine size			
Height	mm(inch)	2970 (117)	2970 (117)
Floor space	mm(inch)	3210 x 5200 x (127 x 205)	3210 x 5200 x (127 x 205)
Weight	kg(lb)	15000 (33000)	15000 (33000)