

HSL400 / HSL500



Horizontal Machining Center

The Next Generation High Efficiency
Horizontal Center for High Productivity

- All axes adopted Linear Roller Guide
- The fastest Built-In Table in its class (Option)
- The biggest maximum load 600kg(1,323lb) on a table in its class
- The best suitable for line build because of compact machine design

			HSL400	HSL500
Table Size (length x width)		mm [in]	400 × 400 [15.8x15.8]	500 × 500 [19.7x19.7]
Table Load		kgf [lbs]	500 [1,102]	600 [1,323]
Travel	X	mm [in]	620 [24.4]	660 [26]
	Y		560 [22.1]	560 [22.1]
	Z		650 [25.6]	750 [29.5]
Spindle Taper		mm [in]	BBT#40/HSK-A63	HSK-A63
Spindle Speed	STD	rpm	15,000	15,000
	OPT			
Spindle Power	STD	kw [hp]	22/18.5 [29.5/24.8]	26 [34.9]
	OPT			
Rapid Traverse	X,Y axis	m/min [ipm]	50 [1,969]	50 [1,969]
	Z axis		50 [1,969]	50 [1,969]
Tool Storage Capacity	STD	EA	20	20
	OPT		40	

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

www.Hyundai-KiaMachine.com



HSL400 / HSL500

Specification

ITEM			HSL400	HSL500	
TABLE	Size (length x width)		400 x 400 [15.8 x 15.8]	500 x 500 [19.7 x 19.7]	
	Max. load on table		500 [1,102]	600 [1,323]	
	Max. work size		Ø800xH620 [Ø31.5 x H24.4]	Ø800xH720 [Ø31.5 x H28.4]	
	Table type			Tap Hole	
	Min. indexing angle	STD	degree	1	1
OPT		0.001		0.001	
TRAVEL	Table longitudinal	X	620 [24.4]	660 [26]	
	Table cross	Y	560 [22.1]	560 [22.1]	
	Spindle head verticle	Z	650 [25.6]	750 [29.5]	
	Distance between spindle center to table top		mm [in]	50~610 [2.0~24.0]	50~610 [2.0~24.0]
	Distance between table center to spindle nose			150~800 [5.9~31.5]	150~900 [5.9~35.4]
SPINDLE	Taper		BBT#40/HSK-A63	HSK-A63	
	Speed	STD	rpm	15,000	15,000
		OPT			
	Power	STD	kw [hp]	22/18.5 [29.5/24.8]	26 [34.9]
		OPT			
Torque	STD	kgf-m [ft-lbs]	12 [86.8]	10.6 [76.7]	
	OPT				
Spindle drive	STD		BUILT-IN	BUILT-IN	
	OPT				
FEED	Rapid	X,Y axis	50 [1,969]	50 [1,969]	
		Z axis	50 [1,969]	50 [1,969]	
	Cutting feed rate		m/min [ipm]	50 [1,969]	40 [1,575]
ATC	Type		twin arm	twin arm	
	Tool storage capacity	STD	EA	20	20
		OPT			40
	Max. tool diameter		mm [in]	95 [3.7]	95 [3.7]
	Max. tool diameter (without adjacent tool)			160 [6.3]	160 [6.3]
	Max. tool length		300 [11.8]	300 [11.8]	
	Max. tool weight		kgf [lbs]	10 [22]	10 [22]
Tool selection type			Fixed address	Fixed address	
Tool change time	tool to tool chip to chip	sec.	1.0	1.5	
			4.0	4.0	
APC	Pallet change type		N/A	N/A	
	Pallet change time				
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	26/26 [34.9/34.9]	
	Feed	X / Y	5.5/5.5 [7.4/7.4]	8.5/8.5 [11.4/11.4]	
		Z / B	5.5/10.4 [7.4/13.9]	8.5/7.5 [11.4/10]	
	Coolant				
Coolant through spingle (Option)			30 bar 70 bar	30 bar 70 bar	
Rigid tapping			STD	STD	
Electric capacity			kVA	60	65
Floor space			mm [in]	1,922 x 4,100 [75.7 x 161.4]	2,490 x 4,850 [98 x 191]
Slide way				Roller guide	Roller guide
Machine weight			kgf [lbs]	9,500 [20,944]	11,000 [24,250]
Controller			STD	FANUC 18iMB	SIEMENS 840D
			OPT		

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