

HS5000



Horizontal Machining Center

Revolution of Productivity, Next Generation, High Performance, High Efficiency Horizontal Machining Center

- Adopt Roller Guide for each axes
- Double Winding Powerful Spindle Motor
- The heaviest maximum bad in its class, 500 kg (1,102 lb)
- Big plus Spindle (BT Tool Common) HS400 [Standard figure]
- HSK-A63 Spindle HS500 [Standard figure]

HS5000			
Table Size (length x width)		mm [in]	500 x 500 [19.7X19.7]
Table Load		kgf [lbs]	500 [1,102]
Travel	X	mm [in]	800 [31.5]
	Y		700 [27.6]
	Z		750 [29.5]
Spindle Taper		mm [in]	HSK-A63
Spindle Speed	STD	rpm	15,000
	OPT		24,000
Spindle Power	STD	kw [hp]	26 [34.9]
	OPT		
Rapid Traverse	X,Y axis	m/min [ipm]	80 [3,150]
	Z axis		80 [3,150]
Tool Storage Capacity	STD	EA	40
	OPT		60,90

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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HS5000

Specification

ITEM			HS5000		
TABLE	Size (length x width)		mm [in]	500 x 500 [19.7 x 19.7]	
	Max. load on table		kgf [lbs]	500 [1,102]	
	Max. work size		mm [in]	2-Ø760xH850 [Ø31.5 x H33.5]	
	Table type			Tap Hole	
	Min. indexing angle	STD	degree	1	
OPT		0.001			
TRAVEL	Table longitudinal	X	mm [in]	800 [31.5]	
	Table cross	Y		700 [27.6]	
	Spindle head verticle	Z		750 [29.5]	
	Distance between spindle center to table top				50~750 [2.0~29.5]
	Distance between table center to spindle nose				150~900 [5.9~35.4]
SPINDLE	Taper			HSK-A63	
	Speed	STD	rpm	15,000	
		OPT		24,000	
	Power	STD	kw [hp]	26 [34.9]	
		OPT			
	Torque	STD	kgf-m [ft-lbs]	11.5 [83.2]	
OPT					
Spindle drive		STD		BUILT-IN	
FEED	Rapid	X,Y axis	m/min [ipm]	80 [3,150]	
		Z axis		80 [3,150]	
	Cutting feed rate			40 [1,575]	
ATC	Type			twin arm	
	Tool storage capacity	STD	EA	40	
		OPT		60, 90	
	Max. tool diameter			95 [3.7]	
	Max. tool diameter (without adjacent tool)		mm [in]	160 [6.3]	
	Max. tool length			400 [15.8]	
	Max. tool weight		kgf [lbs]	10 [22]	
	Tool selection type			Fixed address	
Tool change time	tool to tool		sec.	1.5	
	chip to chip			4.0	
APC	Pallet change type			Direct Turn	
	Pallet change time		sec.	9.5	
MOTOR	Spindle	Main	kw [hp]	26/26 [34.9/34.9]	
	Feed	X / Y		22/22 [29.5/29.5]	
		Z / B		22/7.5 [29.5/10]	
	Coolant				
Coolant through spingle (Option)				30 bar 70 bar	
Rigid tapping				STD	
Electric capacity			kVA	100	
Floor space			mm [in]	3,100 x 5,100 [122 x 200-8]	
Slide way				Roller guide	
Machine weight			kgf [lbs]	15,000 [33,069]	
Controller			STD	SIEMENS 840D	
			OPT		

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