

HS630 / HS800



Horizontal Machining Center

High-productivity & performed
Horizontal Machining Center

- Adopted Linear Rolle Guide at each Axis
- Adopted 2steps Gear driven Type for Heavy duty Cutting
- The Heaviest load Capacity on the table, 1,200kg
- Adopted BIG PLUS Spindle as a standard (BT/CAT Tool are public use)

			HS630	HS800
Table Size (length x width)		mm [in]	630 x 630 [24.8 x 24.8]	800 x 800 [31.5 x 31.5]
Table Load		kgf [lbs]	1,200 [2,646]	1,600 [3,527]
Travel	X		1,050 [41.3]	1,050 [41.3]
	Y	mm [in]	875 [34.4]	875 [34.4]
	Z		875 [34.4]	875 [34.4]
Spindle Taper		mm [in]	BBT#50	BBT#50
Spindle Speed	STD	rpm	8,000	8,000
	OPT		12,000	
Spindle Power	STD	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]
	OPT		30/25 [40.2/33.5]	
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	40	40
	OPT		60, 90, 120	60, 90, 120

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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HS630 / HS800

Specification

ITEM			HS630	HS800		
TABLE	Size (length x width)		630 x 630 [24.8 x 24.8]	800 x 800 [31.5 x 31.5]		
	Max. load on table		1,200 [2,646]	1,600 [3,527]		
	Max. work size		2-Ø930xH1,000 [Ø36.6 x H39.4]	2-Ø1,200xH1,100 [Ø47.2 x H43.3]		
	Table type		Tap Hole	Tap Hole		
	Min. indexing angle	STD	degree	1	1	
OPT		0.001		0.001		
TRAVEL	Table longitudinal	X	mm [in]	1,050 [41.3]	1,050 [41.3]	
	Table cross	Y		875 [34.4]	875 [34.4]	
	Spindle head verticle	Z		875 [34.4]	875 [34.4]	
	Distance between spindle center to table top				100~975 [3.9~38.4]	80~975 [3.2~38.4]
	Distance between table center to spindle nose				150~1,025 [5.9~40.4]	210~1,025 [8.3~40.4]
SPINDLE	Taper			BBT#50	BBT#50	
	Speed	STD	rpm	8,000	8,000	
		OPT		12,000		
	Power	STD	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		OPT		30/25 [40.2/33.5]		
	Torque	STD	kgf-m [ft-lbs]	79.6 [575.7]	79.6 [575.7]	
OPT		42.9 [310.3]				
Spindle drive	STD		2 step geared	2 step geared		
	OPT		BUILT-IN			
FEED	Rapid	X,Y axis	m/min [ipm]	50 [1,969]	50 [1,969]	
		Z axis		50 [1,969]	50 [1,969]	
	Cutting feed rate				50 [1,969]	50 [1,969]
ATC	Type			twin arm	twin arm	
	Tool storage capacity	STD	EA	40	40	
		OPT		60, 90, 120	60, 90, 120	
	Max. tool diameter			125 [4.9]	125 [4.9]	
	Max. tool diameter (without adjacent tool)			245 [9.6]	245 [9.6]	
	Max. tool length			500 [19.7]	500 [19.7]	
	Max. tool weight			15 [33.1]	25 [55.1]	
	Tool selection type			Fixed address	Fixed address	
Tool change time	tool to tool		sec.	3.0	3.0	
	chip to chip			7.0	7.0	
APC	Pallet change type			Direct Turn	Direct turn	
	Pallet change time		sec.	12.0	20.0	
MOTOR	Spindle	Main	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
	Feed	X / Y		7/6 [9.4/8]	7/6 [9.4/8]	
		Z / B		7/1.6 [9.4/2.1]	7/3 [9.4/4]	
	Coolant					
Coolant through spigle (Option)				30 bar	30 bar	
Rigid tapping				70 bar	70 bar	
Electric capacity			STD	53	53	
Floor space				3,975 x 5,915 [156.5 x 232.9]	4,050 x 6,050 [159.4 x 238.2]	
Slide way				Roller guide	Roller guide	
Machine weight				23,000 [50,706]	25,000 [55,115]	
Controller			STD	FANUC 18iMB	FANUC 18iMB	
			OPT			

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