

**Hyundai Wia HS4000/i/M
Vs. DMG MORI NH 4000**

Description / Model	DMG MORI NH 4000	HYUNDAI WIA HS4000/i/M	
No. of Pallet	2	2	
Pallet Size	15.7"×15.7"	15.7"×15.7"	
Pallet Maximum Load Capacity	882 lbs	1102 lbs	<i>Hyundai Wia has higher table load capacity!</i>
Maximum Working Size	Ø24.8" X H35.4"	Ø24.4"×H33.1"	
Range from Spindle Nose to Table Center	<u>3.9" ~ 28.7"</u>	5.9" ~ 31.5"	<i>Hyundai Wia has a larger throw (25.1") allowing greater part clearance from tool. While the NH 4000 has a higher part clearance while Hyundai can get closer to the table surface with the tool.</i>
Range from Spindle Center to Table Top	<u>3.1" ~ 25.1"</u>	2.0" ~ 24.0"	
Spindle Taper	BIG PLUS #40 [HSK-A63]	BIG PLUS #40 [HSK-A63]	
Spindle Bearing Diameter	70mm	75mm	<i>Hyundai Wia has larger bearings in spindle</i>
Spindle RPM	14000 [20,000]	12,000 [15,000]	
Spindle Motor Output (Max./Cont.)	25/15	33.5 / 30	<i>Hyundai Wia has higher Max horsepower and nearly 2X the continous HP as NH4000</i>
Spindle Torque (ft-lbs)	<u>88.5 / 32.5 (10min/Cont)</u>	123 / 70.1 (Max/Cont)	<i>Hyundai Wia has more Max torque and nearly 2X the continuous torque as NH4000</i>
Spindle Driving Method	Built-In Motor Spindle	Built-In Motor Spindle	
Travel (X/Y/Z axis)	22" x 22" x 24.8"	24.4" x 22" x 25.6"	<i>Hyundai Wia has larger travels!</i>
Axes Servo Motor HP (X/Y/Z/B)	2 X 5.3/5.3/1.6 / 1 X 7.1	5.4~7.4 / 7.4~9.3 / 7.4~9.3 / 4.0~6.0	
Rapid Traverse Rate in IPM (X/Y/Z)	1968 ipm	1968 ipm (4000i) / 2362 ipm (4000M)	
Maximum Cutting Feed Rate IPM	1968 ipm	1575 ipm	<i>NH4000 has higher cutting feeds</i>
Slide Type	Cylindrical Roller LMG	Cylindrical Roller LMG	
Number of Tools	40/60/120	40/60/80/120	
Max. Tool Dia. (W.T/W.O)	Ø 2.9" / Ø 5.5"	Ø 2.9" / Ø 5.5"	
Max. Tool Length	15.7"	13.8"	<i>NH4000 has longer tool length capacity</i>
Max. Tool Weight	17.6 lbs	17.6 lbs	
Tool Change Time (T-T / C-C)	0.9 sec / 2.8 sec	1.0 sec / 3.4 [3.3, 2.6 sec]	<i>Depends largely on tool capacity choice</i>
APC Type	Rotary Shuttle	Rotary Shuttle	
Pallet Change Time	6 sec	10/10/7 sec	<i>NH4000 has quicker pallet change</i>
Coolant Tank	141.2 gal	158.5 gal	<i>Hyundai has more coolant capacity for flood, through spindle, and wash downsystems</i>
Floor Space (LxW)	157.6" x 94"	198.9" x 111"	
Weight	21,164 lbs	22,046 lbs	<i>Hyundai Wia is slightly heavier!</i>
Source	http://www.doosanmachinetools.com	https://machine.hyundai-wia.com/usa/	

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