

Opinno High Speed Horizontal Machining Center Specification

Model/Options		Opinno 720	Opinno 920	Opinno 1020	Opinno 1600	Opinno 1600W	Opinno 1600 APC	Opinno 1600W APC	Opinno 1800W	Opinno 1800W APC
Travel										
X * Y * Z Axis	mm	720 *1250 * 820	920 *1250 * 820	1020 *1250 * 820	1620 *1250 * 1020	1620 *1250 * 1020	1620 *1250 * 1020	1620 *1250 * 1020	1820 *1600 * 1250	1820 *1600 * 1250
Spindle Nose to Table Center	mm	150-970	150-970	150-970	200-1220	-150-1370	200-1220	-150-1370	-250-1800	-250-1800
Spindle Center to Rotary Table Surface	mm	50-1300	50-1300	50-1300	50-1300	50-1300	50-1300	50-1300	50-1650	50-1650
W Axis	mm	No	No	No	No	500	No	500	800	800
Feedrate										
Rapid Traverse Rate (X, Z Axis)	mm/min	30	30	30	20	20	20	20	16	16
Rapid Traverse Rate (Y Axis)	mm/min	24	24	24	20	20	20	20	20	20
Cutting Feedrate	mm/min	20	20	20	20	20	20	20	20	20
Table										
Table Size	mm	500*500	500*500	630*630	1000*1000	1000*1000	1000*1000	1000*1000	1250*1250	1250*1250
T Slot	mm									
Max. Table Load	KGs	500	500	1000	3	3	3	3	5	5
Table Height	mm	1230	1230	1330	1400	1400	1,595	1,595		
Spindle										
Spindle Nose Taper	ISO	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)	NBT50 (HSK A100)
Spindle Maximum Speed	RPM	6,000 (8000)	6,000 (8000)	6,000 (8000)	6,000 (10,000)	6,000 (10,000)	6,000 (10,000)	6,000 (10,000)	6,000 (10,000)	6,000 (10,000)
Spindle Motor	Kw	26/30	26/30	26/30	26/30	26	26/30	26	26	26
Spindle Torque	Nm	238	238	238	238	238	238	238		
Inner Diameter of Bearing	mm	100	100	100	100	100	100	100	100	100
Bearing Lubrication	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease
Spindle Cooling System	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil
Axes Servo Motor (X * Y * Z)	KW	7*8.6*7	7*8.6*7	7*8.6*7	8.6*8.6*8.6	8.6*8.6*8.6	8.6*8.6*8.6	8.6*8.6*8.6	9*9*9	9*9*9
ATC										
ATC Arm Type		NBT 50	NBT 50	NBT 50	NBT 50	NBT 50	NBT 50	NBT 50	NBT 50	NBT 50
Tool Storage Capacity	pcs	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)	30 (40,60)
Max. Tool Diameter	mm	110	110	110	110	110	110	110	110	110
Max. Tool Weight	Kgs	20	20	20	20	20	20	20	20	20
Max. Tool Length	mm	400	400	400	400	400	400	400	400	400
Accuracy										
Positioning (w/o linear scale)	mm	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000	±0.005/1000
Repeatability (w/o linear scale)	mm	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000	±0.003/1000
Rotary table positioning accuracy	sec.	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)	±10 (±5)
Others										
Air Requirement	kg/cm ²	7	7	7	7	7	7	7	7	7
Power Requirement	KVA	45	45	45	50	60	50	60	65	65
Machine Size (L * W * H)	mm	3000*3230*3120	3400*3230*3120	3600*3230*3320	4300*3500*3320	4300*3500*3320	4300*3500*3320	4300*3500*3320	4700*4300*3720	4700*4300*3720
Machine Weight	Kgs	14	15	16	18	19	19	20	24	26
Standard	Tool kits box and tools									
	Rotary table with 1 degree and auto palleter changer									
	Hand held MPG									
	Spindle cooling system									
	Chip Conveyors									
Options	Siemens 802D Solution Line									
	Fanuc, Heidenhain and Mitsubishi controllers									
	CTS 25 Bar									
	Universal head									
	Ball Screw with cooling system									
Rotary table with 0.001 degrees and Heidenhain round scale										
Heidenhain Linear Scale for X,Y and Z axis										

*Specifications and design are subject to change without notice.
Detailed options are available upo