

# MACHINE SPECIFICATIONS

Description		Unit	NHP 5500 2 <sup>nd</sup> Generation	
Cutting capacity	Travel distance	X-axis	mm (inch)	800 (31.5)
		Y-axis	mm (inch)	750 (29.5)
		Z-axis	mm (inch)	900 (35.4)
	Distance from spindle nose to table center		mm (inch)	100~1000 (3.9~39.4)
	Distance from spindle center to table top		mm (inch)	100~850 (3.9~33.5)
Feed rate	Rapid feed rate	X-axis	m/min (ipm)	60 (2362.2)
		Y-axis	m/min (ipm)	60 (2362.2)
		Z-axis	m/min (ipm)	60 (2362.2)
	Cutting feed rate		mm/min (ipm)	30000 (1181.1)
Pallet	Pallet type			24-M16xP2.0
	Pallet indexing angle		deg	1 {0.001(DD, RGC)}
	Max. loading capacity		kg (lb)	800 {1000} (1763.7 {2204.6})
	Max. workpiece size		mm (inch)	Ø900 x 1100 (35.4 x 43.3)
	Pallet size		mm (inch)	500 x 500 (19.7 x 19.7)
Spindle	Max spindle speed		r/min	10000 {10000, 15000}
	Taper			ISO #50, 7/24 TAPER
	Max. torque		N·m (ft·lbs)	516 {644, 398} (380.8 {475.3, 293.7})
Auto pallet changer (APC)	No. of pallets		ea	2
	Pallet change time		s	12
	APC indexing angle (rotation)		deg	90
Automatic tool changer (ATC)	Type of tool shank			BT50 {CAT50,DIN50,HSK-A100}
	Tool storage capacity	Pot type	ea	40 {60}
		Chain type	ea	{90, 120, 150}
		Matrix type	ea	{196, 256, 316, 376}
	Max. tool diameter	W/O adjacent tool	mm (inch)	125 (4.9) (Pot type) 130 (5.1) (Chain/Matrix type)
		With adjacent tool	mm (inch)	320 (12.6)
	Max. tool length		mm (inch)	550 (21.7) (BT/CAT/DIN) 640 (25.2) (HSK)
	Max. tool weight		kg (lb)	25 {30} (55.1 {66.1})
	Max. tool moment		N·m (ft·lbs)	34.3 (25.3)
	Tool change time (tool to tool, tools)		s	1.7 (Less than 12kg)
Tool change time (chip-to-chip)		s	4.7 (Less than 12kg)	
Motor	Spindle motor power		kW (Hp)	37/30/26 (49.6/40.2/34.9) (S3 25%/30min/Continuous) {45/37/30/26 (60.3/49.6/40.2/34.9) (S3 15%/S3 25%/30min/Continuous), 37/30(49.6/40.2) (S3 25%/Continuous)}
Power source	Power consumption		kVA	66.99
	Compressed air pressure		Mpa	0.54
Tank capacity	Coolant tank capacity		L	1100
	Lubricant tank capacity		L	1.4
Machine dimensions	Height		mm (inch)	3199 (125.9)
	Length		mm (inch)	6389 (251.5) (Length with rear conveyor)
	Width		mm (inch)	3375 (132.9)
	Weight		kg (lb)	14000 (30864.3)

\*{ } : option