

## **Horizontal Type CNC Machining Center**

### **HT-400**

The HT-400/HT500 horizontal machining center is ideal for the machining of workpieces up to 24.8 inches by 35.4 inches with a loading capacity of up to 880 lbs. Through an in-depth analysis of current market needs, we've improved on the already high level of performance of the NH Series

### **Features**

- Great Mechanical Structure with Box In Box Design
- X Axis Twin Ball screw Design with Good Rigidity and High Accuracy
- Fixed-Column Design with Good Rigidity and High Acceleration
- Built-In Twin Screw Type Chip Conveyors
- High Accuracy Roller Type Linear Guides for 3 Axes
- Rapid Travel 36m/Min
- All Major Moving Parts Include X Axis Saddle - Spindle Head Base - Work Table
- FCD45 Steel Castings for Bases Provides Great Stability with 0.7 G Acceleration

### **Specification:**

Item/Model	Unit	HT-400
X-axis Travel	mm(inch)	820(32.3)
Y-axis Travel	mm(inch)	720(28.3)
Z-axis Travel	mm(inch)	635(25)
Distance from Spindle Nose to Table surface	mm(inch)	120-840(4.7-33.1)
Distance from Nose to Table Center	mm(inch)	154-798(6.1-31.1)
Spindle		
Spindle Speed	rpm	10000(DDS)
Spindle Nose	Kw(hp)	15/18.5(20.1/24.8)
Spindle Motor(Continual/30min)	BT(CAT)	BT-40(CAT-40)
Pallet System		
Pallet Change System		Rotary
Pallet Size	mm(inch)	400*400(15.7*15.7)
Max. Loading Capacity	kg(lbs)	400(881)

Feed Rate		
X\Y\Z Rapid feature	m/min(ipm)	48/48/48/48(1889/1889/1889/1889)
Cutting Feedrate	m/min(ipm)	1-20(40-787)
X\Y\Z axial feedrate	kw	3(x2)/7/4(F)
ATC unit		
Tool change type		Round-Rail
Tool capacity	set	60
Max. tool Weight	kgs(lbs)	8(17.6)
Max. Tool Length	mm(inch)	300(11.8)
Max. Tool Diameter with Adj. Tool	mm(inch)	80(3.1)
Max. Tool Diameter without Adj. Tool	mm(inch)	160(6.3)
Miscellaneous		
Air Pressure Required	kg/cm <sup>3</sup> (psi)	6(85.3)
Dimension(L*W*H)	mm(inch)	4660*3420*3320(183.4*134.6*130.7)
Net Weight	kgs(lbs)	18000(39683)
Gross Weight	kgs(lbs)	18700(41226)