

DAMA

JOINT PLATE CNC HIGH SPEED DRILLING CENTER

ISO9001:2000



Features

1. HDC with high speed spindle up to 2500 rpm, supports cooling thru spindle & rigid tapping for heavy duty drilling & high efficiency.
2. Best solution for modern high speed plate drilling. More than double the efficiency of hydraulic feed drilling machines.
3. CNC system: Dama-Syntec Special purpose CNC system; Windows CE base for plate drilling jobs with easy operational interface.
4. Rigid BT 40 taper spindle; drilling diameter from 6~50 mm for most steel construction applications: joint plate, heat changer plate.
5. Max drilling thickness up to 100 mm, users can load many plates as layers & drill together.
6. Supports rigid tapping from M8~M24 for steel construction jobs or machine parts.
7. Four basic working areas, one area under drilling, operators can load / unload work pieces in other areas to reduce idle time.
8. Users can set up more than 4 program home positions to pre-set different drilling jobs on the same working table.
9. Chain type chip conveyer easily cleans chips after drilling. Chips are moved & loaded into the chip cart for easy recycling.
10. Longitudinal axes (2 sides) with auto clamping device to hold & clamp the machine body tightly during drilling & enhance the machine stability.

SPECIFICATIONS

Model	HDC-1020	HDC-1640
IPC CNC Controller (TAIWAN SYNTEC Series)	10.4" LCD Color Display Part Program Loading: ▶ USB Port ▶ RS-232, RS422, Serial Port ▶ 10 / 100 MB Ethernet RJ45	
High Speed High Precision Spindle	BT 40 Spindle Rotary coupling, standard for cooling-thru tools. Includes spindle air cooling system & air positive pressure system to protect the spindle.	
Spindle Motor & Inverter	10 HP	20 HP
Spindle rpm	200 ~ 2000 rpm	
Drilling Capability (Material Thickness)	ø6 ~ ø50 (6t~100t)	
Tapping Capability	M8 - M24	
X,Y AC Servo Driver and Motor	1 kW	
Z AC Servo Driver and Motor	2 kW Driver and Motor With Brake	
Positioning Speed	X, Y:12000 mm/min, Z:6000 mm/min	
Positioning Accuracy	≤±0.1 mm	
Reproducibility Accuracy	≤±0.02 mm	
Verticality Accuracy	≤0.05 / 300 mm	
Tool Length (Attach Auto Measurement)	170 to 300 mm	
Work Area	Plate Dimension	L x W mm
One Area		1000 x 2000 1600 x 4000
Two Area		1000 x 900 1600 x 1950
Four Area		450 x 900 750 x 1950
Number of Hydraulic Fixture	12 sets	16 sets
Chip Conveyor	Standard	
Cooling Recycling System & Water Tank	High Pressure Coolant	
File Transfer Software for (DXF to G, M Code)	Standard	
Power Supply	3ø, 220V, 20HP	3ø, 220V, 30HP
Air Pressure	4 kg/cm ²	
Machine Weight	4.0T	8.0T
Machine Dimension (L x W x H)	2780 x 3540 x 3160 mm	5070 x 3800 x 3160 mm
ATC Tool Change (Option)	10 Tools - Umbrella Type	

This information is subject to change without prior notice.

