

Double column CNC for the BIG STUFF. >>

We added the Hurco DCX Double Column 5-Axis machines to our product lineup for the same reason we added the DCX 3-Axis machines: customer requests.

Many customers who embraced the power of the Hurco control needed larger machines for aerospace and energy parts in addition to machine repair jobs. Since our 5-axis machines have such powerful 5-sided machining software features that increase productivity, they asked us to provide a 5-Axis option for our 2-meter, 3-meter, and 4-meter DCX machines.

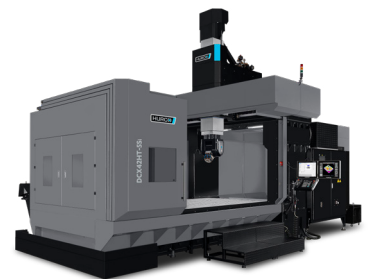
DCX32-5Si



DCX3226HT-5Si



DCX42HT-5Si



SERIES OVERVIEW

- » Swivel-head spindle design provides manufacturing flexibility.
- » Double-column design promotes thermal stability and superior dynamic behavior.
- » 5 second tool-to-tool ATC time.
- » Larger, telescoping doors give you more room to load/unload and facilitate easy overhead crane access.
- » Best-In-Class Yaskawa Sigma V Drives.
- » LED lighting shines brighter and saves energy.
- » 5-axis/5-sided software features – Tool Path Linearization, Tool Center Point Management, Transform Plane, 3D Tool Compensation, Tool Vector Input & Retract, Shortest Angular Traverse, 3D Import.
- » Robust control specifications (standard, not an option) – 4GB RAM Memory, 10,000 block lookahead, 128GB Solid State Hard Drive, 2.7GHz Dual Core Processor.
- » Ergonomically-designed control console with two 19" LCD touch-screens.
- » WinMax® Mill Conversational and Industry Standard NC programming.
- » Patented Motion Control System (UltiMotion®) is standard, not an option.



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SPECIFICATIONS

DCX32-5Si

DCX3226HT-5Si

DCX42HT-5Si

CAPACITY	TABLE SIZE	118.1 x 66.9 in / 3,000 x 1,700 mm	118.1 x 82.7 in / 3,000 x 2,100 mm	157.5 x 82.7 in / 4,000 x 2,100 mm
	TABLE T-SLOTS	7 x 0.87 in / 7 x 22 mm	9 x 0.87 in / 9 x 22 mm	9 x 0.87 in / 9 x 22 mm
	MAXIMUM WEIGHT ON TABLE	24,250 lb / 11,000 kg	30,864.7 lb / 14,000 kg	35,274 lb / 16,000 kg
	SPINDLE NOSE TO TABLE	2.6 in (66 mm) / 38 in (960 mm)	7.9 in (201 mm) in / 51.2 in (1,301 mm)	7.9 in (201 mm) / 59.1 in (1,501 mm)
TRAVEL	X-AXIS	126 in / 3,200 mm	126 in / 3,200 mm	165.4 in / 4,200 mm
	Y-AXIS	82.7 in / 2,100 mm	96.5 in / 2,450 mm	96.5 in / 2,450 mm
	Z-AXIS	35.4 in / 900 mm	43.3 in / 1,100 mm	51.1 in / 1,300 mm
	B-AXIS	+/-110°	+/-110°	+/-110°
	C-AXIS	+/-360°	+/-360°	+/-360°
SPINDLE	MAXIMUM SPINDLE SPEED	18,000 rpm	12,000 rpm	12,000 rpm
	SPINDLE POWER (30 MIN/CONTINUOUS)	(30 MIN) 75.1 hp (56 kW) / 60.3 hp (45 kW) @ 5700 rpm	(30 MIN) 71 hp (53 kW) / 56.3 hp (42 kW) @ 2000 rpm	(30 MIN) 71 hp (53 kW) / 56.3 hp (42 kW) @ 2000 rpm
	SPINDLE TORQUE (30 MIN/CONTINUOUS)	(30 MIN) 69.3 ft. lbs (94 Nm) / 55.6 ft. lbs (75 Nm) @ 5700 rpm	(30 MIN) 186.6 ft. lbs (253 Nm) / 148.2 ft. lbs (200.5 Nm) @ 2000 rpm	(30 MIN) 186.6 ft. lbs (253 Nm) / 148.2 ft. lbs (200.5 Nm) @ 2000 rpm
	TOOL TYPE	HSK 63	HSK 100	HSK 100
ATC	TOOL CAPACITY	40	40	40
	MAXIMUM TOOL DIAMETER	3.0 in / 76 mm	4.9 in / 125 mm	4.9 in / 125 mm
	MAXIMUM TOOL LENGTH	11.8 in / 300 mm	11.8 in / 300 mm	11.8 in / 300 mm
	MAXIMUM TOOL WEIGHT	15.4 lb / 7 kg	33 lb / 15 kg	33 lb / 15 kg
	TOOL-TO-TOOL ATC TIME	5 sec	3.5 sec	3.5 sec
FEEDRATE	RAPID TRAVERSE XYZ PER MINUTE	XY= 591 in / 15 m	XY= 591 in / 15 m	XY= 492 in / 12.5 m
		Z= 394 in / 10 m	Z= 394 in / 10 m	Z= 394 in / 10 m
	PROGRAMMABLE FEEDRATE / MINUTE	394 in / 10 m	394 in / 10 m	394 in / 10 m
SIZE	MAXIMUM OPERATING FLOOR SPACE (W x D x H) (WITH SIDE DOORS OPEN)	393.0 x 268.3 x 207.0 in / 9,982 x 6,815 x 5,250 mm	408.7 x 286.2 x 246.6 in / 10,382 x 7,270 x 6,263 mm	487.5 x 286.2 x 246.6 in / 12,383 x 7,270 x 6,263 mm
	MACHINE WEIGHT	82,982 lb / 37,640 kg	96,562 lbs / 43,800 kg	TBD