

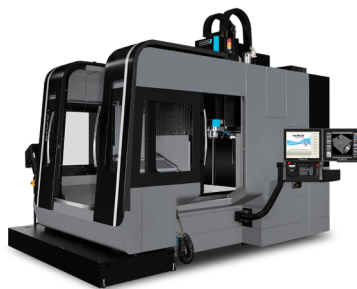
High-Speed Double-Column Bridge Design CNC Machining Centers. >>

The stability of the double-column, the ladder design of the Z-axis, and the overall weight of the BX high-speed milling machines provide exceptional accuracy, thermal compensation, and outstanding surface finish capabilities. Equipped with an 18,000 rpm HSK 64A spindle and Hurco's patented UltiMotion® technology, the BX series of CNC machines is designed for high speeds and tight tolerances.

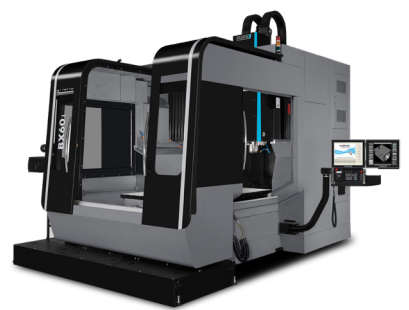
BX40i



BX50i/50T



BX60i



SERIES OVERVIEW

- » Extremely rigid and thermally stable double-column design.
- » Ladder design of bridge provides maximum support to the head casting.
- » Close proximity of spindle to bridge casting reduces overhang.
- » Direct-coupled ballscrews and motors.
- » Easy access to machine table.
- » High-speed tool changer.
- » Integral motorized 20K spindle equipped with ABEC-7 ceramic hybrid bearings.
- » Solid, cast-iron frame.
- » Larger, heavy-duty roller ways on all three axes.
- » Best-In-Class Yaskawa Sigma V Drives.
- » LED lighting shines brighter and saves energy.
- » 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.
- » Adjustable height control arm.
- » WinMax® Mill Conversational and Industry Standard NC programming.
- » Patented Motion Control System (UltiMotion®) is standard, not an option.



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SPECIFICATIONS		BX40i	BX50i	BX50i-50T	BX60i
CAPACITY	TABLE SIZE	41.3 x 27.6 in / 1,050 x 700 mm	53.5 x 37.8 in / 1,360 x 960 mm	59.1 x 37.8 in / 1,500 x 960 mm	74.8 x 51.2 in / 1,900 x 1,300 mm
	TABLE T-SLOTS	6 x 0.7 in / 6 x 18 mm	6 x 0.9 in / 6 x 22 mm	6 x 0.87 in / 6 x 22 mm	8 x .87 in / 8 x 22 mm
	MAXIMUM WEIGHT ON TABLE	2,204 lbs / 1,000 kg	4,409 lbs / 2,000 kg	5,512 lb / 2,500 kg	13,200 lbs / 6,000 kg
	SPINDLE NOSE TO TABLE	7 in / 178 mm	7.9 in / 200 mm	7 in / 180 mm	7.1 in / 180 mm
TRAVEL	X-AXIS	40.2 in / 1,020 mm	49.2 in / 1,250 mm	53.2 in / 1,350 mm	63 in / 1,600 mm
	Y-AXIS	27.6 in / 700 mm	37.4 in / 950 mm	37.4 in / 950 mm	51.2 in / 1,300 mm
	Z-AXIS	19.7 in / 500 mm	22.8 in / 580 mm	23.6 in / 600 mm	27.6 in / 700 mm
SPINDLE	MAXIMUM SPINDLE SPEED	20,000 rpm	20,000 rpm	10,000 rpm	20,000 rpm
	SPINDLE POWER (30 MIN/CONTINUOUS)	38.9 hp (29 kW) / 33.5 hp (kW) @ 2870 rpm	38.9 hp (29 kW) / 33.5 hp (kW) @ 2870 rpm	[15 MIN] 24.8 hp (18.5 kW) / 20.1 hp (15 kW) @ 750 rpm	38.9 hp (29 kW) / 33.5 hp (kW) @ 2870 rpm
	SPINDLE TORQUE (30 MIN/CONTINUOUS)	73.2 ft. lbs (99.3 Nm) / 61.4 ft. lbs (83.2 Nm) @ 2790 rpm	73.2 ft. lbs (99.3 Nm) / 61.4 ft. lbs (83.2 Nm) @ 2790 rpm	[15 MIN] 173.7 ft. lbs (235.5 Nm) / 140.9 ft. lbs (191.0 Nm) @ 750 rpm	73.2 ft. lbs (99.3 Nm) / 61.4 ft. lbs (83.2 Nm) @ 2790 rpm
ATC	TOOL TYPE	HSK 63A	HSK 63A	CAT 50 / Big Plus®	HSK 64A
	TOOL CAPACITY	30	30	40	30
	MAXIMUM TOOL DIAMETER	3.15 in / 80 mm	3.15 in / 80 mm	4.9 in. / 125 mm	3.15 in / 80 mm
	MAXIMUM TOOL LENGTH	11.8 in / 300 mm	11.8 in / 300 mm	11.8 in / 300 mm	11.8 in / 300 mm
	MAXIMUM TOOL WEIGHT	15.4 lb / 7 kg	15.4 lb / 7 kg	33 lb / 15 kg	15.4 lb / 7 kg
	TOOL-TO-TOOL ATC TIME	1.5 sec	1.5 sec	1.5 sec	1.5 sec
FEEDRATE	RAPID TRAVERSE XYZ PER MINUTE	X= 1,417 in / 36 m	X= 1,417 in / 36 m	X= 1,417 in / 36 m	X= 1,417 in / 36 m
		Y= 1,417 in / 36 m	Y= 1,417 in / 36 m	Y= 1,417 in / 36 m	Y= 1,417 in / 36 m
		Z= 1,417 in / 36 m	Z= 1,417 in / 36 m	Z= 1,417 in / 36 m	Z= 1,417 in / 36 m
	PROGRAMMABLE FEEDRATE / MINUTE	1,417 in / 36 m	1,417 in / 36 m	1,417 in / 36 m	1,417 in / 36 m
SIZE	MAXIMUM OPERATING FLOOR SPACE (W x D x H)	159.4 x 109.3 x 112.8 in / 4,048 x 3,485 x 2,865 mm	182.7 x 206.5 x 140.5 in / 4,344 x 4,096 x 2,943 mm	182.8 x 206.5 x 140.2 in / 4,644 x 5,244 x 3,561 mm	212.5 x 206.9 x 149.6 in / 5,398 x 5,256 x 3,800 mm
	MACHINE WEIGHT	20,062 lb / 9,100 kg	20,371 lb / 9,240 kg	29,480 lb / 13,372 kg	44,000 lb / 20,000 kg