



3-Axis

Machining Centres

MAX 5
From print to
part to profit



If high speed is required

The Hurco BXi high-speed machining centres are equipped with the necessary components for speed, accuracy and repeatability. This includes ABEC-7 ceramic hybrid bearings and a 20,000 rpm motorised spindle that is designed for running for long periods at high rpm. Because the motor and spindle are cooled by oil as a single component, thermal growth is negligible, compared to belt-driven or in-line spindles. The oil over air lubrication distributes oil evenly and prevents bearings from drying out.

These machines are built to last and to retain accuracy with larger rails that are mounted to a machined shoulder for increased rigidity. Additionally, the rails are wedge-locked to the frame to reduce vibration. The ball-screws are stretched and pre-loaded and have an additional anchor to the Z axis. The dual column design gives far greater rigidity compared to a C frame machine. This improves dynamics and machine accuracy

The latest Yaskawa digital direct-drives on all axes and Hurco's patented Ultimotion high-speed contouring software ensure outstanding surface finish on 2D and 3D components. Linear scales and coolant through spindle are fitted as standard to the BXi range.

	BX40i	BX50i	BX60i
Table			
Table working surface (mm)	1,050 x 700	1,360 x 960	1,900 x 1,300
T-Slots (mm)	6 x 18 x 125	6 x 22 x 160	8 x 22 x 160
Max. load Kg	1,000	2,000	6,000
Travels			
X-Axis (mm)	1,020	1,250	1,600
Y-Axis (mm)	700	950	1,300
Z-Axis (mm)	500	580	700
Spindle Motor			
Spindle Power Max. (KW)	35	35	35
Torque (Nm) Max. @ (rpm)	119 @ 2,800	119 @ 2,800	119 @ 2,800
Spindle			
Taper	HSK63A	HSK63A	HSK63A
Spindle Nose to Table (mm)	678	780	880
Spindle Speed Max. (rpm)	20,000	20,000	20,000
Toolchanger			
Stations	30/(50*)	30/(50*)	30/(50*)
Max. Tool Diameter (mm)	76/(127*)	80/(150*)	80/(150*)
Max. Tool Length (mm)	300	300	300
Max. Tool Weight (Kg)	7	7	7
Further Details			
Rapid Feedrate (m/min.) X/Y/Z-Axis	36/36/36	36/36/36	36/36/36
Machine Weight (Kg)	9,100	11,960	20,000

*option

Further information and technical data on the product, see www.hurco.co.uk.
Machines shown with options. Prices and information may change without notice.