

BX60i

High Speed Double Column Machine. The stability of the double-column, the ladder design of the Z-axis, and the overall weight of the machine (over 44,000 lbs.) provide exceptional accuracy and outstanding surface finish capabilities.

- Direct drive ballscrews

➤ High speed tool changer

➤ 18,000 RPM high speed spindle

➤ 47 hp (35 kW) peak spindle

➤ Integral motorized spindle equipped with ABEC-7 ceramic hybrid bearings

➤ HSK 63 tooling

➤ Extremely rigid and thermally stable double-column design

➤ Generous Y-travel

➤ Easy access to table

➤ Ladder design of bridge provides maximum support to the head casting

➤ Close proximity of spindle to bridge casting reduces overhang
- Brushless AC Servos

➤ Solid cast iron frame

➤ Large front door opening. Large, hinged side doors

➤ Larger, heavy-duty roller ways on all three axes

➤ 30-station electric swing-arm ATC

➤ Yaskawa Sigma 5 drives

➤ LED lighting shines brighter and saves energy

➤ MAX5 ergonomically designed console with two 19" LCD screens

➤ WinMax Mill Conversational and Industry Standard NC programming

CAPACITY	X, Y, Z Axis Travel	63 x 51.2 x 27.6 in (1,600 x 1,300 x 700 mm)
	Spindle Nose to Table	7.1 in min / 34.6 in max (180 mm min / 880 mm max)
	Table Size	74.8 x 51.2 in (1,900 x 1,300 mm)
	Max. Weight on Table	13,200 lbs (6,000 kg)
	T-Slot Size	8 x 0.87 in (8 x 22 mm)
SPINDLE	Peak Spindle Motor	47 hp (35 kW)
	Torque: 18,000 rpm	88 ft-lbs @ 2,800 rpm (119 Nm @ 2,800 rpm)
ATC	Number of Tools	30
	Tool Type	HSK 63 Form A
	Max. Tool Diameter	3.1 in (80 mm)
	Max. Tool Length	11.8 in (300 mm)
	Max. Tool Weight	15.4 lb. (7 kg)
FEEDRATE	Max. Programmable Feedrate	1,535 inches/minute (39 m/minute)
	Rapid Traverse X, Y, Z Axis	1,535 in/min (39 m/minute)
	Machine Weight	42,000 lbs (19,050 kg)