

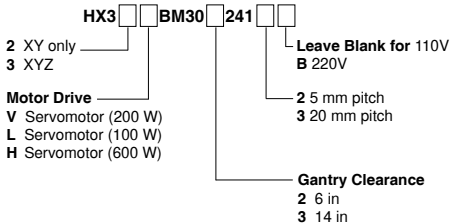
FEATURES:

- Moving gantry provides large stationary work surface
- XY travel of 30" x 24"
- All axes provided with home reference switch and far end limit switch with ± 0.01 mm ($\pm .0004$ in) repeatability
- Y-Axis is provided with aluminum dust cover and plastic lip seals to provide protection against contaminants
- X-Axis bearings and drive screw are mounted beneath the work surface to protect them from dust and debris
- 2 patented double linear rails and 4 patented double bearing blocks on each axis
- All steel high-capacity bearings on X-Axis
- All models come with closed loop DL servos
- Standard antbacklash ball screw and nut, 16 mm diameter with 5 mm pitch
- Heavy cast aluminum side plates support the Y-Axis and provide increased stiffness for cutting and positioning applications
- Standard clearance under the gantry is 150 mm (5.9 in)
- Available with optional Z-Axis travel of 127 mm (5 in)
- Work surface constructed of 3 flat milled 30 x 250 mm (1.2 x 9.8 in) aluminum table plates 750 mm wide by 1230 mm long
- Complete stepper or servo systems available with electronics, cabling and software
- Good for pick & place, testing, inspection, dispensing and assembly



GANTRY SYSTEM LCT SELECTION

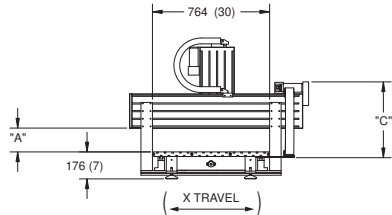
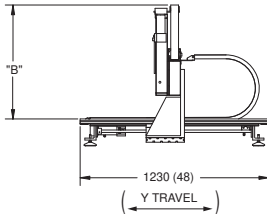
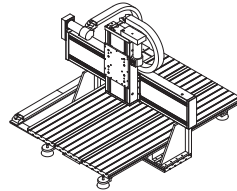
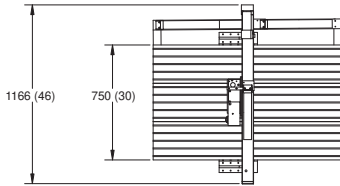
CATALOG NUMBER



EXAMPLE: To order an XYZ gantry with 200 W servos, 6 in gantry clearance, 5 mm pitch with 110 V. Catalog number is **HX33VBM3022412**

NOTE: 20 mm pitch only available with high power servo package.

For mating connectors, cables, motor standoffs and couplings see our Accessories Section.



NOTE: Dimensions in () are inch.

Catalog Number	A mm (in)	B mm (in)	C mm (in)	TRAVEL mm (in)		
				X mm (in)	Y mm (in)	Z mm (in)
HX3 <input type="checkbox"/> BM302241 <input type="checkbox"/>	150 (5.9)	750 (29.5)	455 (17.9)	1.19 (30)	0.94 (24)	0.34 (8.7)
HX3 <input type="checkbox"/> BM303241 <input type="checkbox"/>	300 (11.8)	900 (35.4)	595 (23.4)	1.19 (30)	0.94 (24)	0.49 (12.7)

SPECIFICATIONS		
Repeatability	±0.01 mm (± .0004 in)	
Accuracy	± 0.1 mm / 300 mm (± .004 in / 12 in)	
Max. Z-Axis Load (Dyn)	22.7 kg (50 lb)	
Motor Drives	Servo 5 mm	Servo 20 mm
No Load Speed	152 mm / sec (6 in / sec)	610 mm / sec (24 in / sec)
Thrust Force at Low Speed	34 kg (75 lb)	27 kg (60 lb)
Resolution	0.00125 mm (.0001 in)	0.01 mm (.0003 in)

NOTES ON SPECIFICATIONS:

(L) Motor is 100 W servo motor.

(V) Motor is 200 W servo motor.

(H) Motor is 400 W servo motor.