

Performance CNC Mills Engineered for Additional Y-Axis Travel. >>

Our larger VMX machining centers are meticulously engineered to provide more Y-Axis travel. These machines deliver high-precision capabilities to any machining application. Whether you are doing batch production, one-offs, or die/mold work, the VMX CNC mills will make you more productive and your machine shop more profitable.

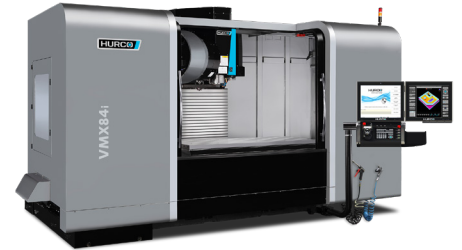
VMX6030i/50T



VMX64i/50T



VMX84i/50T



SERIES OVERVIEW

- » Engineered for additional Y-axis travel.
- » Wider machine tables extend beyond the X-axis travels to provide manufacturing flexibility that promotes high-mix manufacturing.
- » Direct-coupled ballscrews and motors.
- » Large front door opening. Large, hinged side doors.
- » Larger, heavy-duty roller ways on all three axes.
- » BIG-PLUS® dual-contact spindle system (CAT 40 or CAT 50).
- » Ceramic hybrid spindle bearings with lifetime grease.
- » One-piece, solid, cast-iron machine base.
- » 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		VMX6030i	VMX6030i-50T	VMX64i	VMX64i-50T	VMX84i	VMX84i-50T
CAPACITY	TABLE SIZE	66 x 30 in / 1,680 x 762 mm	66 x 30 in / 1,680 x 762 mm	66 x 35 in / 1,676 x 889 mm	66 x 35 in / 1,676 x 889 mm	86 x 34 in / 2,184 x 865 mm	86 x 34 in / 2,184 x 865 mm
	TABLE T-SLOTS	7 x .71 in / 7 x 18 mm	7 x .71 in / 7 x 18 mm	7 x .71 in / 7 x 18 mm	7 x .71 in / 7 x 18 mm	7 x .71 in / 7 x 18 mm	7 x .71 in / 7 x 18 mm
	MAXIMUM WEIGHT ON TABLE	4,410 lb / 2,000 kg	4,410 lb / 2,000 kg	6,000 lb / 2,722 kg	6,000 lb / 2,722 kg	5,000 lb / 2,268 kg	5,000 lb / 2,268 kg
	SPINDLE NOSE TO TABLE	4.0 in / 101 mm	4.0 in / 101 mm	5.0 in / 127 mm	5.0 in / 127 mm	5 in / 127 mm	5 in / 127 mm
TRAVEL	X-AXIS	60 in / 1,524 mm	60 in / 1,524 mm	64 in / 1,625 mm	64 in / 1,625 mm	84 in / 2,134 mm	84 in / 2,134 mm
	Y-AXIS	30 in / 762 mm	30 in / 762 mm	34 in / 864 mm	34 in / 864 mm	34 in / 864 mm	34 in / 864 mm
	Z-AXIS	24 in / 610 mm	24 in / 610 mm	30 in / 762 mm	30 in / 762 mm	30 in / 762 mm	30 in / 762 mm
SPINDLE	MAXIMUM SPINDLE SPEED	12,000 rpm	8,000 rpm	12,000 rpm	8,000 rpm	12,000 rpm	8,000 rpm
	SPINDLE POWER	(15 MIN) 20 hp (15 kW) / 14.8 hp (11kW) @ 900 rpm	(15 MIN) 24.8 hp (18.5 kW) / 14.8 hp (11kW) @ 750 rpm	(15 MIN) 20 hp (15 kW) / 14.8 hp (11kW) @ 900 rpm	(15 MIN) 24.8 hp (18.5 kW) / 14.8 hp (11kW) @ 750 rpm	(15 MIN) 20 hp (15 kW) / 14.8 hp (11kW) @ 900 rpm	(15 MIN) 24.8 hp (18.5 kW) / 14.8 hp (11kW) @ 750 rpm
	SPINDLE TORQUE	(15 MIN) 146.7 ft. lbs (198.9 Nm) / 86.1 ft. lbs (116.7 Nm) @ 900 rpm	(15 MIN) 217.2 ft. lbs (294.4 Nm) / 103.3 ft. lbs (140.1 Nm) @ 750 rpm	(15 MIN) 146.7 ft. lbs (198.9 Nm) / 86.1 ft. lbs (116.7 Nm) @ 900 rpm	(15 MIN) 217.3 ft. lbs (294.4 Nm) / 103.3 ft. lbs (140.2 Nm) @ 750 rpm	(15 MIN) 146.7 ft. lbs (198 Nm) / 86.1 ft. lbs (116.7 Nm) @ 900 rpm	(15 MIN) 217.2 ft. lbs (294.4 Nm) / 103.3 ft. lbs (140.1 Nm) @ 900 rpm
ATC	TOOL TYPE	CAT 40 / BIG-PLUS®	CAT 50 / BIG-PLUS®	CAT 40 / BIG-PLUS®	CAT 50 / BIG-PLUS®	CAT 40 / BIG-PLUS®	CAT 50 / BIG-PLUS®
	TOOL CAPACITY	40	30	40	32	40	32
	MAXIMUM TOOL DIAMETER	3.0 in / 76 mm	4.7 in / 120 mm	3.0 in / 76 mm	4.9 in / 125 mm	3.0 in / 76 mm	4.9 in / 125 mm
	MAXIMUM TOOL LENGTH	11.8 in / 300 mm	11.8 in / 300 mm	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	33 lb / 15 kg	15.4 lb / 7 kg	33 lb / 15 kg	15.4 lb / 7 kg	33 lb / 15 kg
	TOOL-TO-TOOL ATC TIME	2 sec	2 sec	2 sec	4 sec	2 sec	4 sec
FEEDRATE	RAPID TRAVERSE XYZ PER MINUTE	X= 1,260 in / 32 m	X= 1,260 in / 32 m	X= 709 in / 18 m	X= 709 in / 18 m	X= 709 in / 18 m	X= 709 in / 18 m
		Y= 1,260 in / 32 m	Y= 1,260 in / 32 m	Y= 709 in / 18 m	Y= 709 in / 18 m	Y= 709 in / 18 m	Y= 709 in / 18 m
		Z= 945 in / 24 m	Z= 945 in / 24 m	Z= 530 in / 13.5 m	Z= 530 in / 13.5 m	Z= 530 in / 13.5 m	Z= 530 in / 13.5 m
	PROGRAMMABLE FEEDRATE / MINUTE	945 in / 24 m	945 in / 24 m	530 in / 13.5	530 in / 13.5 m	530 in / 13.5 m	530 in / 13.5 m
SIZE	MAXIMUM OPERATING FLOOR SPACE (W x D x H) (WITH SIDE DOORS OPEN)	220.7 x 160.8 x 131.7 in / 5,606 x 4,085 x 3,345 mm	220.7 x 160.8 x 132.1 in / 5,606 x 4,084 x 3,355 mm	249.5 x 177.0 x 131.3 in / 6,338 x 4,496 x 3,335 mm	249.5 x 177.0 x 131.3 in / 6,338 x 4,496 x 3,335 mm	297.9 x 176.7 x 133.5 in / 7,566 x 4,488 x 3,391 mm	297.9 x 176.7 x 133.5 in / 7,566 x 4,488 x 3,391 mm
	MACHINE WEIGHT	26,087 lb / 11,833 kg	25,678 lb / 11,674 kg	32,837 lb / 14,895 kg	32,187 lb / 14,600 kg	36,806 lb / 16,730 kg	37,260 lb / 16,936 kg