



Maximill CNC Machining Center Model: E216

MACHINE FEATURES

- ISO 9001 QUALITY ASSURANCE
- FINITE ELEMENT ANALYSIS (FEA)
- MEEHANITE CASTING TO PROVIDE MAXIMUM RIGIDITY AND STABILITY.
- HARDENED & GROUND TABLE WITH THE CENTER T-SLOT (GROUND FOR QUICK SETTING).
- SQUARE SLIDE WAYS ON Y & Z-AXIS.
- SUPER WIDE SADDLE TO ENSURE ACCURATE POSITIONING.
- LATEST CENTROID CONTROL M-400 WITH 15" LCD MONITOR.
- 3-AXIS DC 29 IN/LBS. SERVO DRIVE MOTOR WITH BELT DRIVEN.
- CLASS 7 BEARING FOR SPINDLE RUN OUT LESS THAN 0.00015".
- 220 V., 7.5 HP. ELECTRONIC VARI SPEED WITH SPINDLE S CONTROL.
- ATC UMBRELLA TYPE TOOL CHANGER, 16 MAGAZINE
- SPINDLE TAPER CAT 40 std. OR BT 40 optional
- LASER COMPENSATION TO ENSURE HIGH ACCURACY +/-0.0004" POSITION 0.0002" REPEATABILITY
- ALL AXES HAVE HIGH PRECISION, CLASS C3 BALLSCREW TO ENSURE POSITION ACCURACY.
- AUTOMATIC FLOOD (M8) COOLANT SYSTEM std. MIST COOLANT (M7) optional.
- AUTOMATIC (JUST ENOUGH) LUBRICATION SYSTEM PREVENTS OVER OILING.
- BUILT-IN QUARTZ WORK LIGHT
- HARD LIMIT SWITCHES
- MACHINE MADE IN TAIWAN, CONTROL MADE IN U.S.A.



Specification:

Table:	14" x 36"
Longitudinal travel (x axis):	26"
Cross travel:	16"
Z axis travel cnc quill:	20"
Table load capacity:	900 lbs.
Spindle taper:	CAT-40 taper std. BT-40 taper optional
Spindle speed (r. p.m.):	60 to 6000 rpm (8,000 rpm optional)
Spindle torque output:	30 ft-lbs. (40nm) opt: 38 ft-lbs. (50nm)
Spindle center to column:	17"
Spindle nose to table:	4.4" to 22"
Spindle bearings:	ABEC class 7 p4
Number of tool pockets:	16
3-axis drive motor:	DC 29 in/lbs motor (1 Kw AC brushless optional)
Positioning:	±0.0004"
Repeatability:	±0.0002"
Maximum rapid speeds:	150 ipm. (29 in/lb) 360 ipm (1 Kw)
Maximum feed rate:	150 ipm.
Minimum input increment:	0.0001"

Motors:

Spindle motor/max torque:	7.5 H.P., 3Φ 220 VOLTS, 10 H.P. peak
Coolant pump (optional)	1/8 H.P. 220VAC 3 phase
Lubrication pump:	Automatic "Just enough" central lubrication
Power requirement:	14 KVA. / 35 AMPS
Length X Width X Height (LXWXH):	80" X 66" X 92"
Net Weight:	4,820 LBS.



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AUTOMATIC TOOL CHANGER:

ATC type:	Umbrella type
Number of tools:	16
Max. tool diameter:	Φ3.54"
Max. tool length:	10-15/16"
Max. tool weight:	14 LBS.
Tool change time:	9 Seconds
Pull stud/retention knob:	Standard 45°

Pricing

Model	Spindle	Travels X, Y, Z	Tool Change	Servo Motors	Spindle motor	Control	DC Servo Price	*AC Servo Price
E216	40 Taper	26", 16", 20"	Programmable	29"/lbs. DC	7.5 H.P.	M-400S	\$37,500.00	*40,800.00

Standard accessories:

Tools & Toolbox	29"/lbs. DC servo motors	Centroid M-400S control
Leveling bolts and plates	Automatic tool changer	Coolant System(s)
Way covers	Automatic Central Lube	Halogen work light
Operation manual	40 taper Spindle	Full sheet metal enclosure

Machine and control options:

1. Programmable spray mist coolant	\$ 575.00
2. High voltage option 440 or 480VAC incoming power	\$1,500.00
3. Single phase (1) 240 volts (change the coolant and the tool count motor)	\$ 800.00
4. Spindle motor upgrade from 7.5 hp. to 10 hp.	\$1,500.00
5. Spindle hardware upgrade to 8,000 R.P.M.	\$3,000.00
5. Chip auger (screw type)	\$2,500.00
6. MPG Manual Pulse Generator	\$ 660.00
7. Multi work coordinate system [G55-59]	\$ 700.00
8. Subprograms & Macros [M98 & G65]	included
9. Scaling and Mirroring [G50 & G51]	\$ 495.00
10. Unlimited Program Memory (1 meg is standard)	\$1,495.00
11. Millwrite Engraving software.	\$ 665.00
12. Compression tapping	\$ 350.00
13. Laser Ball screw mapping	Included
14. Intercon programming software for your desk top PC (standard on your control)	\$ 840.00
15. DXF input, tool path generator	\$ 495.00
16. Setup of network communication between your control and one desk top computer.	Available
17. Probing package includes DP-4 probe hardware and probing cycles software.	\$1,825.00
18. TT-1 Tool height touch off kit. Comes with touch off sensor hardware and software.	\$ 695.00
19. Coordinate System Rotation. Electronically skews your G-code program to the part's orientation.	\$ 495.00
20. Deluxe tool room package. DP-4 probe with probing, TT-1, & Coordinate System Rotation. *	\$2,395.00
21. Digitizing software (3D surface copying). Complete package includes Unlimited program memory and Scaling & mirroring software options. Also includes Mold Magic, desk top software for repositing digitized tool path compensating for different tool sizes and milling step over.	\$4,200.00

F.O.B. Pomona, CA. * check our website for additional details on this feature.

STANDARD TERMS OF PAYMENT: 20% down-payment, balanced due on machine delivery.

VALIDITY: This proposal is valid for 60 days.

Training: 1Day of basic control use training is included. Travel expense may be additional. (U.S.A only)

WARRANTY: One-year warranty for any defects in material or workmanship of machine tool and factory installed components.

Contact: Doug Laursen of Machines in Motion Inc. 714 404-2996

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