



“M” Class Machining Center MODEL: M526

MACHINE FEATURES:

2008



- * **ISO 9001** QUALITY ASSURANCE
- * LATEST CENTROID CONTROL M400 WITH 15" LCD.
- * 3-AXIS **DIGITAL AC 2.2 KW. SERVO DRIVE MOTOR**
- * **CLASS 7 BEARING** FOR SPINDLE RUN OUT LESS THAN 0.00015".
- * 220 V. 15 HP. **ELECTRONIC VARI SPEED WITH SPINDLE**
- * **HARDENED & GROUND** TABLE / CENTER T-SLOT (GROUND FOR QUICK SETTING).
- * **MEEHANITE CASTING** TO PROVIDE MAXIMUM RIGIDITY AND STABILITY.
- * **SQUARE SLIDE WAYS** ON X, Y & Z-AXIS.
- * X, Y & Z-AXIS METAL TELESCOPING WAY COVER.
- * **4 BOX WAYS DESIGN** ON Y-AXIS FOR LONG-TERM RELIABILITY.
- * **SUPER WIDE SADDLE** TO ENSURE ACCURACY MOVEMENT.
- * ALL AXES HAVE HIGH PRECISION, **CLASS C3, PRE-TENSION BALLSCREWS** TO ENSURE HIGH ACCURACY.
- * **HARDENED & GROUND** X, Y & Z-AXIS WAY WITH **TURCITE B COATING** TO ELIMINATE STICK-SLIP.
- * **ATC UMBRELLA** TYPE TOOL CHANGER, 20 MAGAZINE.
- * SPINDLE TAPER CAT 40 OR BT 40.
- * AUTOMATIC FLOOD (M8) COOLANT SYSTEM OR MIST COOLANT (M7), SPECIFY AT TIME OF ORDER.
- * **LASER COMPENSATION** TO ENSURE HIGH ACCURACY +/-0.0002" POSITION 0.0001" REPEATABILITY.
- * FINITE ELEMENT ANALYSIS (FEA)
- * MACHINE MADE IN TAIWAN, CONTROL **MADE IN U.S.A.**

MACHINE STANDARD ACCESSORIES:

CONTROL STANDARD ACCESSORIES:

- | | |
|--|---|
| <ul style="list-style-type: none"> - 20 TOOL MAGAZINE - X, Y & Z-AXIS METAL TELESCOPING WAY COVERS - TABLE GUARD - CHIP TRAY - AUTO LUBE SYSTEM - OPERATION/PARTS MANUALS - TOOLS & TOOL BOX - LEVELING BOLTS & PADS | <ul style="list-style-type: none"> - SHOP FLOOR PROGRAMMING - CUTTER RADIUS COMPENSATION - CANNED DRILLING CYLES - G-CODE BACKPLOT - DRILLING CYCLES - SPINDLE MULTI GEAR RANGE - ETHERNET & USB MEMORY DEVICE SUPPORT - OPERATION MANUAL & TRAINING VIDEO TAPE |
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MACHINE SPECIFICATIONS:

MILL ACCURACY:

POSITIONING: _____ ±0.0002"
 REPEATABILITY: _____ ±0.0001"

TABLE:

WORK TABLE: _____ 24" X 60"
 TABLE T-SLOTS (WxN): _____ 0.71" X 5
 MAX. TABLE LOAD (CENTER): _____ 3,000 LBS.



ATRUMP MACHINERY, INC.



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993 Carbon Canyon Rd. Chino Hills, CA 91709
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TRAVELS:

X-AXIS TRAVEL: _____ 52"
 Y-AXIS TRAVEL: _____ 26"
 Z-AXIS TRAVEL: _____ 27.5"
 SPINDLE NOSE TO TABLE: _____ 4.7" TO 32.4"
 SPINDLE CENTER TO COLUMN: _____ 27.56"

SPINDLE:

SPINDLE TAPER: _____ CAT #40 OR BT #40 (SPECIFY AT TIE OF ORDER) 45° KNOB OPT. #50 TAPER (CAT OR BT)
 SPINDLE SPEED: _____ @ 40 TAPER: 60 ~ 8,000 RPM. (OPT. 10,000) @ 50 TAPER: 60 ~ 6,000 RPM. (OPT. 8,000)
 SPINDLE TORQUE OUTPUT: _____ 70 FT-LBS (96NM) OPT: 95 FT-LBS (130NM)
 3-AXIS DRIVE MOTOR: _____ AC 3 KW. MOTOR
 SPINDLE BEARINGS: _____ ABEC CLASS 7

FEED:

RAPID FEED: _____ 400 IPM.
 CUTTING FEED: _____ 1-200 IPM.
 MINIMUM INPUT INCREMENT: _____ 0.0001"

AUTOMATIC TOOL CHANGER:

ATC TYPE: _____ UMBRELLA TYPE
 NUMBER OF TOOLS: _____ 20
 MAX. TOOL DIAMETER: _____ Φ 3-15/16"
 MAX. TOOL LENGTH: _____ 10-15/16"
 MAX. TOOL WEIGHT: _____ 14 LBS.
 TOOL CHANGE TIME: _____ 9 SECONDS
 PULL STUD/RETENTION KNOB: _____ STANDARD 45°

MOTORS:

SPINDLE MOTOR: _____ 20 HP., 3 Φ 220 VOLTS
 KVA RATING / AMPS: _____ 32 KVA. / 70 AMPS.
 MAXIMUM MOTOR OUTPUT: STANDARD 20HP (30MIN) 28HP (PEAK) – OPTIONAL 25HP (30MIN) 32HP (PEAK)
 COOLANT PUMP MOTOR: _____ 0.6 HP., 3 Φ 220 VOLTS
 LUBRICANT: _____ 1 Φ 220 V., WAY OIL #2 BY HANGSTEFERS

ADDITIONAL INFORMATION:

BALLSCREW DIAMETER: _____ 1-9/16"
 AIR REQUIREMENTS: _____ 80 ~ 90 PSI
 COOLANT FLOW/CAPACITY: _____ 30-36 GALLONS
 FLOOR SPACE: _____ 145" X 118" X 100"
 WEIGHT: _____ 15,620 LBS.

BASE PRICE:

ATRUMP M526 VMC with full enclosure

___ \$ 108,070.00



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MACHINE OPTIONAL ACCESSORIES:

1. 20 PC SET OF 45° RETENTION KNOBS FOR AUTOMATIC TOOL CHANGER _____	\$ 300.00
2. HIGH VOLTAGE OPTION (TRANSFORMER): 220 VOLTS TO 440 OR 480 VOLTS _____	\$ Call
3. UPGRADE ATC TO 24 TOOL ARM STYLE ATC _____	\$ 6,160.00
4. UPGRADE 8,000 RPM TO 10,000 RPM # 40 TAPER, OR UPGRADE 6,000 RPM TO 8,000 RPM _____	\$ 4,400.00
# 50 TAPER _____	
5. MOTOR UPGRADE FROM 20 HP TO 25 HP _____	\$ 2,750.00
6. _____	\$
7. CHIP AUGER, ONLY AVAIL. WITH FULL METAL ENCL. _____	\$ 4,730.00
8. 6" ANGLOCK TYPE VISE WITH SWIVEL BASE _____	\$ 275.00
9. 52 PC CLAMPING KIT (IMPORT) _____	\$ 66.00
10. VACU-VISE 12" X 12" VACUUM TABLE _____	\$ 1,295.00
11. VACU-VISE 24" X 16" VACUUM TABLE _____	\$ 1,995.00
12. VENTURI VACUUM GENERATOR (FOR USE WITH VACU-VISE TABLES) _____	\$ 375.00
13. UPGRADE TO 12,000 RPM _____	\$ 5,280.00
14. COOLANT THROUGH SPINDLE (MAY ONLY BE ORDERED AT THE TIME OF PURCHASE) _____	\$ 7,260.00

OPTIONAL CONTROL ACCESSORIES:

Since each customer has different needs and expectations for his machine tool, you can order your CNC machine with the features that fit your needs today. Then, in the future, upgrade your machine with just a phone call.

Software Options

1. Multi work coordinate system [G55-59]	700.00
2. Subprograms & Macros [M98 & G65]	INCL
3. Scaling and Mirroring [G50 & G51]	495.00
4. Unlimited Program Memory (1 meg is standard)	1,495.00
5. Millwrite Engraving software.	665.00
6. Rigid tapping	995.00
7. Compression tapping	350.00
8. Ball screw mapping	INCL
9. Intercon programming software for your desk top PC (standard on your control)	840.00
10. Coordinate System Rotation	495.00
11. DXF input, tool path generator	495.00
12. On-site setup of network communication between your control and one desk top (windows based) computer.	700.00
13. Technical documents and telephone assistance for the setup of network communication between your control and one desk top (windows based) computer or a multi computer company network.	345.00
14. Software Packages:	
B. Multiple work coordinates, Sub routines and Macros, Scaling and mirroring.	All for 1,850.00
C. Unlimited file size, Scaling and mirroring, Coordinate system rotation.	All for 1,699.00
D. Deluxe tool room package - a "Machines in Motion exclusive offer" including: Tool touch off device and software unlock. Digital touch probe and probing software unlock. Coordinate system rotation unlock.	All for 3,520.00



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Digitizing and Probing

10405	Probing package includes DP-4 probe hardware and probing cycles software.	2,210.00
10228	Digitizing software (3D surface copying). Complete package includes Unlimited program memory and Scaling & mirroring software options. Also includes Mold Magic, desk top software for reposting digitized tool path compensating for different tool sizes and milling step over.	4,200.00
10220	TT-1 Tool height touch off kit. Comes with touch off hardware and software.	755.00

Accessories

10014	MPG Handwheel with axis selector	670.00
4 th	Axis upgrade	Prices start at 5,279.00

STANDARD TERMS OF PAYMENT:

20% down-payment, balance due at time of shipment.

Terms can be negotiated to accommodate lenders and leasing company requirements.

VALIDITY: This proposal is valid for 60 days.

Training: CNC Machines purchased from Machines in Motion Inc. include free machine setup and on-site control use training. Additional days of on-site services are available at ½ our normal daily rate. Travel related expenses additional.

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. **Personal cell phone number 714 404-2996**

**** WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE ****