

Machines in Motion, Inc. 877 733-5500
Sales, Service, Control use training
Factory direct sales for all Atrump Products

CNC Bed Mill : AV32

Starting at only \$31,000.00 FOB CA

Specification



TABLE	10" x 50" (254mm x 1370mm)
X TRAVEL	31.5" (800mm)
Y TRAVEL	18" (460mm)
Z TRAVEL	20" (510mm)
SADDLE SIZE	20" (510mm)
QUILL TRAVEL	5" (127mm)
QUILL DIAMETER	3.37" (85.6mm)
SPINDLE NOSE TO TABLETOP	3.93" to 24.01" (100- 610mm)
SPINDLE CENTER TO COLUMN	21.5" (546mm)
TABLE LOAD CAPACITY	880 LBS (400KGS)
T-SLOT (3)	0.62" x 2.55"
SPINDLE TAPER	R8/NT30 (Optional: NT40)
PROGRAMABLE SPINDLE SPEED	70 to 4500 rpm with Hi/Lo gears
TRANSMISSION SPINDLE-MOTOR	Timing belt
HEAD SWIVEL(RIGHT/LEFT)	90/90 degrees
RAPID FEED RATE	X/Y/Z: 300 ipm AC
CUTTING FEED RATE	1 to 120 ipm
SPINDLE MOTOR/MAX POWER	3HP (Optional:5HP)
SERVO MOTORS ON XYZ	1 kW / 1 kW / 1 kW - AC
COOLANT PUMP	1/8 HP
LUBRICATION PUMP	Auto lubrication
FLOOR PLAN DIMENSION	105.8" x 69.05" x 94.2"
NET WEIGHT	3740 LBS. (1700KGS)
POWER REQUIREMENT	8 KVA 3 phase 208V-230V (Max)
AIR REQUIREMENT	70-100 psi with power draw bar
OIL WAY RECOMMENDED	Mobil Vectra #2
OPTIONAL CHILLER OIL	Shell Tellus 32
COOLANT CAPACITY	7 Gallons

Featuring:

Atrump Machinery Proven High Quality Since 1989.

Centroid's Easy Conversational Programing

Huge 15" Color Touch Screen

60GB Reliable Solid-State Memory, RS232 and 2USB ports for easy data X-fer.

3HP Spindle Motor. 70-4500rpm with Hi/Low Gear.

Quill Auto Feed

FC30 Meehanite casting with annealed & stress relieved for long term reliability.

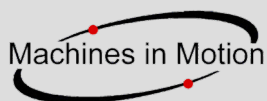
Box Way design on the Y and Z axes. All axes have hand scraped Turcite covered ways.

100% Laser tested and calibrated positioning accuracy and repeatability.

High speed Delta AC motors and Drivers and Spindle inverter.



**Promoting Centroid
Control since 1995**



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Machine Standard

Auto lube system	Coolant system	Shop floor programming/Conversational
15" color LCD	60 GB solid state hard drive	Splash guard and Chip Pan
USB 2.0 port	RS-232 interface	Leveling bolts & plate
Tools & box	LED work light	Electronic Operation Manual Centroid
Quill Auto Feed	Parts manual machine	

Machine Options

**Are Recommended items*

*PDB-MAX	Power Draw Bar-Maxi-Torque	\$830
*TG	Table Guard with 2 Lexan doors	\$700
*QS	Quill Scale installed	\$825
*EHDW-BE6S-IM	100 Step MPG – Operators hand control box	\$395
CP-MIST	Mist Coolant System	\$760
NST40	Upgrade to Spindle taper NST40	\$1,350
SP5	Upgrade to 5HP Spindle Motor	\$550
SG3	Single phase for 3HP Spindle system	\$500
SG5	Single phase for 5HP Spindle system	\$900
RS8	Riser block 8"	\$895
RS10	Riser block 10"	\$1,040



100 Step MPG

Tools Options

All Tools below are Made in Taiwan

R8 KIT RECOMMEND		
CK-101	52pcs Clamping Kit	\$130
COL-R8-11	Collet R8 set -11 pcs	\$140
R8-APU-16	R8 Keyless Drill Chuck (1/8"~ 5/8")	\$180
WISE-6-TW	6" Angle Vise W/ Swivel Base	\$520
NT30 KIT RECOMMEND		
CK-101	52pcs Clamping Kit	\$130
NT30-TOOL6	NT30 Tool Holder set (6 pcs.) 3/8, 1/2, 5/8, 3/4, 1", and Keyless drill chuck (6 pieces)	\$450
NT30ER32-10	NT30 ER32 Collet Set (10pcs.) 1/8, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, + NT30 ER32 chuck*1 + Wrench*1	\$300
NT30ER40-17	NT30 ER40 Collet Set (17pcs.) 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" + NT30 ER40 chuck*1 + Wrench*1	\$450
WISE-6-TW	6" Angle Vise W/ Swivel Base	\$520
NT40 KIT RECOMMEND		
CK-101	52pcs Clamping Kit	\$130
NT40-TOOL6	NT40 Tool Holder set (6pcs.) 3/8, 1/2, 5/8, 3/4, 1" and keyless drill chuck	\$530
NT40ER40-10	NT40 ER40 Collect (10pcs.) 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1" + NT40 ER40 chuck*1 +Wrench	\$300
NT40ER40-17	NT40 ER40 Collect (17pcs.) 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" + NT40 ER40 chuck*1+Wrench	\$450
WISE-6-TW	6" Angle Vise W/ Swivel Base	\$520



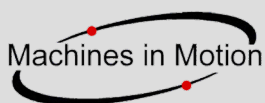
6" Angle Vise
(Made in Taiwan)



Power Draw Bar



Table Guard with 2 Lexan doors



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Optional Rotary Table

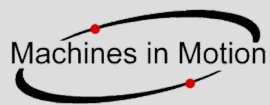


MNC-130R	CNC rotary table w/-Delta motor and driver 1KW. (Table size: 5.1")	\$7,800
DTS-130	Manual tailstock for MNC-130R	\$690
SK6 + AP1	3-Jaw manual scroll chuck w/-backplate	\$990
MNC-130RP	MNC130R 4th axis Rotary Table Package -MNC-130R+DTS-130+SK6+AP1	\$9,300
MNC-172R	CNC rotary table w/-Delta motor and driver 1KW. (Table size: 6.69")	\$8,400
DTS-171	Manual tailstock for MNC-171R	\$885
SK6 + AP1	3-Jaw manual scroll chuck w/-backplate	\$1,125
MNC-172RP	MNC170R 4th axis Rotary Table Package -MNC-172R+DTS-171+SK6+AP1	\$9,950
MNC-200R	CNC rotary table w/-Delta motor and driver 1KW. (Table size: 7.87")	\$8,800
DTS-200	Manual tailstock for MNC-200R	\$950
SK7 + AP1	3-Jaw manual scroll chuck w/-backplate	\$1,250
MNC-200RP	MNC200R 4th axis Rotary Table Package -MNC-200R+DTS-200+SK7+AP1	\$10,500

*A Riser Block is available for all rotary tables and tail stock packages.

CENTROID Software Options

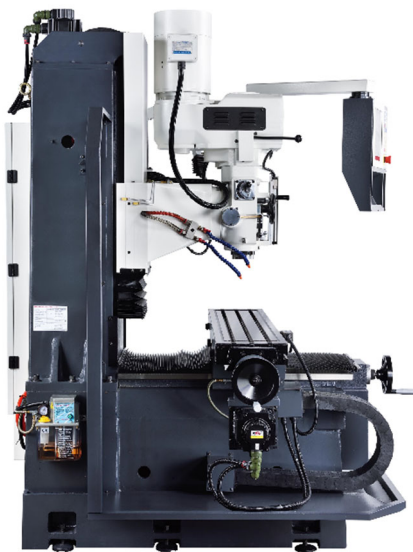
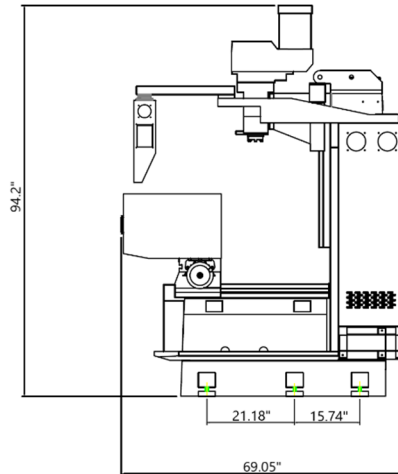
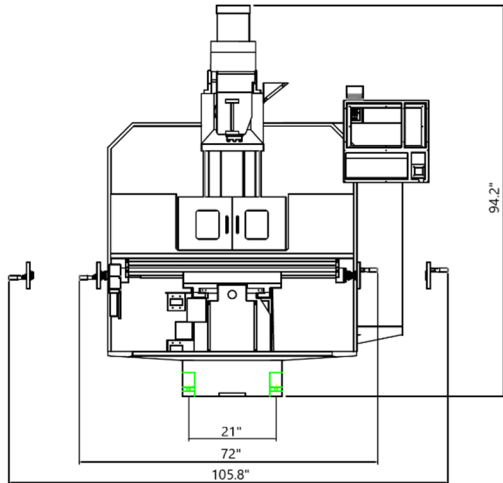
10249	Printed Manual Centroid control	\$88
10630	Unlimited part program size	\$550
10730	Intercon off-line conversational program (for your desktop PC)	\$99
10850	Coordinate system rotation (CSR)	\$220
10625	Scaling and mirroring [G50 & G51]	\$220
10814	DXF in, CAD Drawing Input software	\$305
10740	Engraving software	\$500
DIGITIZING & PROBING		
10405	DP-4 probing package w/ CSR (10850)	\$1,790
12486	DP-7 probing package w/ CSR (10850)	\$4,200
10770	2D & 3D digitizing software (requires 10405)	\$995
10220	TT-1; Tool touch off kit	\$725
12468	TT-2; Tool touch off kit	\$1,350
10772	Tool room package (10405 & 10220 & 10600 work coordinate)	\$2,439



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Floor Plan



Terms & conditions

F.O.B.: Pomona, CA 91768
 Delivery: Please check with Machines in Motion, Inc.

Standard Terms of Payment: 20% down-payment, balanced due before machine shipment.
 Taxes: Federal, State, Local Taxes are the responsibility of Purchaser.

Validity: This proposal is valid for 30 days.
 Training: \$850/Day plus travel expense Machines in Motion, Inc. includes one day of on-site service /training.

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