



TRUMP



CNC MILLING MACHINE



ATRUMP MACHINERY INC.

CNC MILLING MACHINE CNC MILLING MACHINE



E216



E3C



E320



E422



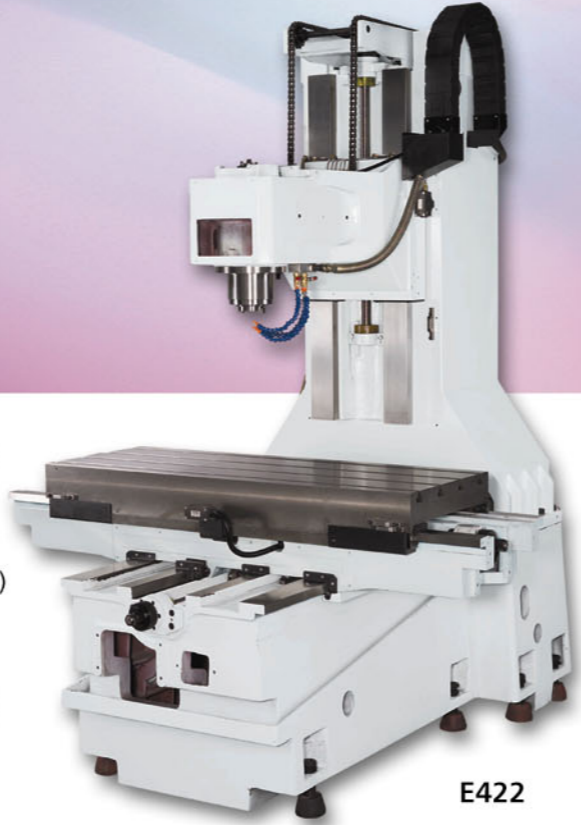
E526

INTRODUCTION

COMBINING THE CONCEPT OF EFFICIENCY, ECONOMICAL, EDIFY. ATRUMP'S "E" SERIES MACHINING CENTERS ARE DESIGNED AND BUILT TO ELEVATE THE FAMILIAR "B" SERIES CNC BED MILL AND REMAIN THE ECONOMICAL; EFFICIENCY WAY TO FIT IN TODAY'S MOST POPULAR MILLING APPLICATIONS. THEY ALL FEATURE HEAVY, MASSIVE CAST-IRON, HARDENED AND GROUND BOX WAYS WITH TURCITE COATING. ONE PIECE 4 BOX WAYS DESIGN (EXCEPT E216 AND E3C) AND REINFORCED RIBS CONSTRUCTION FOR THE MACHINE'S RIGIDITY AND STABILITY TO REDUCE CUTTING VIBRATION AND SUPPORT MACHINE LONG-TERM OPERATION.

FEATURES

- POWERFUL CENTROID M-400 CONTROL ,DYNAPATH DELTA 2000 (MADE IN U.S.A) OR FANUC 0i-MC CONTROL. (MADE IN JAPAN)
- RIGID MEEHANITE CAST-IRON WITH REINFORCED RIB CONSTRUCTION.
- ALL CASTINGS ARE HEAT TREATED AND ACCURATELY ANNEALED TO RELIEVE STRESS AND STABILIZE MOLECULAR CONFIGURATIONS.
- HARDENED AND GROUNDED WAYS WITH TURCITE COATING.
- ONE-PIECE BED DESIGN WITH 4 BOX WAYS. (EXCEPT E216 AND E3C)
- EXTRA LONG X, Y AND Z-AXES TRAVELS.
- PRECISION TOUGH STEEL ALLOY SPINDLE WITH 2 SETS. (4PCS.)
- AUTOMATIC TOOL CHANGER UMBRELLA OR ARM TYPE. (OPTIONAL)
- 6,000 RPM SPINDLE (STANDARD) 8,000 RPM SPINDLE. (OPTIONAL)



E422



E320
■ COLUMN



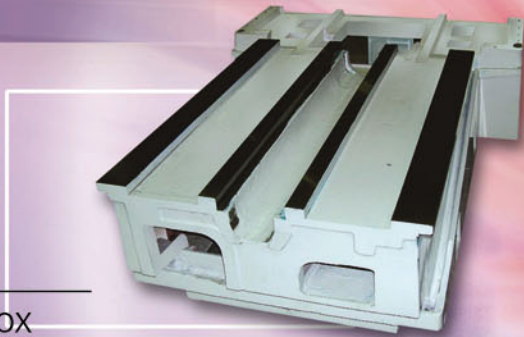
■ INSIDE CASTING CONSTRUCTION (RIBS) E422



E526
■ SADDLE

THE MASSIVE CAST-IRON WITH ENFORCE RIBS DESIGN TO MINIMIZE CUTTING VIBRATION AND ENSURE MACHINE'S ACCURACY AND RELIABILITY.

CNC MILL CNC MI



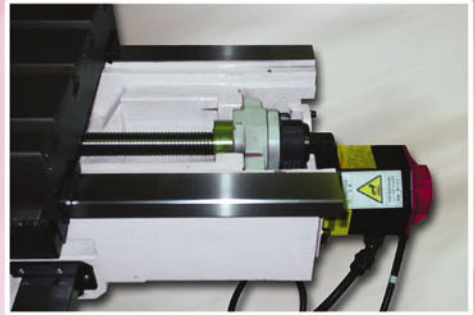
BED ▶

ONE-PIECE BED WITH 4-BOX HARDENED AND GROUNDED WAYS (EXCEPT E216 AND E3C) TO SUPPORT THE MACHINE'S STABILITY OF LONG-TERM OPERATION.

E526

BALLSCREW ▶

BELT DRIVEN, PRECISION HARDENED AND GROUND BALL SCREW.



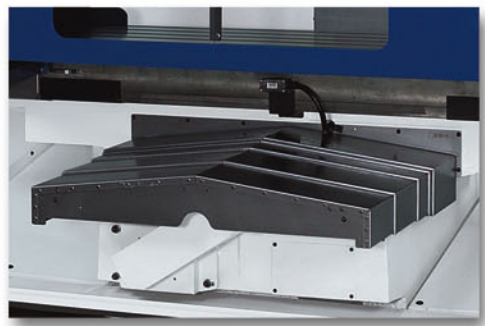
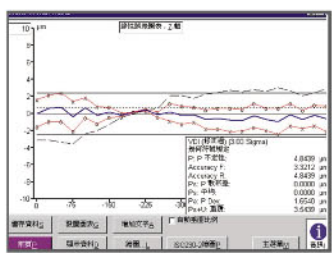
E320



STANDARD ACCESSORIES



■ LASER TEST PICTURE

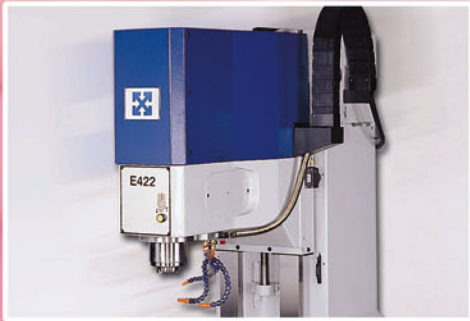


■ TELESCOPING METAL WAY COVER

ING MACHINE LLING MACHINE

◀ SPINDLE

THE SPINDLES ARE DROP FORGED FROM TOUGH STEEL ALLOY AND PRECISION MACHINED GROUND THEN EQUIPPED WITH 3 SETS (6 PCS.) ABEC-CLASS 7 BEARINGS. THIS INSURES THE SPINDLE RUNOUT LESS THAN 0.0001".



◀ HEAD

THE SPINDLE HEAD IS DESIGNED AND BUILT BY ONE PIECE CASTING WITH HARDENED AND GROUND WAYS.

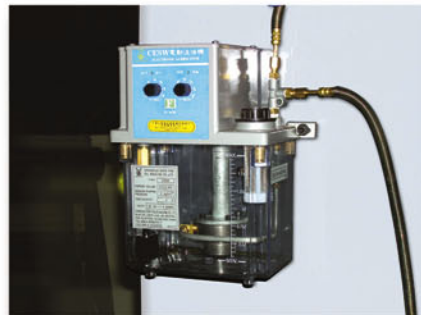


◀ CONTROL

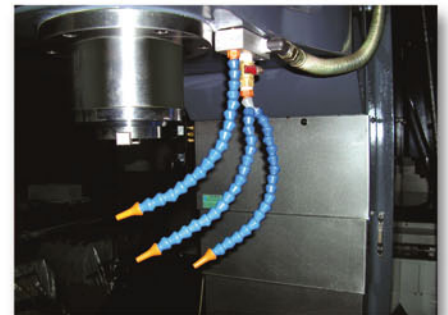
POWERFUL CENTROID M-400 CONTROL (Built in the USA) FEATURES HIGH SPEED 3D CONTOURING, CONVERSATIONAL PROGRAMMING, DXF IMPORT, DIGIZITING, ENGRAVING AND 4TH AXIS CAPABLE.



■ ARMLESS TOOL CHANGER



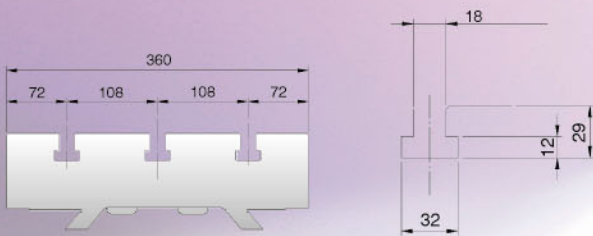
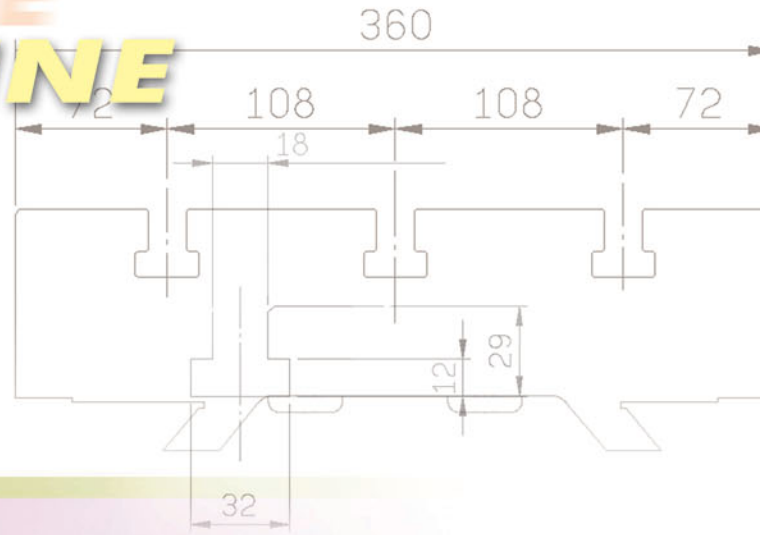
■ AUTOMATIC LUBRICATION SYSTEM



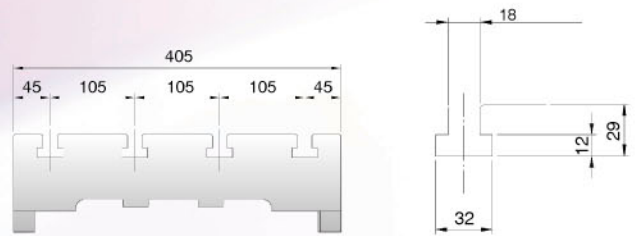
■ COOLANT SYSTEM WITH 2 WATER NOZZLES AND 1 AIR NOZZLE

ING MACHINE LLING MACHINE

TABLE T-SLOT



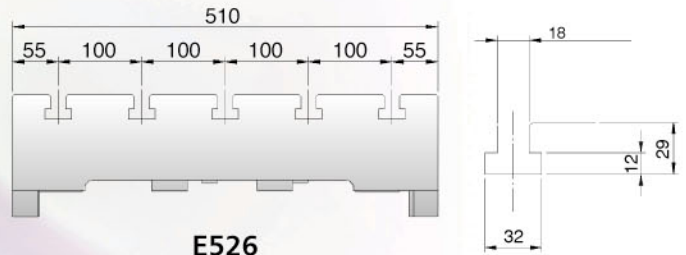
E216



E3C / E320

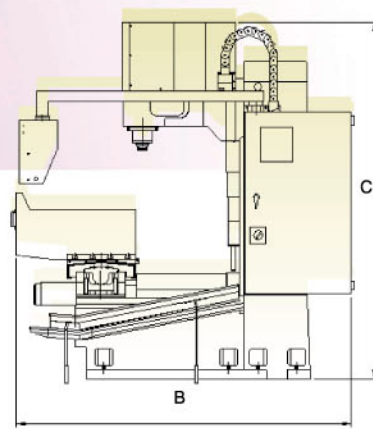
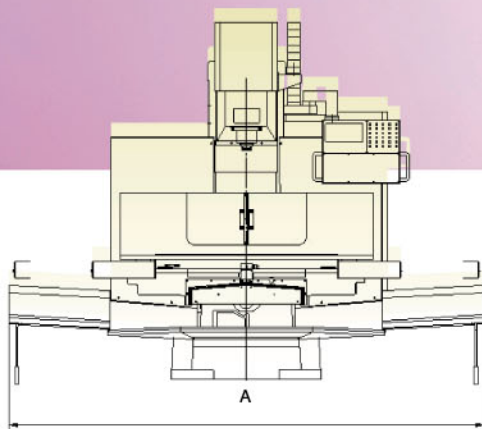


E422



E526

DIMENSIONS



Item	Model	E216	E3C	E320	E422	E526
Dimension A		90" (2,280mm)	99.2" (2,520mm)	101.8" (2,585mm)	127.2" (3,230mm)	152.4" (3,870mm)
Dimension B		83" (2,105mm)	100.4" (2,550mm)	85.6" (2,175mm)	89.6" (2,275mm)	101.8" (2,585mm)
Dimension C		98.2" (2,495mm)	99.2" (2,520mm)	94.5" (2,400mm)	95.5" (2,425mm)	99.6" (2,530mm)

SPECIFICATIONS

ITEM	MODEL	E216	E3C	E320	E422	E526
Table size		34.4"x14.2" (880x360mm)	41"x16" (1,040x405mm)	41"x16" (1,040x405mm)	48.8"x18" (1,240x460mm)	60"x20" (1,520x510mm)
Table T-slot (WxN)		0.71" (18mm) x3	0.71" (18mm) x4	0.71" (18mm) x4	0.71" (18mm) x4	0.71" (18mm) x4
Max. Table load (Center)		900lbs (409kgs)	770lbs (350kgs)	1,500lbs (680kgs)	2,000lbs (909kgs)	2,500lbs (1,136kgs)
X Travel		26" (660mm)	33.9" (860mm)	33.9" (860mm)	41.7" (1,060mm)	52" (1,320mm)
Y Travel		16.1" (410mm)	16.1" (410mm)	20" (510mm)	22" (560mm)	26" (660mm)
Z Travel		20.1" (510mm)	20.1" (510mm)	24" (610mm)	24" (610mm)	27.6" (700mm)
Spindle nose to table surface		4.1"~24.2" (105~615mm)	4.1"~24.2" (105~615mm)	4.8"~28.8" (122~732mm)	4.8"~28.9" (123~733mm)	4.3"~31.8" (108~808mm)
Spindle center to column		17.7" (450mm)	17.7" (450mm)	21.7" (550mm)	23.6" (600mm)	27.5" (700mm)
Table surface to floor		38.4" (975mm)	39.7" (1,010mm)	32.5" (825mm)	33.3" (847mm)	32.5" (825mm)
Spindle speed		6,000RPM (8,000RPM is opt.)				
Spindle motor		7.5HP	7.5HP	10HP	10HP	15HP
Spindle taper		BT or CAT#40	BT or CAT#40	BT or CAT#40	BT or CAT#40	BT or CAT#40
Spindle belt		8YU belt	8YU belt	8YU belt	8YU belt	8YU belt
Ball-screw diameter		φ 1.26" (32mm)	φ 1.26" (32mm)	φ 1.26" (32mm)	φ 1.26" (32mm)	φ 1.57" (40mm)
Pitch of ball-screw		0.20" (5mm)	0.20" (5mm)	0.20" (5mm)	0.20" (5mm)	0.24" (6mm)
Rapid feed (X, Y and Z axis)		150ipm (3,750mm) DC motor/320ipm (8,000 mm) AC motor		320ipm (8,000mm) AC motor		
Cutting feed		120ipm (3,000mm) DC motor/160ipm (4,000 mm) AC motor		160ipm (4,000mm) AC motor		
Coolant pump		1/4HP	1/8HP	MAT3-180		
ATC type		Armless (Arm type is opt.)				
ATC tool no.		16 tools	12 tools	16 tools	16 tools	20 tools
Max. tool diameter		φ 3.54" (90mm)	φ 3.54" (90mm)	φ 3.54" (90mm)	φ 3.54" (90mm)	φ 3.54" (90mm)
Max. tool weight		φ 15.4lbs (7kgs)	φ 15.4lbs (7kgs)	φ 15.4lbs (7kgs)	φ 15.4lbs (7kgs)	φ 15.4lbs (7kgs)
Positioning accuracy		±0.0004" (±0.01mm)	±0.0004" (±0.01mm)	±0.0004" (±0.01mm)	±0.0004" (±0.01mm)	±0.0004" (±0.01mm)
Repeatability accuracy		±0.0002" (±0.005mm)	±0.0002" (±0.005mm)	±0.0002" (±0.005mm)	±0.0002" (±0.005mm)	±0.0002" (±0.005mm)
Machine weight (Approx)		5,500lbs (2,500kgs)	6,160lbs (2,800kgs)	6,820lbs (3,100kgs)	9,460lbs (4,300kgs)	12,320lbs (5,600kgs)
Packing size		90"x83.1"x90" (2,280x2,110x2,280mm)	98.4"x85"x90" (2,500x2,150x2,280mm)	98.4"x85"x90" (2,500x2,150x2,280mm)	98.4"x90"x90" (2,500x2,280x2,280mm)	100.4"x90"x90" (2,550x2,280x2,280mm)

★We reserve the right to change design, color or specification without notice.

★The data above is with a Centroid Control. A different control, may change data.

Please obtain correct data from the price sheet.



**YIH CHUAN MACHINERY
INDUSTRY CO., LTD.**

8, 9 th Rd., Taichung Industrial Park,
Taichung, Taiwan

Tel: 886-4-2359-3351

Fax: 886-4-2359-0967, 2359-0012

<http://www.extron.com.tw>

E-mail: extron@mail.extron.com.tw



ATRUMP MACHINERY INC.

670 Union Avenue Pomona,
CA 91768 U.S.A

TEL: (909)623-6887

FAX: (909)623-2287

Toll Free Hot Line; 1-877-4-Atrump (287867)

<http://www.atrump.com>

E-mail: atrump@atrump.com