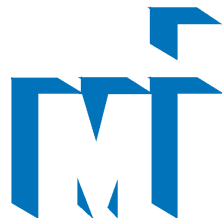


MODEL 624 AC

AUTOMATIC ANGLE CUTTER



- Reduce labor with simultaneous angle and end cuts.
- Reduce tooling costs and operating cost per part.
- Simplify molding or extruding of tubes.
- Reduce part handling and increase volume.

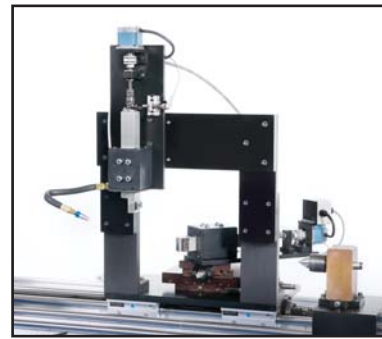


Mitchell, Inc.

1321 Leininger Ave, P.O. Box 413, Elkhart, IN 46515
Fax: 574-295-3798 • Telephone: 574-295-3509
www.mitchell-inc.com



Model 624 AC Automatic Angle Cutter



The following list of specifications and standard features is for reference only. Please contact Mitchell, Inc. for additional information.

SPECIFICATIONS:

INDEXING:	Width of cut from ten-thousandths (0.010") to 24".
MANDREL:	Adjustable length from 24" to 1" and stock from 6" O.D. to the minimum extrudable size that will fit mandrel.
MANDREL SPEED:	Variable from 0 to 2,700 RPM.
KNIFE SPEED:	Digital.
ELECTRICAL SYSTEM:	480VAC 3 Phase. Solid State electrical control.
AIR SYSTEM:	Requires at least 80 PSI clean compressed air. These components are standard: air cylinder and valves, including the filter, regulator and lubricator.
WAYS:	1" roundway case 60 hardened precision shafts.
BASE DIMENSIONS:	32" x 85" all welded construction with 4 leveling pads.
TOP DIMENSIONS:	32" x 85" cast iron one piece machined top.
SPINDLE:	Precision milling spindle rated 5,000 RPM (top speed of spindle — 2,700 RPM). Spindle driven by a timing belt.
DRIVE MOTOR:	2 HP, 0 to 1,750 RPM AC motor with Variable Frequency Solid State Control.
TAIL STOCK:	Standard tail stock mounted on machined ways and pneumatically operated.
QUICK CHANGE KNIFE HOLDER:	1½" square tool steel shaft with 4½" bearing block. Will accept 1/8" x 1/4" x 5" carbide knife.
CARRIAGE:	1½" x 6" x 16" aluminum tooling plate mounted on precision ball bearing linear guide. Carriage movement controlled by stepping motor.
AUTOMATIC CARRIAGE RETURN:	Carriage returns to home position on completion of last cut.
ANGLE CUTTER HEAD:	Mounted on a precision compound slide. Quick change knife holder with 4½" bearing block. Knives driven by step motor and ball screw.



Cylindrical Cut



Standard Square Cut



Thin Square Cut



One Side Bevelled,
One Side Square



Parallelogram



Square Cut with One
Edge Chamfered



One Side Square, One
Side Interior Bevelled



Mitchell, Inc.

1321 Leininger Ave, P.O. Box 413, Elkhart, IN 46515
Fax: 574-295-3798 • Telephone: 574-295-3509
www.mitchell-inc.com