

MODEL 115

AUTOMATIC CUTTER



Mitchell, Inc.

1321 Leininger Ave, P.O. Box 413, Elkhart, IN 46515
Fax: 574-295-3798 • Telephone: 574-295-3509
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Model 115 Automatic Cutter

Model 115 Automatic Cutter loads tube on mandrel, cuts parts, ejects scrap ends into waste container, and places cut parts in shipping container. Model 115 will continue to operate until tubes are no longer on conveyor.

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 12".
MANDREL:	OD up to 8". Length up to 12". Minimum size depends upon whether stock can be pushed on mandrel and then be stripped off.
MANDREL SPEED:	Variable from 0 RPM to 2,700 RPM.
KNIFE SPEED:	Controlled by a hydrocheck. Will index and cut as fast as material will allow at up to 240 cuts per minute.
ELECTRICAL SYSTEM:	480VAC 3 Phase AC. Solid State electrical control. Control transformers provided.
AIR SYSTEM:	Requires at least 80 PSI clean compressed air. These are all standard air cylinders and hydrocheck, including the air filter, regulator and lubricator.
WAYS:	One inch roundway case 60 hardened precision shafts and linear profiled rails.
BASE DIMENSIONS:	32" × 50" × 30" all welded construction with 4 leveling pads.
TOP DIMENSIONS:	1" × 32" × 50" blanchard ground 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 RPM to 1,750 RPM AC motor with Variable Frequency Solid State Control.
AUTOMATIC LOADER AND CONVEYOR:	Automatic loader for molded sleeves built to your requirements. The conveyor is cteated.
KNIFE HOLDER:	1½" square tool steel shaft with 4½" bearing block. Will accept ⅛" × ¼" × 5" carboloy knife.
CARRIAGE:	¾" × 6" × 9" 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.



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