NORTEL ROTARY CUT-OFF MACHINE
MODEL NRC14

FOR LARGE DIAMETER QUARTZ - GLASS - CERAMIC TUBING

DESCRIPTION

This machine was developed to provide accurate cutting of large diameter glass tubing square with the longitudinal axis of the tube. This is especially useful on quartz tubing used for furnace tubes in semi-conductor manufacture.

Accurate cutting is accomplished with a thin 6 inch diameter diamond wheel mounted on a precision stainless steel spindle with water coolant feed via the wheel flanges to the cutting area. Minimum cutting fluid flows into the inside of the tubing so as to minimize cleaning.

All important parts & components in the wet area are aluminum or Stainless Steel.

All parts subject to wear are modular and easily replaced if required. The precision spindle assembly is easily removable for inspection if necessary.

SPECIFICATIONS

GLASS TUBING CAPACITY - Diameter 14” (350mm) maximum
3 1/2” (90mm) minimum

Length from end stop to cutting wheel adjustable up to 7 feet.

MACHINE SIZES - Overall length 10 feet
- Front to back 34 inches
- Height to rails 32 inches

ELECTRICS - Motor 1/2 hp 115 VAC
- Foot switch ON/OFF Momentary Contact.

OPTIONAL - Pump & Tank feeds coolant to the cutting wheel & returns to the tank via the Stainless Steel trough and catch tray.

OPERATION

1) Set end stop to desired length to be cut.
2) Turn handwheel to retract wheel head.
3) Place glass tube on precision rubber rollers & rotate the top surface.
4) Press foot pedal to start spindle wheel head rotation and slowly turn handwheel to feed cutting wheel into the wall of the glass tube, slowly rotating the tubing towards the operator until complete cutting off is accomplished. Adjustable rollers on cut-off side support the cut-off piece.

*Details of machines to accommodate cutting of other lengths & diameters available upon request.

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Please See Reverse Side
Nortel Machinery, Inc.

Rotary Cut Off for Large Diameters

Optional Tank
Coolant
Steel
Stainless

Cutting Machines for Glass & Quartz