

# THE "ROTO-DRIVE" 505A CABLE MEASURING SYSTEM AUTOMATES CUT TO LENGTH OPERATIONS



**PT-501**

**RD-505A**

**GC-575**

This RD-505A cable measuring unit accepts any cable up to 7/8" O.D. Shown here with PT-501 turntable and the AV-575 Guillotine Cutter

## **INCREASE PRODUCTIVITY! CUT COSTS!**

- The Roto-Drive is a unique concept in the cable measuring field. It is particularly suited for use in cut to length cable operations ranging from 5" up to 99,999,999" in 1" increments.
- This bench top measuring unit is compact and narrow which makes for an efficient cut to length system, within the easy reach and control of the operator.

## **STREAMLINE YOUR OPERATION!**

The operation of the Roto-Drive is extremely simple. To load simply push a button to lift the cable drive rollers and feed in the cable. A trim cut is made when used in conjunction with a cut-off saw. The electronic counter is set to the desired length and number of pieces. Then push the "start" button or foot switch "presto" the Roto-Drive dispenses and feeds the cable to a cut-off saw at 24" per second. The cycle repeats until the number of pieces wanted is reached. A prescaler adjustment allows the counter to be calibrated to the

exact measured cable length. Thanks to this feature, the Roto-Drive dispenses the exact amount of cable wanted eliminating costly rejects and rework. Accessories are available such as a motorized pay-off table with dancer for heavy coils and a heavy duty jib crane. Customized solutions are also available when requirements exceed normal specifications.



**Custom unit built for Hubbell Inc.**



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392 PACIFIC STREET, STAMFORD, CT 06902  
PHONE (203) 324-0067 ☆ FAX (203) 324-7844 ☆ [www.SeatekCo.com](http://www.SeatekCo.com)





## TECHNICAL DATA

- The Roto-Drive **RD-505A** was designed to be maintenance free; ball bearings or self-lubricated bronze bushings are used throughout.
- The driving rollers are air cushioned pressurized and are covered with a polyurethane compound for toughness and long life. The upper and lower rollers are both driving rollers to eliminate slippage and are synchronized with a unique "lubrication free" timing belt system.
- The Roto-Drive uses a sophisticated solid state drive and control system. It also features an electronic counter with large L.C.D. display for setting the length of the cable, which can be adjusted from 5" to 99,999,999" in increments of 1". The batch counter stops the machine automatically when the preset number of pieces is reached; a totalizer is built in the counter.
- The highest quality components have been selected to provide trouble free operation in excess of 5 million cycles.
- No lubrication is required except for the pneumatic air supply. Controls are provided to synchronize the Roto-Drive with accessories.
- Dimensions are 8"W x 15 1/2"H x 24", weight 95 lbs. Power required is 220 V.A.C. single phase, 4 amps. Capacity: 1" O.D. max. Measured accuracy: within 1% for jacketed cables, +- 1% for flex and armored cables. (when convolution play is 1/2" per ft., max.) We recommend the use of a motorized pay-off unit with dancer when heavy reels (longer than 250ft) are used or when cut to length tolerances are beyond normal specifications.

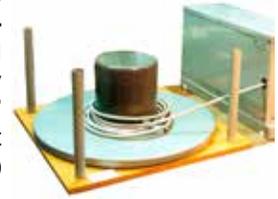


### RD-505

The RD-505 is a low cost semi-automatic unit and has only one speed of 12" per second. The electronic counter does not have a batch counter nor a totalizer. Only the lower roller is driven. Accuracy: +-1% for jacketed cables, +- 2% for flex and armored cables. (when convolution play is 1/2" per ft., max.) Power needed is 115 V.A.C. single phase 8 amps. Total weight is 80 lbs. All other data applies.

## ACCESSORIES

- The **PT-501** Pay-Off Table is used in conjunction with the **RD-505** and accepts any standard 250 ft. coil of cable. Capacity is 150 lbs. max. Dim. are 24" x 24" x 12" high. Standard hat section dia. 8" (coil core dia.) Other sizes are available.
- The **PT-501X** is used with the **RD-505A**. This unit has an integral brake, synchronized with the drive unit. Any type of standard 250 ft. cable coils can be placed on this pay-off table. Capacity is 150 lbs. max. Dim. are 24" x 24" x 12" high. Different hat sections (coil core dimension) can be provided as well as a centering hub for cable coiled on a reel.
- The **RB-502** is a receiving bin constructed of heavy steel. Dim. are 30" x 30" x 30H on casters, 500 lbs. capacity.

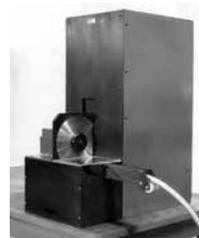


- The **PT-525** heavy duty pay-off table has a steel machine base with thrust ball bearings and air actuated brake. Capacity 500 lbs. This unit is custom built. Call for details.
- The **JC-530** Jib Crane is equipped with an electric hoist to lift and load the cable coils on the pay-off table. This device eliminates manual lifting of the coils and promotes safety.

- The **TT-535** heavy-duty turntable is designed to receive a pallet of cable coils. This unit can be used in conjunction with the Jib-Crane **JC-530**.



- **MD-540** is a vertical manual or motorized cable reeler-dereeler.
- **PD-545** is a variable speed cable dereeler with dancer to smoothly feed the Roto-Drive.



- The **AV-525** is an automated air actuated cable cutting saw. It is used in conjunction with our Roto-Drives for fully automatic or semi-automatic operation. It can also be used as a stand alone unit with a foot switch.

### RD-505A-X

The unit is similar to the **RD-505A** but is equipped with a guillotine shear **GS-507** for flat ribbon cables. Capacity is 1/4 to 3-1/2" wide or wires up to #8 gauge. The **RD-505A-X** has front loading and adjustable guides. Minimum cut length is 2". All other technical data is the same as the **RD-505A**. A dereeler for flat ribbon cable **PS-508** can be furnished this machine.



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