



THE RC 2100 AUTOMATIC TAPE WINDER

The RC2100 automatically winds 5, 6, 7, and 8 track paper tapes on cardboard cores as fast as they are read by the RC2000 Paper Tape Reader. The winder can accommodate tape rolls of up to 20 cm in diameter (300 m in length) at a maximum winding speed of 5 meters/second.

Presence of Tape Controls Winding

A vacuum draws the tape in a loop toward the bottom of the chamber until it breaks a light beam striking a photo-resistor. This causes the motor to wind the tape until the presence of tape no longer is sensed, whereupon winding stops until the loop once more is long enough to break the beam and activate the motor.

RC 2100

SPECIFICATIONS

Simple Operation

1. Adjust the height of the winder to that of the reader if necessary by moving the bolts in the stand up or down.
2. Place a core on the hub in the center of the disc; the tape clip on the hub should be up.
3. Press the button in the upper left-hand corner to release the two moveable guides. (The four guides serve to keep the tape taut enough to ensure even winding).
4. Draw the leading end of the tape across the opening of the chamber, over the two stationary guides (under the two that are raised), and onto the core in a counter-clockwise direction, inserting it under the tape clip.
5. Turn the knob on the hub firmly in a clockwise direction to lock the tape and core in place.
6. Push the two moveable guides down in place over the tape. The RC2100 is ready to wind tape automatically from the reader.

Never push the guides down while tape breaks the light beam - this will cause the motor to run at full speed and may damage the tape.

7. To remove the tape, press the button that releases the two guides. Should they remain in place, the motor will run slowly to allow the trailing end of the tape to be wound onto the roll, which can then be unlocked by turning the knob counter-clockwise.

Automatic Safeguard

Should tape fill the chamber and activate the motor on account of tape breakage or some other malfunction, a timer will stop the motor automatically after one second to prevent damage to the tape. When the fault has been remedied, repeat operating steps 4, 5, and 6.

Width:	40.0 cm.
Depth:	26.0 cm.
Height:	76.3 cm.
Height with Stand:	94.2 cm (normal).
Weight:	38.5 kg.
Color:	green (housing), gray (front panel), black (stand).
Disc Diameter:	19.5 cm.
Hub Diameter:	50.5 mm.
Winding Speed:	5 meters (200") a second maximum.
Tape Widths:	equivalent to 5, 6, 7, and 8 tracks (1 ¹ / ₁₆ -1").
Tape Length:	300 m (1000').
Roll Diameter:	20 cm (8") maximum when wound on core.
Core Inner Diameter:	50.8+1.6 / - 0 mm (ISO Standard) or 51.0+1.0 / - 0 mm (DIN Standard).
Power Requirements:	50 Hz, 220 V AC ± 15%; other voltages optional.
Power Consumption:	90 W (standby), 120 W (manual wind), 280 W (automatic wind).