

Powered Payoff UniSpooler

Delicate Material Respooler



Showmark, LLC's Powered Payoff UniSpooler is ideal for fine or delicate materials that need to be wound at low tensions from a heavy supply spool onto new spools with neat and even layers. The tabletop machine combines a motor assisted payoff with a take-up section that drives through a smooth turning electronic slip system. The material is pulled from the driven supply spool with a desired tension. The take-up section synchronizes with the rate from the supply and automatically stops at a desired length with approximately .6% accuracy.

Typical Specifications

- The winding speed is adjustable from 0-700rpm. The actual useable speed may be slower than this.
- A traversing wire guide head is synchronized with the motion of the take-up spool to produce even layers of material on the take-up spool.
- The winding pitch is adjustable from approximately .38 – 3.8mm (.014-.150 inches). Other ranges are available.
- The system maintains tension within a range of 34 – 900 grams (.076 – 2lb) based on a 125mm nominal diameter take-up spool. Other ranges are available. The setting is controlled by a potentiometer on the control panel.
- The machine has a 30mm diameter payoff shaft. A Universal Spool Lock Hub System allows spools having a bore diameter from 36-88mm (1.41 – 3.46 inches) to be mounted on the payoff shaft. No tools are needed. Spool flange diameters up to 400mm (16 inches) can be mounted. The maximum suggested payoff spool weight is 50Kg (110 pounds).
- The machine has a 15mm diameter take-up shaft. A Universal Spool Lock Hub System allows spools having a bore diameter from 17-53mm (.67-2.08 inches) to be mounted on the take-up shaft. No tools are needed. Spool flange diameters up to 300mm (12 inches) can be mounted on the take-up.
- All contact surfaces are low friction 125mm diameter guide wheels.
- Power: 220VAC, 3 phase @ 60Hz
- Dimensions: 153.7 x 61.9 x 64.0cm (60.5 x 24.3 x 25.2 inches)

