



Engineered for Reliability and Durability

The MT-35 Tape-and-Reel System is ideally suited for packaging of surface mount components in a demanding production environment. The system handles a wide range of tape sizes and accommodates both heat sealable and pressure sensitive (PSA) tape. The MT-35 is the perfect solution for high-mix, small lot packaging or as back-up for any high speed automatic tape & reel production equipment.

The highest process reliability and consistency are combined with a touch-screen control panel and ergonomic layout to make the MT-35 an extremely production-worthy, user friendly machine. The operator loads components into tape by hand or with the built-in vacuum wand while utilizing the footswitch to smoothly advance the tape. Optical sensing counts the parts to your preset value, and insures that every pocket in your production run is full.

The MT-35 utilizes the same advanced-design sealing module found in all of RVSI/Systemation's high throughput automatic systems. The sealing module features independent floating seal shoes with individual pressure and temperature regulation for each shoe. This assures a uniform, continuous seal, exceeding EIA- 481 standards.

The MT-35 hi-res micro stepper tape drive can operate in either **continuous feed mode** for standard manual loading — or in **indexing mode** to accommodate a vision inspection camera or automation of the tape loading process.



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Advanced multi-mode sealing station with dual pressure and temperature controls.



Unique, quick change cover tape guide makes it easy to change tape sizes without the need for additional tooling.



Touch screen control panel with fault condition display.

MT-35 Features

Compact LED Task Lamp eliminates the need for bulb replacement, and provides bright, pleasant light directly on the work area. A friction hinge allows angle adjustment. The unit runs off MT-35 power, uses just 3.6 watts and provides 30,000 hours of lamp life.



- ◆ Touch screen control makes set-up and operation easy while providing real time display of production count and machine status.
- ◆ Reliable missing parts detection guarantees that every pocket in a production run is full.
- ◆ Tape may be advanced by either foot switch or control-screen pushbutton.
- ◆ Static dissipative, nickel plated tooling protects semiconductors from ESD damage.
- ◆ Motorized take-up reel with one-way bearing eliminates "tape droop" and jerking when the system is powered off, and re-started.
- ◆ Tape motion can be selected as either continuous for manual loading, or indexing for vision inspection or automated loading.
- ◆ Incoming air pressure regulation is built-in along with low pressure sensing to avoid production losses due to pressure-related seal problems.
- ◆ Built in micrometers provide accurate positioning of sealing blades on the tape flanges.
- ◆ Adjustable input spindle accommodates wide, level wound reels without a tooling change.
- ◆ All stainless steel shrouding helps maintain a clean working environment.



Independent pressure and temperature control for each seal shoe for excellent front to back seal symmetry.



Optional de-tape module removes old cover tape from a finished reel and simultaneously applies a new cover tape without a reduction in throughput.



Safety power lockout via key switch when power resumes after power loss or operator shut down.

- ◆ Tape Size/Type: 8-72 mm, heat sealable and pressure sensitive (PSA) tapes.
- ◆ Maximum Pocket Depth: 1" (25 mm).
- ◆ Operator Console: 6" (152 mm) touch screen.
- ◆ Tape Drive: High Resolution Micro-Stepper.
- ◆ Staging Plate: 13" x 7" (325 x 175 mm)
- ◆ Input Reel: 24" (610 mm) max. diameter, including wide, level wound reels.
- ◆ Output Reel: 24" (610 mm) max. diameter.
- ◆ Utilities: 115 VAC, 50/60 HZ, 6 amp max., (230 VAC optional), 50-80 PSI clean air.
- ◆ Footprint: 34" l. x 17" w. x 20" h. not including reel arms (860 x 380 x 508 mm).
- ◆ Weight: 130 lbs. (59Kg).