

# AT-35 / AT-35-S Tape & Reel Modules for Integration



## Tape and Reel for Automated Systems

The AT-35 is specifically designed for integration into automated equipment such as systems for programming, inspection, testing, marking, singulation, dispensing, die handling, media transfer (tray/tube- to- tape) or any system that requires Tape & Reel as the final process step.

Engineered for high reliability and long operating life at high production levels, using proven techniques employed in hundreds of tape/reel machines worldwide.

Features:

- ◆ Pocket to pocket indexing of the tape with precise stop locations.
- ◆ Layout provides clearance for pick/place from front and rear. 3-D layout drawings available on request.
- ◆ Pocket count for tape leader, trailer and production run can be remotely controlled by user.
- ◆ Supply reel may be mounted as integral to the system—or —may be user mounted to accommodate clearances in the overall system layout.
- ◆ Dual sealing modes provide assurance of an accurate seal on virtually any combination of carrier and cover tape.
- ◆ Seals either heat seal or PSA (pressure sensitive) tapes.
- ◆ Color touch screen HMI setup panel and straightforward “handshake” interface for easy integration into larger control systems.

**APT Automation LLC** **APT**



Advanced multi-mode sealing station seals thermal or PSA tapes.



, Quick change cover tape guide makes tape size change easy. No tooling change needed.

## AT-35 Tape & Reel

Touch screen HMI control panel makes set-up and operation easy while providing real time display of process parameters and machine status.

The AT-35 may also be operated manually, via footswitch, for testing and set-up purposes or for short runs when automated loading is not available (optional).



Incoming air pressure regulation is built-in along with low pressure sensing and alarming to avoid production loss due to pressure-related seal problems.

Motorized take-up reel with one-way bearing eliminates "tape droop" and jerking when system is powered off and re-started.



Micro-stepping "smart" drive motor assures precision control of pocket positions for automated loading.



Built-in micrometers provide accurate positioning of sealing blades on tape flanges.



Reliable missing parts detection via optical sensing guarantees that every pocket in a production run is full. (OPTIONAL)

Adequate clearance from both front and rear provides access flexibility for nearly any pick/place mechanism.



High quality components and neat, clean assembly procedures assure long life at high duty cycle while minimizing maintenance.



- ◆ Tape Size/Type: 8-72 mm, heat sealable and pressure sensitive (PSA) tapes.
- ◆ Maximum Pocket Depth: 1" (25 mm).
- ◆ Operator Console: 6" (152 mm) color touch screen.
- ◆ Tape Drive: High Resolution Micro-Stepper
- ◆ Shrouding: All stainless steel for a clean work environment and protection from ESD damage to components.

- ◆ 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).
- ◆ Net weight: 110 lbs. (50 Kg)