



## QMT 1500

### Maximum Flexibility Is Certain With Q-Corporation's QMT-1500

The QMT-1500 is sophisticated yet simple. Menu program all functions including heat and seal shoe pressure, leader and tail tape lengths, motor and acceleration speeds, as well as counting the number of parts in a run and any empty pockets.

Heat and shoe pressure are independently programmable. A warning signal alerts to an empty pocket. Swing away optics make filling the empty pocket quick and easy. Because the machine smoothly accelerates to speed, small parts aren't jostled from tape.

#### The QMT-1500 offers...

- Manual unit easily upgrades to stack tube feed or vibratory bowl feeder
- Accepts all surface mount tape sizes, from 8 to 56mm - tape changes take two minutes or less
- No tooling changes between tape sizes
- Independently controlled heat and shoe pressure
- Large 520 sq. in. work area
- 23 inches of exposed pockets
- Programmable leader and tail lengths
- "PSA" option for Pressure Sensitive Tapes
- ESD Safe
- Virtually maintenance free
- Continuous or foot feed operation
- Simple menu set-up
- Program to count parts or empty pockets
- Empty pocket detection alarm sounds, machine stops, and optics swing away for easy empty pocket fill
- Adjustable motor speed and acceleration, for smooth operation and no jostling of parts

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#### QMT-1500 Options and Modules

##### The QMT-1500 provides maximum flexibility

The manual feed system is easily upgraded to an automatic tube feed or bowl feed system.



**Stack Tube Feed Modul**



**Bowl Feed Module**



- Adjusts to accommodate all tube sizes
- Room for 8 inches of tubes
- Large empty tube storage
- Easy load design
- Q's pick and place unit has rotational option
- Acceleration and speed settings allow for very small parts
- Embedded DOS computer provides handler capabilities
- Rotational (Theta Axis) option
- Easy set-up
- Contactors available

### Tray Feed Attachment

The versatility of the QMT-1500 lends itself to a variety of options including our Tray Feed Attachment. The Tray Feed Attachment allows for loading up to (10) ten JEDEC trays, automatically ejecting the empty trays. Set-up procedures permit exact horizontal and vertical position in the pocket. Precision placement over the carrier tape preserves lead integrity. Vacuum and optical sensing in critical areas creates a "Closed Loop" effect to maximize throughput. Any partial tray is searched by the vacuum tip; if no part is present, it simply goes to the next position continuing the search.

Full intrusion guarding protects product and operator from harm. All QMT-1500 specifications apply for this option.

### Vision System

The QMT-1500 provides maximum flexibility. The manual feed system is easily upgraded to an automatic tube feed, bowl feed or vision system (shown to the right).



SPECIFICATION	
Tape Sizes	Adjustable: 8 to 56mm
Tape Type	Embossed plastic
Seal Type	Heat Activated or Pressure Sensitive Adhesive
Component Types	All types SMD and others
Electrical	115 VAC 60Hz
Air	95 PSI, 1-3 CFM, depending on options
Length	75 inches
Width	24 inches
Height	24 inches
Weight	125 lbs.
Thruput	1000-?000 pph manual (operator dependent), 3000-6000 pph auto (part dependent)
Leader Length	User selectable
Trailer Length	User selectable
Component Count	Ascending or descending
Empty Pocket	Alarm on/off selectable
Component Pitch	Selectable; 4-56 mm
Tape Drive Speed	Selectable
Seal Time	Selectable
Seal Temperature	Selectable
ision Inspection	Selectable
Contact Inspection	Selectable



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