Horizontal Tube Feeder (HTF)

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The **Horizontal Stacked Tube Feeders (HTFs)** are high-volume, high-speed component feeding systems.

The HTF feeds components such as connectors, relays, coils, power transistors, and other odd form components packaged in plastic extruded magazines/tubes to robotic cells and flexible placement machines.

Tubes of components are stacked in the feeder's tube handling hopper.

A "pusher" tape pushes components from the bottom tube and onto a track leading to the pick point.

Whenever a component is picked, the pusher tape advances the column of components until the lead component is in the pick position.

Whenever the bottom tube is empty, the tape retracts, the empty tube falls down from the feeder.

During this time the remaining components which are still in the track of the feeder will be pushed forward by air pressure, so there is no interruption in the feeding process. The next tube falls down and the process continues with the next tube.

Since the components only must be pushed the length of a component, the cycle time is very short.

The feeder can handle components from 5 mm to 53mm width and from 5mm to 45 mm height.

Features:

- Ideal for feeding a wide variety of component packages.
- Dispenses components from their shipping tubes.
- Continuous feeding. Automatically changes tubes when one becomes empty.
- Handles a large inventory of components. Full tubes of components can be added to the top of the stack at any time.
- Ideal for use with components that cannot be gravity fed because they are unstable for gravity feeding.
- Short cycle time ensures fast pick and place.
- Your investment in feeders is protected from obsolescence. Whenever your product design changes or new products are developed, feeders can be inexpensively converted to feed the new component.
- Control and communication by Programmable Logic Controller.
- Intuitive, informative Touch Screen Display panel provides all control functions for the operator and complete trouble shooting functions for maintenance or machine repair.

Motor Drive:

Stepping Motor Drive provides a smooth, gentle drive that can be programmed to provide a precise push speed appropriate to the components being fed and maintain the quick retraction for tube exchange.

Pusher Tape:

The Pusher Tape has “infinite” life: 24/7 testing of the new Pusher Tape and attachment system for one year did not produce a failure. Thus far no tape failures have been reported from customers using this system.

Optional Features:

Optional features can be added upon request to meet the needs and convenience of the customer:

- Convertibility of Tracks for compatible components in tubes of the same length
- Track Air Jets for continuous feeding during the tube eject sequence
- Component lift at pick point
- Component rotation at pick point

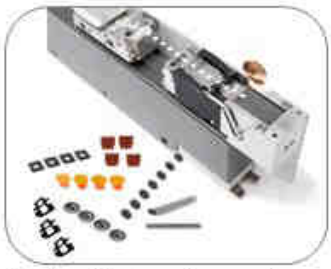
Host Machines

Fuji, ASMPT, Special Machines

Specifications

Pick & Place Manufacturers	ASMPT All models with S-Feeder Interface, X and SX series	Fuji All models with IP or NXT feeder interface
Max. Component Size	L: 2mm up, W:5-53 mm, H: 5-45 mm	
Max. Stack Size	Height - up to 410mm	
Air Connection	Any clean, dry, 60-90 PSI air source can be used.	AIM manifold or externally plumbed
Electrical Connection	Power Connector plugs into S- Table electrical power port X/SX Series with X adapter	Feeder cable plugs into Fuji feeder power port on IP interface
Mounting Width	89mm	

Our Product Portfolio



Label Feeder, also
for special parts

Label/ Laser Marker
and labels

Tape Feeder
and accessories

Tray Handler /
Reject Parts Conveyor

Manual
Taping Systems

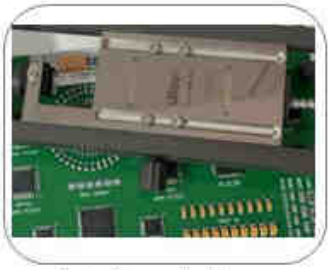
Horizontal
Tube Feeders

Optical Bonding

Thermal Bonding

Place-N-Bond
Underfilm

Univers. In-System
Programmers



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