

ETF Tape Feeders

Reliable component feeding is a critically important function in any placement machine. Applying over a decade of experience, Contact engineers have designed the electronic tape feeders with reliability as a top priority. Incorporating useful features such as electronic communication, the ETF feeders provide the latest technology available.

One Piece Body

The ETF tape feeders are all constructed on a rigid, one piece body made from precision milled aluminum. This assures long term durability and accuracy.



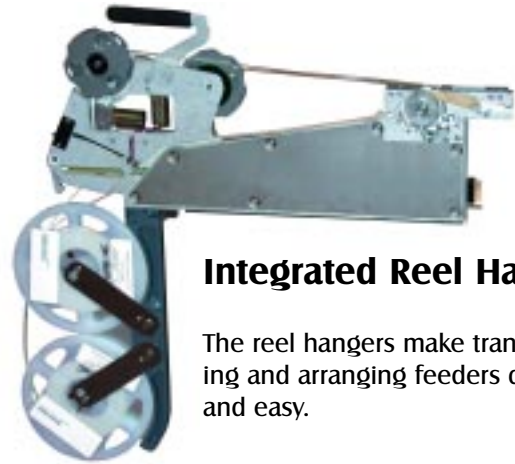
Servo Controlled

The unique servo driven sprocket drive provides smooth accurate tape indexing—crucial for 0402 and smaller components.



Programmable Pitch

When a reel is loaded onto the feeder, the reel I.D. is selected from the data base and the component pitch is set automatically.

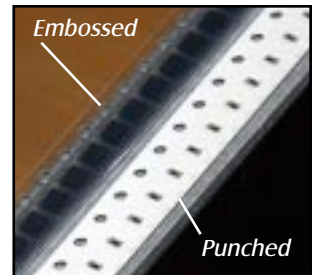


Integrated Reel Hanger

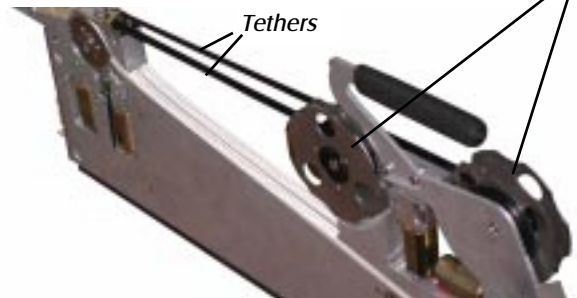
The reel hangers make transporting and arranging feeders quick and easy.

Runs Any Tape

All tape feeders can handle either embossed plastic, or punched paper tapes with no adjustments required.



The Take Up Reels on the Dual 8mm Feeder



Take Up Reels with Tether

Each take up reel has a tether which requires only an inch of cover tape, reducing component waste. The cover tape is fastened to the tether clip quickly and easily.

Connections

The tape feeders require no cables or hoses to attach.

Power and communication are transferred through pins on the front of the feeder that mate with the ports on the feeder bank.



Eliminate Kitting Errors

When a component reel is loaded onto a feeder, the reel ID number is entered or bar coded into the data base. When the feeder is mounted on the machine, its component I.D. is recognized. Thus the machine knows what location the component is at on the feeder bank, thereby eliminating any possibility of picking the wrong component. This feature also quickens set up time because feeders can be placed anywhere on the feeder banks. The machine recognizes their locations and adjusts the pick program accordingly.

Offline Feeder Programming

The tape feeders can be programmed offline on the Feeder Programming Station. Offline programming enables users to setup feeders without interrupting production on the C5. The programming station consists of a feeder loading fixture connected to a PC in network with the data base. When a feeder is mounted on the fixture, the feeder's I.D. number is read from the memory chip. The current data for the feeder can then be accessed from the data base. When components are added or removed from feeders, the user easily updates the data base using the Inventory application on the PC. To further streamline the process, the optional barcode printer and scanner allows the user to label the component packaging and quickly update the data base by scanning in barcodes.



Above: The Offline Feeder Programming Station complete with barcode printer and scanner. Inset: The Feeder Loading Fixture. (Bench not included)

On Line Inventory

While on the machine, every feeder is constantly monitored by the inventory data base. Useful information such as on line inventory and component traceability is readily available at remote locations.

TAPE FEEDER ORDERING GUIDE

Part No.	Feeder Size	Feeder Slots
ETF8D ¹	Dual 8mm Tape Feeder	1
ETF12SS	12mm Single Slot Tape Feeder	1
ETF12-32 ²	12 thru 32mm Tape Feeder	2
ETF44	44mm Tape Feeder	3
ETF56	56mm Tape Feeder	4

¹ Available with large reel holder (part # ETF8D-LR). Holds two 360mm reels.

² The 12-32mm feeder can accept four sizes of tapes with a simple adjustment.

12/32mm Feeders

The 12-32mm feeder accepts four tape sizes (12, 16, 24, and 32mm). To change tape sizes, simply make a quick adjustment to the tape guide at the front of the feeder.

