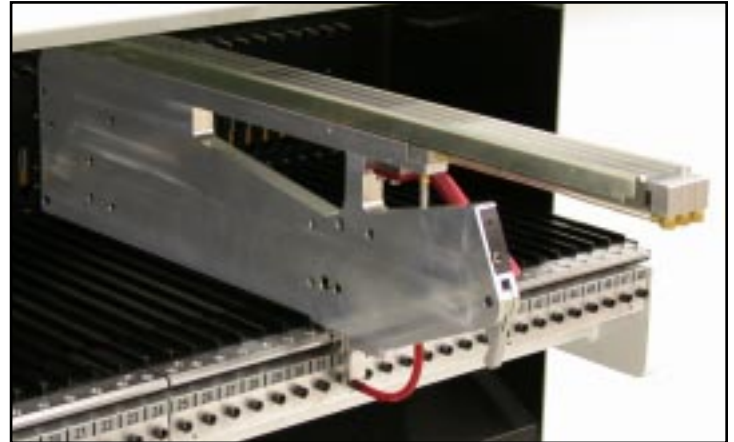


# Air Track Stick Feeders

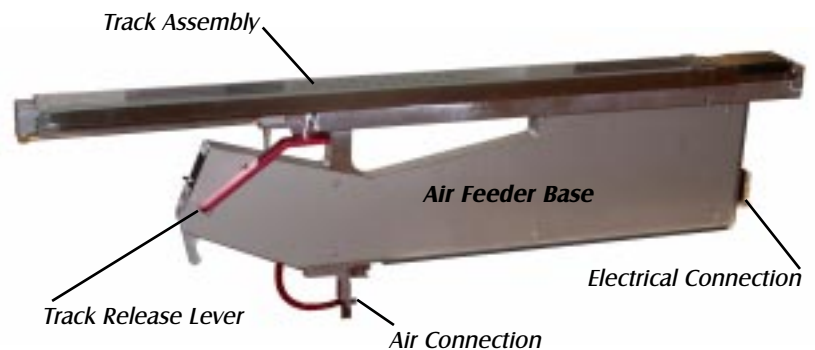
## The C Series Air Track Stick Feeders

Vibratory feeding of stick components is a chronic problem in the pick and place process because vibrate feeders require constant "tweaking", and are basically unreliable. Applying over a decade of experience Contact engineers have designed a stick feeder which uses a small amount of compressed air to move components in the track. Air power requires no "tweaking" and provides consistent, reliable component feeding. The Contact air track feeders are only 40mm wide and take only two feeder slots. A variety of tracks are available for most common components supplied in sticks.



## The EAFB Electronic Air Feeder Base

The EAFB base plugs into the feeder bank connecting both air and electrical functions. No wires or air hoses are required. On command from the machine the base turns air on and off for each pick up cycle.



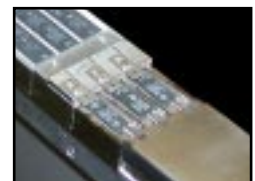
*Track are easily removed and replaced while on the machine*

## Track Assemblies

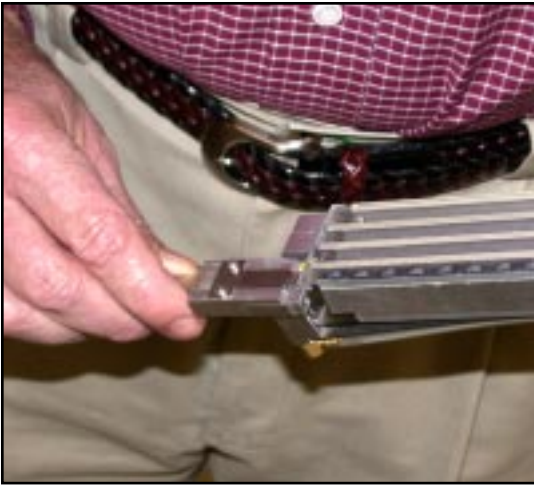
The track assembly is mounted onto the base. There are currently 21 track assemblies which have between 1 and 4 lanes per track. Each track assembly is 40 mm wide and takes two feeder slots. A shutter closes when the air advances the components and when the track assembly is removed from the base to prevent component spillage.



*Shutter Closed*



*Shutter Open*



## Stick Adapters

The adapter mounts on the stick and is used for loading and unloading components from the track assembly. One adapter is included with each track assembly.



## Loading and Unloading

Components are easily poured into and out of the track assembly. To replenish components on the machine, a tube of components can be blown into a lane using an air hose or a can of compressed air. Or a complete preloaded track assembly can be exchanged on the base while it is on the machine.

## Eliminate Kitting Errors

When a stick of components is poured into the track assembly the component part number (or package ID) is entered or bar coded into the data base. When the track assembly is mounted on the machine it's 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.

## AIR TRACK FEEDER ORDERING GUIDE

EAFB - Electronic Air Feeder Base

### Interchangeable Tracks

<u>PART #</u>	<u>LANES PER TRACK</u>	<u>LANE WIDTH</u>	<u>LANE HEIGHT</u>
<b>SOL16-40</b>	3	10.8mm	2.8mm
<b>SO8-16</b>	4	6.4mm	2.0mm
<b>PLCC20</b>	3	10.3mm	4.8mm
<b>PLCC20-SOC</b>	2	15.7mm	5.5mm
<b>PLCC28-32</b>	2	12.8mm	4.8mm
<b>PLCC28-32-SOC</b>	1	18.3mm	5.5mm
<b>PLCC44</b>	1	17.9mm	4.8mm
<b>PLCC44-SOC</b>	1	23.4mm	5.5mm
<b>PLCC52</b>	1	20.4mm	4.8mm
<b>PLCC52-SOC</b>	1	25.9mm	5.5mm
<b>PLCC68</b>	1	25.5mm	4.8mm
<b>PLCC68-SOC</b>	1	31.2mm	5.5mm
<b>PLCC84</b>	1	30.6mm	4.8mm
<b>PLCC84-SOC</b>	1	8.9mm	4.0mm
<b>SOJ16-32/300</b>	3	36.1mm	5.5mm
<b>SOJ14-42/400</b>	2	11.4mm	4.3mm
<b>SOM8-24</b>	4	8.2mm	2.7mm
<b>SOW24-36</b>	2	12.5mm	3.0mm
<b>SOY28-44</b>	2	14.6mm	2.8mm
<b>D2PAK</b>	2	15.7mm	5.0mm
<b>DPAK</b>	3	10.4mm	3.0mm