

# AT-1045 FP



## Features

- Restores lead alignment and standoff
- Accommodates a wide range of lead counts (within the same package size and lead pitch)
- Tooling kits available for SOIC, QSOP, SSOP, TSSOP
- Single track design insures reliable operation
- Single tube input with buffer track and dual tube output provides for continuous operation
- Configurable for handling MSOP, TO-220 and extra long lead SO packages

## SOP Lead Conditioning System

ATM's AT-1045 FP SOP Lead Conditioning system provides pin-to-pin straightening and coplanarity correction in a table-top size system. The system restores lead alignment to within 0.003 inches and standoff height to within 0.0015 inches for a wide range of SOP packages. Tooling is available for SOIC, QSOP, SSOP and TSSOP packages. MSOP and TO-220 capability is available as an option.

The system is equipped with a 5 inch buffer on the infeed and a two tube output on the outfeed to provide for continuous operation. A single, uninterrupted track guides the parts through the lead alignment and coplanarity correction stations. The track is equipped with deshingling capability to eliminate feeding problems due to mold flash.

The AT-1045 FP can accommodate a wide range of lead counts within the same package size and lead pitch. Changeover kit installation for different package sizes and/or lead pitches take less than 15 minutes. Tube adapters at both the input and output are easily adjusted to accommodate differing tube dimensions..

# AT-1045 FP

## Device Types

**Standard Packages:** SOIC, QSOP, SSOP, TSOP, TSSOP from 0.150-0.450 in. (3.81mm-11.4mm) body width and 0.500 in (12.7mm) maximum body length

**Device Pitch:**

- 0.025 in, up to 56 leads with maximum 0.012 in. deviation
- 0.050 in, up to 32 leads with maximum 0.025 in. deviation
- 0.400 mm, up to 80 leads with maximum 0.200 mm deviation
- 0.500 mm, up to 80 leads with maximum 0.250 mm deviation
- 0.650 mm, up to 56 leads with maximum 0.300 mm deviation
- 0.800 mm, up to 50 leads with maximum 0.400 mm deviation

## Specifications

- Pin-to-Pin Sweep: +/- 0.003 in. (+/- 0.076 mm)
- Coplanarity: <0.0015 in. (0.038 mm)
- Body Standoff: 0.001 to 0.013 in. (0.02 to .33 mm) (micrometer adjustable)
- Throughput: 2800 pph
- Electrical: 115/230 VAC, 50/60 Hz, (User-selectable) 1.0/0.5 Amp
- Air: 85 psi CDA, 1 CFM
- Dimensions: 22" x 18"x 22" (high) (56 x 46 x 56 cm)
- Weight: 125 lbs (57 Kg)

## Options

- MSOP Capability
- TO-220 Capability
- Non-standard lead configurations and non-standard lead pitches available



**Control Panel:** Simply enter the number of leads per device and the number of components per tube to setup a run.



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