

ATS Series

Forms, Scans & Straightens



Features

- *In-line process forms, scans, straightens and sorts DIPs*
- *Accepts plastic, ceramic and size-brazed DIPs*
- *Straightens leads to within 0.005 - 0.010 inches of true position*
- *Forming station incorporates oscillating action to reduce lead spring back*
- *Dual tube input with three tube output for sorting*
- *Display verifies data entry and provides runtime parameters*
- *Simple setup and robust operation*

DIP Lead Conditioning System

The ATS Series Lead Condition systems form, scan, straighten and sort plastic, ceramic and side-brazed dips. Systems are available for processing 300, 400 and 600 Mil DIPs.

During operation, the operator inserts a DIP tube into the two tube input turret. The DIPs are gravity fed down the track to a forming station where the leads are reformed to the correct spread centers. The components then travel to a scanner station where sensors measure the sweep and spacing of the leads and determine pass, straighten or fail status for each DIP. Leads failing inspection, but considered reworkable are automatically positioned in the next station for straightening. Reconditioning occurs at this station without damage to the component's leads or package. Parts are then routed into one of three output tubes based on whether they passed inspection, failed inspection but were reconditioned or failed inspection without reconditioning.

The ATS Series Lead Conditioning systems are equipped with a highly functional and informative control panel for inputting process parameters and monitoring of process conditions. Totalizer counters, percentage of accepted and rejected product, unit calibration readings, tube output settings and error messages are all viewable on the control panel.

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Model Designations

<i>Model</i>	<i>Package Width</i>	<i>Package Length</i>
ATS-332-RDS	300 Mil Dips	Up to 32 leads
ATS-400-RDS	400 Mil Dips	Up to 32 leads
ATS-600-RDS	600 Mil Dips	Up to 40 leads

Specifications

- Scanner: +/- 0.0012 @ 0-.015 in. bend
(+/-0.030 @ 0-0.38 mm bend)
+/- 0.005 @ 0.016-0.05 in. bend
(+/-0.12 @ 0.40-1.2 mm bend)
- Straightening: 0.001-0.008 in. of true position
(0.02-0.20 mm)
- Process Capability: Accepts leads initially bent up
to 0.090 in. (2.3 mm) of true
position
- Lead Spread: Restores lead spread to 0° for
side-brazed, 3 ½° for plastic and
7° for ceramic DIPs
- Throughput: 6500 pph w/o straightening
2600 pph with straightening
- Electrical: 120/240 VAC, 50/60 Hz
(User-selectable) 1.0/0.5 Amps
- Air: 90-100 psi CDA, 1.9 SCFM
- Dimensions 19" x 27" x 26" (high)
(48 x 68 x 66 cm)
- Weight 95 lbs (43 Kg)



Keypad input with display for verifying data entry and providing production data (includes percentage of accepted and rejected DIP leads, calibration settings and error messages.)



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