



71 Daggett Drive
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Specification No. ATM-970821-DIP4

DIP Lead Former/Scanner/Straightener Systems

All models in this classification are of the same basic design, but are specific to the size and lead count of various DIP packages as defined below:

- ATS-332 RDS - for DIP 300 mil packages up to 32 pins
- ATS-432 RDS - for DIP 400 mil packages up to 32 pins
- ATS-652 RDS - for DIP 600 mil packages up to 52 pins
- ATS-750 RDS - for DIP 750 mil packages (0.070" centers) up to 64 pins

Specifications

Operating Capabilities

- Lead straightening: ± 0.005 - 0.010 inches from true position along 0.100 inches centers
- Lead spread: three preset locations via pinning as follows:
 - 0 degrees for side brazed
 - 3.5 degrees for PDIP's
 - 7.0 degrees for CERDIP's
- Maximum lead deformation: 0.090 inches from true position (on 0.100 inches centers)
- Lead tip scanning accuracy:
 - +/- 0.002 inches true position up to 0.015 inches bend range
 - +/- 0.005 inches true position up to 0.050 inches bend range
- Throughputs - scanning(0% straighten)/straightening(100% straighten)/typical(15%straighten):
 - ATS-332 RDS - 10,000/2,600/7,100 uph
 - ATS-432 RDS - 10,000/2,600/7,100 uph
 - ATS-652 RDS - 7,000/2,600/6,100 uph
 - ATS-750 RDS - 7,000/2,600/6,100 uph

Changeover time

< 1 minute for different lead counts on same package style

< 15 minutes for different package styles

Maintenance

Jam Rate 1 : 1 hour of operation

MTBA 1 : 5000 devices

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MTBF 1,000 hours (for non wear parts)

MTTR 15 minutes

MTTA <1 minute

uptime 97%

General

- Power requirements: 93 - 135 or 220 VAC, 50/60 Hz, 350 VA, single phase
- Air requirements: 1.9 SCFM (55 l/min) of dry, clean air at 85 - 100 PSI (6 - 7 bar)
- Weights:
 - ATS-332 RDS - 90 lbs. (41 kg)
 - ATS-432 RDS - 90 lbs. (41 kg)
 - ATS-652 RDS - 125 lbs. (57 kg)



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- ATS-750 RDS - 125 lbs. (57 kg)
- Dimensions (H x W x D):
- ATS-332 RDS - 24.0 x 19.0 x 25.0 inches (610 x 483 x 635 mm)
- ATS-432 RDS - 24.0 x 19.0 x 25.0 inches (610 x 483 x 635 mm)
- ATS-652 RDS - 27.0 x 19.0 x 27.0 inches (686 x 483 x 686 mm)
- ATS-750 RDS - 27.0 x 19.0 x 27.0 inches (686 x 483 x 686 mm)