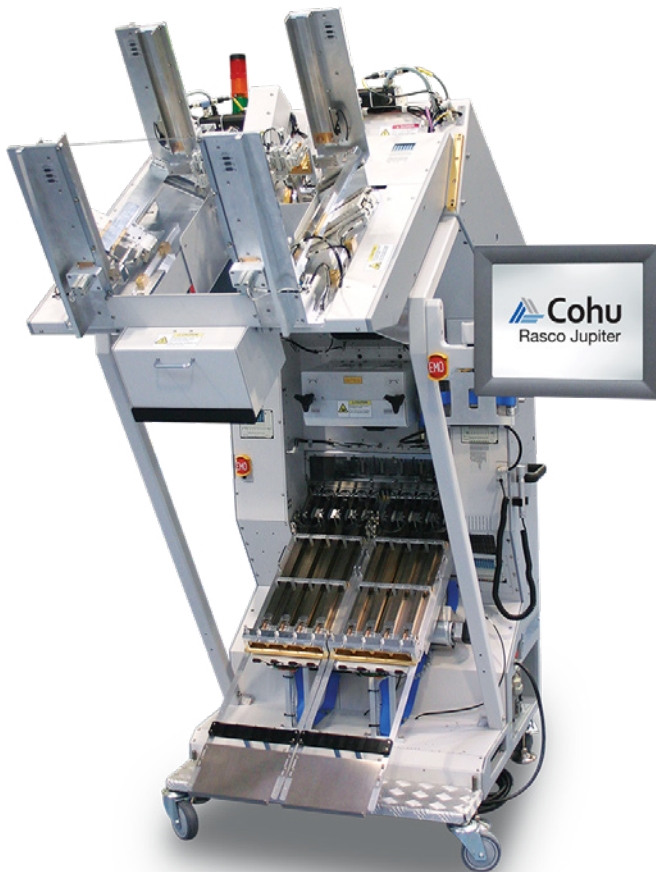


Jupiter

Configurable Gravity Handler for Large Devices



Automotive



Mobility



IoT/loV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

Productivity

- x1 to x8 test site parallelism
- Up to 16 tubes soak capacity
- Up to 8 tubes desoak capacity
- No subjective adjustments

Flexibility

- TO252 — TO220/263
- DIL300 — DIL1000
- Multiwatt — Flexiwatt
- Split kit capability
- Input and output module: Tube

- Full tri-temp range -60C° to +175°C
- Throughput up to 8,000 UPH

- Easy conversion in the field
- Various contactor and MEMS options

Jupiter

Configurable Gravity Handler for Large Devices

Specifications

Platform

Performance Characteristics

- Throughput standard kits¹: up to 8,000 UPH
- Index time (Jupiter plunger)²: down to 750 ms
- MTBF³: 500 hrs
- MTTR: 30 min
- MTBA⁴: 30 min
- Uptime: 95%

Jam Rates

- Down to 1:10,000 (under controlled conditions)

Temperature Characteristics

- Range: -60° to +160°C
- Extended version range (optional): -60° to +175°C
- Soak track accuracy: ±2°C
- Test site accuracy⁵: ±2°C
- Resolution: 0.1°C
- Stabilization time⁶: 60 min (max.)
- Guard band: down to ±0.1°C
- Soak capacity: up to 16 tubes
- Desoak Capacity: up to 8 tubes

Device Specifications

- Width: 300 mil⁸ to 1457 mil⁷
- Body length: 8 mm to 62 mm
- Body height: 2.3 mm to < 15 mm⁷

Input / Output Characteristics

- Input tube stack height⁹: 2 x 275 mm
- Output tube stack height⁹: 1 x 275 mm

Tube Characteristics

- Width of tube: 15.5 mm to 42 mm
- Length of tube: 450 mm to 600 mm
- Height of tube: 5 mm to 20 mm

1 Tube to tube, octal asynchronous
 2 Single mode
 3 Includes any required scheduled maintenance
 4 Depends on tube capacity, test modes and test time temperature characteristics
 5 Test site temperature accuracy can only be guaranteed with Cohu approved sockets
 6 Ambient (25°C) to set point
 7 Includes leads
 8 Body width
 9 Configuration with 2 loaders / 1 unloader
 10 3 x 16 A, 50 - 60 Hz
 11 Maximum consumption at hot and cold operation
 12 Air temp range +15°C to +40°C
 13 3 x 16 A, 50 - 60 Hz;
 14 Maximum consumption at hot and cold operation
 15 Air temp range +15°C to +40°C
 16 Includes signal tower
 17 Tube to tube configuration

Specifications subject to change without notice.
 For detailed performance specifications, please contact Cohu.

Facility Requirements

- Nominal supply voltage¹³: 208 - 230 VAC
- Air pressure: 5 bar (72 psi) to 9 bar (130 psi)
- Air consumption^{14, 15}: 400 l/min to 800 l/min
- CDA dew point: ≤ -70°C
- LN₂ pressure: 1.5 bar (22 psi) to 6 bar (86 psi)
- LN₂ consumption 22 l/hour

ESD Protection

- Field strength at device: 100 Volt (max)
- Ground strap jack: typ. 1 M-Ohm to ground
- Device path: conductive and grounded

Physical Dimensions

- Height¹⁶: 2,055 mm
- Width: 810 mm
- Depth: 1765 mm
- Weight¹⁷: 550 kg

Electrical Interface

TTL parallel standard, RS 232 standard, IEEE 488 optional, network standard, USB at OPI standard

Change Kit

Device Types

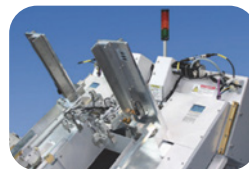
- Multiwatt, flexiwatt; SO 300 mil, 430 mil;
- SOJ 400 mil, 450 mil; PLCC typical 20 - 84 leads;
- TO 220 mil, 252 mil, 263 mil; DIL/DIP 300 mil - 1000 mil
- Conversion kits for other packages on request.

Kit Changeover

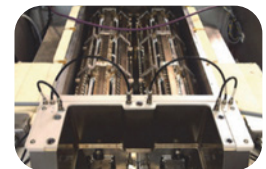
- < 4h typical

Contactors

- Smart power, analog, RF, mixed signal



Input option: auto tube loader



Soak chamber



Contactor 1x4



Jupiter plunger 1x4