

MT9928 xm

Modular High Speed Gravity Handler



Productivity

- 28,000 UPH
- Up to x8 test site parallelism
- Various contact side modes available
- Highest productivity

Flexibility

- MSOP 118 mil to SO 430 mil
- QFN 2 mm to QFN 11 mm
- Supports lead pitch down to 0.4 mm
- Input and output: Tube, Metal Magazine and Bowl/Bulk
- Fast kit conversion
- Free contact site mapping



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

- Full tri-temp range -55°C to +175°C
- Temperature accuracy +/- 2°C
- Installed base >1,300
- MEMS stimuli available
- Modular and scalable base unit – engineering to HVM
- Contacting: standard, high frequency and Kelvin

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Specification

Platform

Performance Characteristics

- Throughput up to 28,000 UPH
- Index Time:
 - Single STD cassette: down to 550 ms
 - Dual STD cassette: down to 1,000 ms
 - Single VAC cassette: down to 800 ms
 - Dual VAC cassette: down to 1,200 ms

Jam Rates

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

Temperature Characteristics

- Temperature range: ambient to +155 °C; -55 °C to +155 °C; extended range +175°C (optional)
- Test Site Accuracy: +/- 2°C for STD application; +/- 5°C for PTB application
- Test Site Stability: +/- 0.5°C
- Soak capacity: 4 x 460 mm

Input / Output Characteristics

- Various versions of input- / output modules
- Input tube: stack height 370 mm
- Input metal magazine: stack height 180 mm
- Input bowl: capacity 0.4 liter
- Output tube: stack height 370 mm
- Output metal magazine: stack height 180 mm
- Output bulk: capacity up to 4 x 0.66 liter
- Tubes spec: 170 mm to 560 mm, max. 20 mm width, 8 mm height
- Metal magazine: width up to 67 mm, length: 520 to 540 mm

Productivity

Available options (selection):

- Ground fault monitoring
- Tube color detection
- Secs/Gem interface
- Free contact site mapping

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

Facility Requirements

- Power supply (voltage/ phase)
- 230 V to 250 V, 50Hz/ 60Hz, 32 Amps, single phase
- 230 V/ 400 V, 50/60 Hz, 2x16 Amps, dual phase
- Power consumption: Max. 4 kW
- Compressed air supply: 6.0 bar to 9.0 bar
- Compressed air consumption: 300 to 660 l/min (depending on configuration)
- LN₂ supply: 0.9 bar to 6.0 bar
- LN₂ consumption: 17 l/ h max

Physical Dimensions

- Height incl. signal light: up to 2,320 mm
- For transport (without signal light: 1,940 mm)
- Width: 1,480 mm
- Depth: 1,105 mm
- Weight: typ. 635 kg

Electrical Interface

- TTL, RS 232
- IEEE 488 optional
- network standard

Change Kit

Device Types

- MSOP118, SO150, TSSOP173, SO209, SO300, SO330, SO430, QFN 2x2 to QFN 11x11, TSOT5, SOT223, TO252, DIL300, TO252l
- Other packages upon request

Device Specifications

- Leaded packages: SOT, SO, TO from 100 mil to 430 mil
- Leadless packages: DFN, QFN from 2 to 11 mm
- Device length: 2 mm to 21.3 mm
- Device height: down to 0.5 mm, up to 4.6 mm
- Lead pitch: down to 0.4 mm

Kit Changeover

- Mechanical package style conversion: takes typ. 1-2 hours (depending on skills and use of "fast conversion option")

Contactors

- Cohu offers contact sockets for all package versions and application, i.e. high frequency, high power, high voltage, Kelvin and MEMS test.