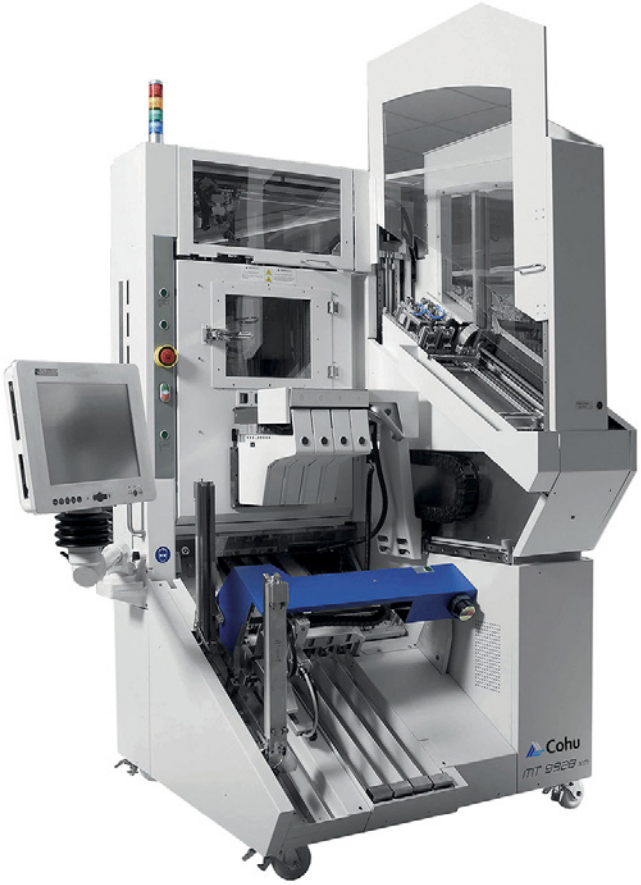
MT9928 xm

Modular High Speed Gravity Handler



Automotive


Mobility


IoT/IoV & Optoelectronics


Computing & Network


Industrial & Medical


Consumer

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

- **Full tri-temp range -55˚C to +175˚C**
- **Temperature accuracy +/- 2˚C**
- **Installed base >1,300**
- **Multiple 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

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.

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

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www.cohu.com/mt9928
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