DATAMAN

The World's Leading Device Programmers

Model 900 Series

The Model 900 Series is a versatile handler by Exatron which automates programming, marking and inspection of devices in tape, tube and JEDEC trays. Model 900 utilises the latest Dataman universal programmers to offer super-fast programming and support for over 52,000 (September 2013) devices.

Model 900 Series is a fast and flexible automated programming system built to meet the demands of small-to-medium volume production programming.

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Specification
Model 900 Series Handler
- Size: 44.5" x 67" x 32" (120cm x 170cm x 80cm) without taper
  44.5" x 67" x 61.5" (120cm x 170cm x 160cm) with taper (as shown)
- Weight: approx. 600lbs (272Kg)
- Power: 100-120 VAC 60Hz or 220-240 VAC 50Hz @ 240 Watts
- Air: 85 PSI @ 3 CFM clean, dry air
- Throughput: up to 4,000 UPH (units per hour), depending on options
- Device Size: 1.6 x 2.00mm to 75 x 75mm
- Placement Accuracy: +/- 0.002" (+/- 0.05mm)
- Placement Repeatability: +/- 0.002" (0.05mm)
- Placement Force: Up to 20lbs (10,000g) force with standard pickup heads
- CE marked

Positioning System
- X-Y Drive System: Servo motor-driven lead screws
- X-Y Axis Resolution: 0.002" (0.05mm)
- X-Y Axis Max. Velocity: 48"/sec (122cm/s)
- Z Drive System: Servo motor-driven lead screws (options up to 4 Z pickup heads)
- Z Axis Resolution: +/- 0.002" (0.05mm)
- Z Axis Repeatability: +/- 0.002" (0.05mm)
- Theta Drive System: Precision stepper motor driven
- Theta Axis Resolution: 0.1
- Theta Axis Repeatability: +/- 0.1

Input Tape Option
- Based on standard Hover Davis feeders
- Snaps on/off for easy loading

Features...

- Virtually "kit-less" - quick and easy changeover of Dataman socket adapters and pickup head tips
- 1,000 UPH (with 10 sec. program time)
- Moves 1 device at a time
- 4 programming sockets, expandable to 8 (requires longer gantry)
- 1 input/output JEDEC tray (up to 6 trays available)
- Optional tube and/or tape input/output
- Optional top and/or bottom-side vision
- Optional laser marking
- Dataman and Exatron software integrate seamlessly
- CE marked
- Small footprint

Output Tape Option

Model 202 Tape and Reel

- Tape width: 8mm-72mm

- Tape pitch: 2mm-72mm

- Output Reel size: 7", 13" or 22" (18cm, 33cm or 56cm)

- Carrier tape: all types

- Cover tape: PSA and thermal seal

- Built-in vision capability
  Pin 1 orientation
  Out of pocket, upside down, empty pocket

- PC-controlled parameters
  Total pockets filled
  Seal method, timing, and tape speed
  Leader/trailer pocket count
  Automatic tape alignment
  +/- 2 C seal temperature control

- Powered take up reel with slack/tension switch

- Innovative carrier tape guide block aligns cover and carrier tape. Perfect seal every time, guaranteed

Input/Output JEDEC Tray Option

- Contact Exatron, many input and output options available for devices in JEDEC trays

Input/Output Tube Option

- Contact Exatron, many input and output options available for devices in tubes

Machine Vision Options

Bottom-Side Vision

- Precision BGA, QFN, and leaded 3D inspections

- Economical 2D inspection

Top-Side Vision

- 1D or 2D barcode scanning on device and/or JEDEC trays

- Optical character verification

- Optical character recognition

Laser Marking Option

- Easily integrate a wide range of OEM laser markers - CO2, 532nm, 1064nm

- Mark in tray, no additional tooling required

- CDRH class 1 enclosures

- Contact Exatron for details

Serialization Option

- Internal electrical ID and external laser mark serialization

- Many variations, contact Exatron for details

Warranty and Support

- One year guarantee - One year parts and labor warranty, on the Model 900 Series handler
- Life-Time Technical Support – Model 900 technical support is available free via Dataman and Exatron websites and telephone helpdesk for life.
- Life-Time Software Updates – Model 900 software updates are available free via Dataman and Exatron websites for life.

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www.dataman.com

Available from...

09/13