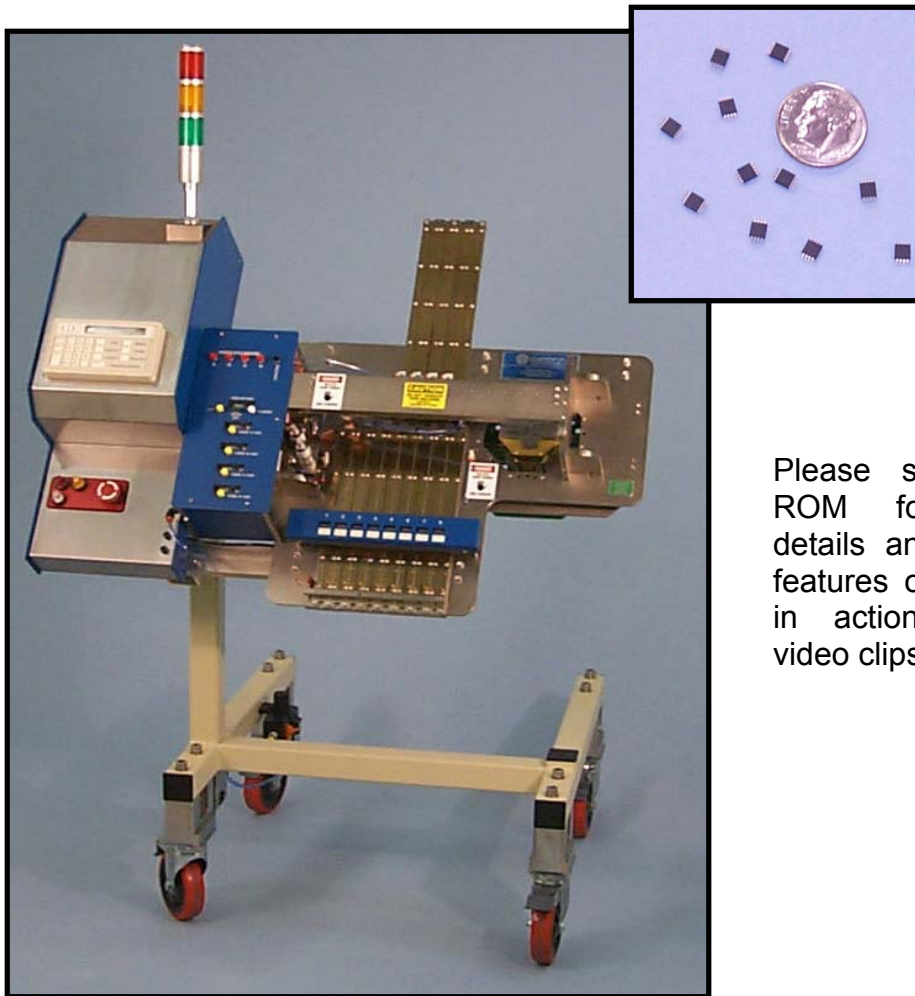# Type 6 MSOP
Test Handler for Very Small Parts

Please see our CD-ROM for additional details and the unique features of this handler in action with short video clips.

- For very small devices shipped in tubes
- Tray input and tray output change over kits
- Pick & Place index/test site/sort mechanism
- Unique built-in precisor for DUT to test site alignment
- Ideal for RF test and large test head docking
- Stand alone operation; no additional PC required
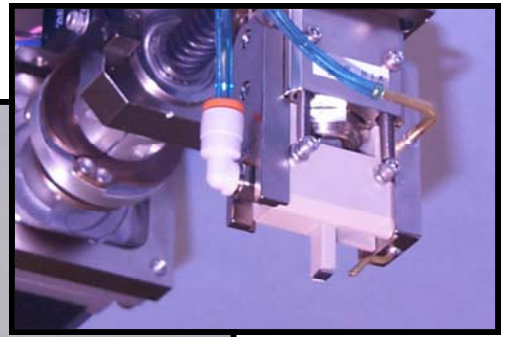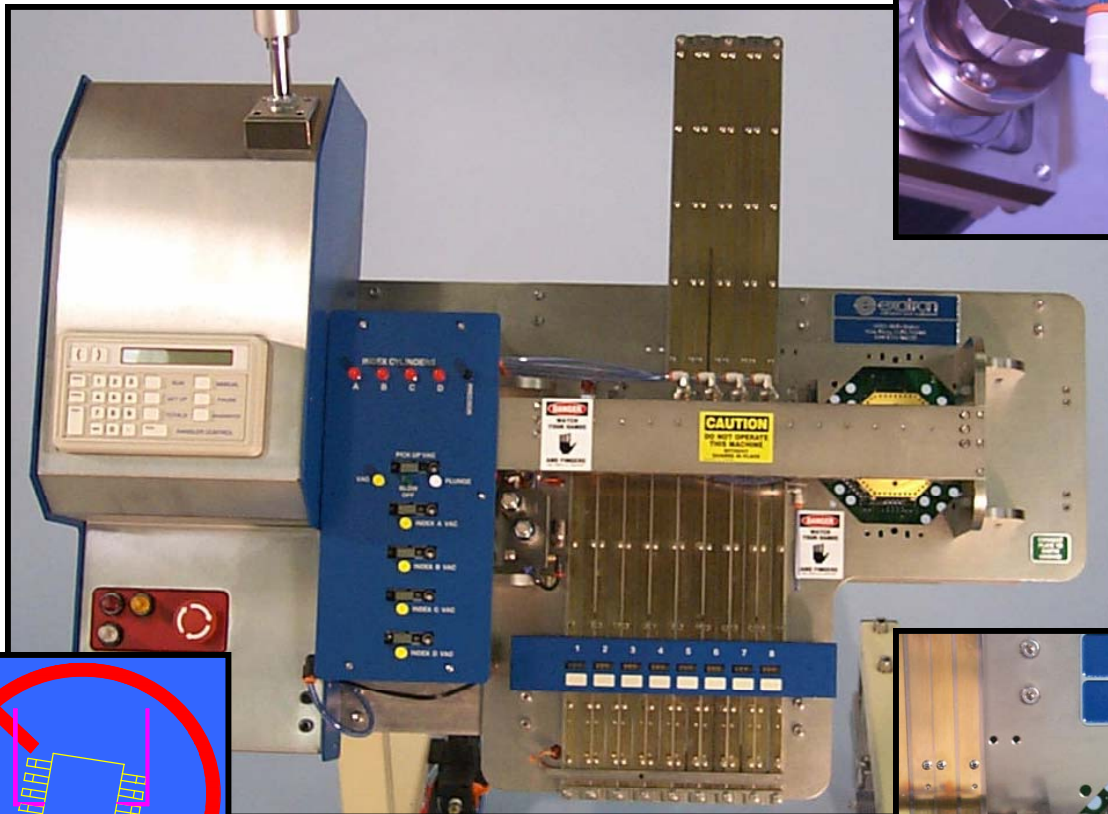
Note:
Safety cover
not shown
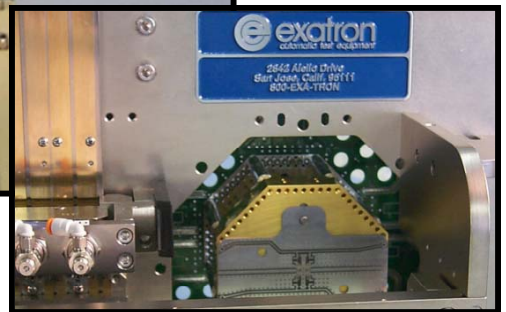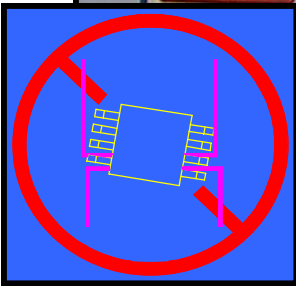
The Type 6 Handler is specifically designed for very small devices (DUTs) shipped in tubes. Through experience we have found that traditional gravity feed mechanisms do not work. The devices are loaded into a removal input tray. This tray holds 8 tubes of MSOP 8 pin devices in 4 lanes. The tray allows viewing of devices down its' entire length. Rotated devices can be spotted and removed with the input tray laying down flat on a table. The input tray snaps into position when being loaded into the handler. One of the unique features of this handler is there are no traditional places where DUTs fall from one track to the next. The DUTs are moved through the handler using traditional Pick & Place, not traditional Gravity Feed operation.

DUTs are indexed into a unique precisor that aligns the DUT regardless of plastic flash. Please see our CDROM for a video of the precisor in action. The DUT is then picked up and transported to the test site by a servomotor driven pick & place mechanism. The DUT is plunged to board at test and is in full view to allow precise DUT to contact alignment. A variety of test contacts, including Exatron's Particle Interconnect, are available. The handler's frame allows direct mechanical docking to many large RF test heads.

Once tested, the DUT is picked up and transported back to one of 8 output sorts. The output sort is also a removable tray. Each sort allows viewing of DUTs along its entire length. There is an individual total counter display for each sort. The operator holds an empty tube at the output of a full sort and pushes a button to allow the DUTs to fall into the tube as a group. This simple method creates far less "into tube jams" than other more complicated approaches.

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