



**CARTRIDGE FILLING SYSTEM**

Atlas is for adhesives, lubricants and other assembly fluids. Facilitates bottom-filling 2.5- to 32-oz. cartridges with consistent amounts of 2000 to 750K cps material. Is said to eliminate rework and product loss from filling cartridges with too much material. Features a compact, lightweight design that permits moving to different locations as needed; facilitates rapid product changeovers. Is easy to clean.

EFD

efd-inc.com



**01005 AOI SYSTEM**

S3088-III AOI features enlarged inspectable PCB dimensions and improved camera technology. Is for economical paste print or placement inspection, from prototype to large series. In high-resolution mode, reportedly detects defects on 01005 components. Revised PCB transport permits boards up to 20" x 20" to be inspected. Can be equipped for extreme cycle time requirements or heavier PCBs. Offers color evaluation for angled inspections. Comes with switchable resolution with the OnDemandHR function or integrated verification.

Viscom

viscom.com



**16-BIT DIGITAL MICROSCOPE**

VHX-600 Generation II features an increased brightness range of 65,536 levels. 3CCD color clarity has improved from 16 million to more than 2.8 trillion colors. Has high dynamic range function; graphic engine creates images in 16-bit gradation through the acquisition of RGB data from each pixel. The double'r automatic lens/zoom recognition system permits VHX to recognize in real time which lens is mounted to the camera, and also the current magnification being viewed. Calibration is automatically adjusted when magnification is changed.

Keyence Corp. of America

keyence.com

**OTHERS OF NOTE**

**JET PRINTER SOLDER PASTE**

Alpha JP-500 is a Pb-free no-clean solder paste developed for use in the Mydata MY-500 jet printer. Is zero-halogen and -halide material, with a wide reflow profile window for good solderability on various board/component finishes. Reportedly has good flux cosmetics after reflow soldering. Reduces random solder balling levels, and can be used for single- or double-reflow. Meets IPC-7095 Class III voiding performance. Does not require nitrogen.

Cookson Electronics

cooksonelectronics.com

**CLEANING VAPOR RECOVERY SYSTEMS**

Condenser and Demister are designed to recover exhaust vapors originating from automated cleaning processes without negatively affecting the operation of the associated equipment. Reduce VOC emissions. Condenser enables a maximum recovery of cleaning agent up to 85%. Can be applied in cleaning processes using Vigon and Atron products. Demister decreases evaporative losses, recovering up to 14% of the cleaning agent. Internal airflow design does not promote clogging. Does not require additional blower capacity.

Zestron

zestron.com

**DISPOSABLE FLUID PATH VALVE**

Tridak Model 826 pinch valve features adjustable suck-back control to provide clean shutoff for tacky, stringy materials; prevents material drool from forming at the dispense tip with low-viscosity fluids. Also features disposable fluid path technology, which protects fluids from contamination and air entrapment. Fluid tubing is replaceable, and comes in two sizes and a variety of materials. Is for all low-to-high viscosity materials, including those with stringy flow properties. Possesses flow control and an over-stroke adjustment; fluid deposits range from micro liter shots to continuous beads.

Tridak

tridak.com

**VAPOR PHASE CONFORMAL COATER**

Parylene Conformal Coating Machine 1092 uses vapor phase to transform coatings from solids. Is horizontal, stainless steel, and 8' long x 30" wide. Requires electrical power and a vent connection. Pumping section consists of cold trap and pump; separate controls for temperature and vacuum sensor.

Paratronic

paratronic.com

**DUAL-LANE AOI**

7K series handles large boards (up to 21" x 11") in each of the two lanes. Comes with P-Series acquisition heads, including i-LITE illumination system; uses VIT software suite. 3-D Selective AOI technology provides accurate tilt and coplanarity measurement of ICs, connectors and passives.

Vi Technology

vitechnology.com

**CIRCUIT FRAMES FOR PCB REPAIR**

Circuit frames for PCB repair can be custom laser-engraved to match the pads or trace areas requiring repair. The patterns on the frames can accommodate spaces/traces down to 0.025 mm. For SnPb or Pb-free processes. The cutouts replace elements on 1 oz. copper PCBs. Custom patterns can be laser-machined with lot sizes as low as one in a few business days.

BEST Inc.

solder.net