



X1412 Pneumatic Inker

High Speed Pneumatic Inking System for TSK Probers

The X1412 pneumatic inker is designed for the growing installed base of Tokyo Seimitsu APM90 and UF 200 probers around the world. The X1412 mounts in the existing inker mount and is ideal for high speed, off-line and post-probe inking.

The X1412 series offers outstanding, reliable performance and produces up to 12 dots per second. The X1412 incorporates the convenience of the DieMark™ cartridges with the dependability of a pneumatic controller for the ultimate inking solution.

Pneumatic inkers provide a non-invasive approach to marking by eliminating direct contact with the wafer surface. Ink is deposited via pneumatic actuation of the shuttle and a pulse of air into the cartridge reservoir. When the shuttle reaches full downward travel, a drop of ink is deposited on the wafer.

The pneumatic DieMark™ ink cartridges feature a Teflon tube inside of a stainless steel needle. When the cartridge is opened, the needle punctures the reservoir membrane to provide ink flow through the Teflon tube.

Unique Benefits

- ▶ The X1412's low profile makes it ideal for either overhead, or cabled-in testing applications
- ▶ Cartridge changing is a snap with the X1412's handy flip-up arm
- ▶ Precision alignment via X $\pm 0.125''$, Y $\pm 0.19''$ and Z $\pm 0.11''$ adjustment



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Key Features

- ▶ Programmable dot counter
- ▶ Automatic cartridge priming
- ▶ Dot range of 15-50 mil, depending on cartridge size
- ▶ Uses DM-2 or DM-2.3 disposable cartridges, pre-filled, factory tuned and available in A5, A6 and A8 sizes
- ▶ Available inks: Xandex Glycol Free 8103, 8104 Xandex black 7824, 7824T and Markem™ 6990, 6993 or 6997



Standard Pneumatic Controller