



X5100 Pneumatic Inker

High Volume Pneumatic Inking System for EG Horizon Probers

The X5100 series pneumatic inkers are designed for the Electroglas Horizon Series 4060, 4080 and 4090 probers. The X5100 inker mounts in the prober's optical bridge making it ideal for high speed, off-line and post-probe inking.

The X5100 series offers outstanding, reliable performance and produces up to 12 dots per second. The X5100 inkers incorporate 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 innovative X5100 micro-design allows the inker to mount in the prober's optical bridge with minimal protrusion above the ring carrier
- ▶ Providing excellent test head clearance, the X5100 is perfect for overhead testing applications



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Key Features

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



Standard Pneumatic Controller

