



Knowledge in Process

For Immediate Release

Speedline Awarded Patent for Camalot Dual Head Dispensing

FRANKLIN, MASS – January 10, 2011 – Speedline Technologies has been awarded a U.S. patent for its Camalot Dual Head Dispensing technology. The patent claims are based around detection of panel rotation and the ability of the system to automatically switch to an asynchronous dispense mode. This functionality ensures that both heads dispense accurately on PCBs within a skewed panel. As part of the “zero-defects” approach, Speedline has incorporated additional software routines with algorithms that confirm the dual pumps are pitched correctly and have identical flow rates.

The Camalot synchronous dispense mode has been field-proven in improving throughput by over 50% while mitigating the risk of poor yields/scrapped product often associated with simultaneous dispensing on multi-up circuits. This patent differentiates Camalot’s approach to dual head mode dispensing, combining “fail safe” technology with the award-winning, non-contact SmartStream™ pumps.

The patented Camalot Dual Head Synchronous Mode dispense option enables simultaneous underfill dispensing, and significantly reduces cost per dispensed unit by greatly improving throughput, repeatability, and dispense quality. The technology is available on the Camalot XyflexPro+ and FX-D dispense systems and may be retrofitted in the field.

To learn more about Speedline, visit www.speedlinetech.com.

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About Speedline Technologies

Speedline Technologies is the global leader in process knowledge, services and manufacture of capital equipment used in the printed circuit board assembly and semiconductor industries.

Based in Franklin, Massachusetts, USA, the company markets five best-in-class brands: Accel microelectronics cleaning equipment; Camalot dispensing systems; Electrovert wave soldering, reflow soldering and cleaning equipment; MPM stencil and screen printing systems; and Protect global services, support and training solutions.

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