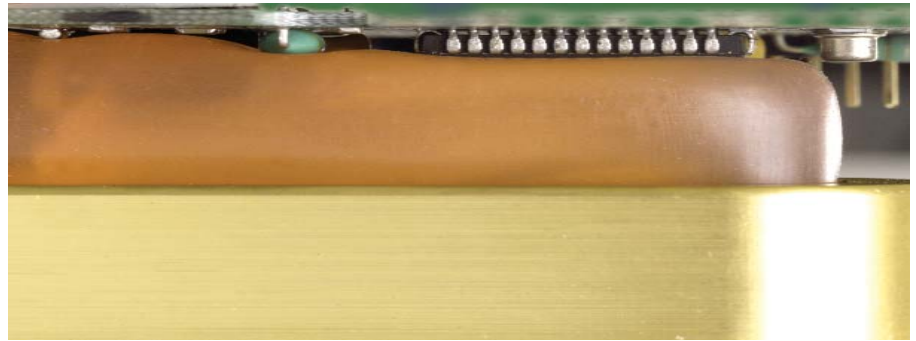


MPM®

Gel-Flex®

## Stress-Free Support Across the Board

A cost-effective, astonishingly simple solution that radically reduces changeover times in manufacturing double-sided boards.



Finally, there is a remarkably adaptable, simple, economical way to support double-sided printed circuit boards during the printing process. The revolutionary Gel-Flex conformal tooling solution offers non-automatic support without the need for dedicated work holders or complicated off-line pin systems. Ideal for high-mix manufacturers, Gel-Flex provides firm board support, combined with gentle, damage-free compliance to bottom side components and leads, without moving parts, air lines or wiring.

### The Industry's Best Results

- Increased uptime and minimal maintenance
- Fastest setups and changeovers, even with large, double-sided boards
- Improves yields by reducing component damage
- Easy to install, easy to operate
- Provides rapid return on investment (<3 months typical)

### Unique Design, Unique Features

- ESD-safe, compressible polyurethane elastomer gel provides gentle compliance with firm support across the entire board
- Elastomer membrane shells protect the board from solvent and printed medium contamination while increasing support durability
- Quick-position magnetic bases for fast, easy setup/changeover

#### WORLD HEADQUARTERS

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## Elegant in Simplicity, Powerful in Performance

There are only three simple steps to setup or changeover from one board to another. Since there are no pneumatic or mechanical connections, and precise positioning is not required even for dense/double-sided boards, changeover should be less than 60 seconds.

**Step 1:** Adjust conveyor to width of board (done during normal programming)

**Step 2:** Position Gel-Flex side supports along left and right edges of board

**Step 3:** Distribute Gel-Flex supports evenly under board surface



### GEL-FLEX SPECIFICATIONS

Minimum Board Thickness	1.27mm (0.050")
Maximum Board Thickness	12.7mm (0.500")*
Maximum Component Height	5.1mm (0.200")**
Maximum Component Density	Unlimited
Set Up Time	60 seconds or greater depending on configuration
Air/Power Requirements	None
Installation Requirements	None
Maintenance Requirements	Wipe with damp cloth as needed
Life Cycle of Gel-Flex	12 months or greater with proper use

\*Boards less than 1.27mm - 0.76mm (0.050" - 0.030") will require additional support pins

\*\*Component heights greater than 5.1mm (0.200") can be accommodated by locating the Gel-Flex support in positions that avoid these components.

#### ABOUT SPEEDLINE TECHNOLOGIES

Speedline Technologies is the global leader in process knowledge and expertise for the PCB assembly and semiconductor industries. Based in Franklin, Massachusetts, U.S.A., 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. For more information, visit us at [www.speedlinetech.com](http://www.speedlinetech.com).

Speedline Technologies maintains an ongoing program of product improvement that may affect design and/or price. We reserve the right to make these changes without prior notice or liability.