SENSIPRESS TECHNOLOGY

A SENSIBLE SOLUTION TO REDUCING PC BOARD DAMAGE DUE TO BENT PINS IN CONNECTOR PRESS FIT APPLICATIONS

SensiPress technology from TE Connectivity (TE) is designed to increase defect detection in connector press fit applications by reducing previously unaltered mechanical noise, thereby improving accuracy, reducing scrap and allowing for easier troubleshooting and maintenance.

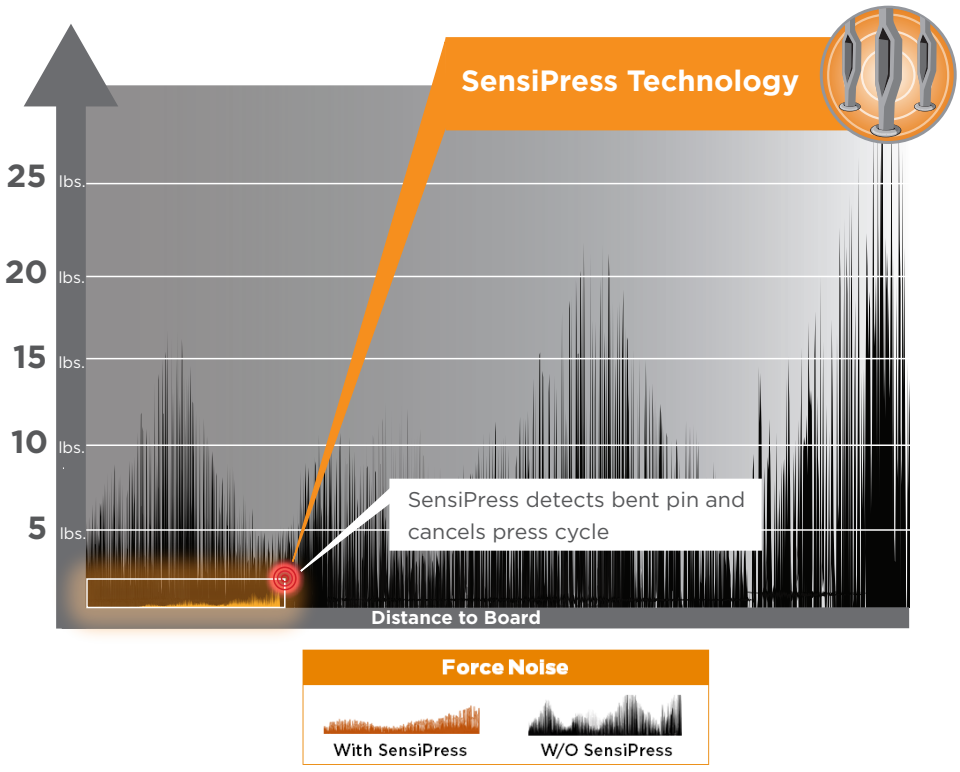
As the industry moves to high-performance connectors with higher pin densities and smaller pin tails, the ability to detect bent pins at the early stage of the pressing cycle is becoming increasingly more challenging. The high sensitivity measurement capabilities of SensiPress technology enables TE Connector Press Fit machines to more accurately measure press force and halt the seating cycle if it detects early contact with the tool, indicating that one or more pins are bent or out of alignment.

SensiPress Advantages

- **Higher force sensitivity:** The SensiPress solution significantly increases the force detection capability at the initial pin contact stage. In other words, it can increase your TE press-fit machine detection precision by 5X what is currently available in the market.
- **Thanks to its elegant design,** the new SensiPress technology helps TE's Press Fit machines operate at a higher performance level, all while using fewer load cells and less complexity, thereby decreasing troubleshooting, maintenance and set-up time.

Cut Through the Clutter for More Accurate Pin Detection

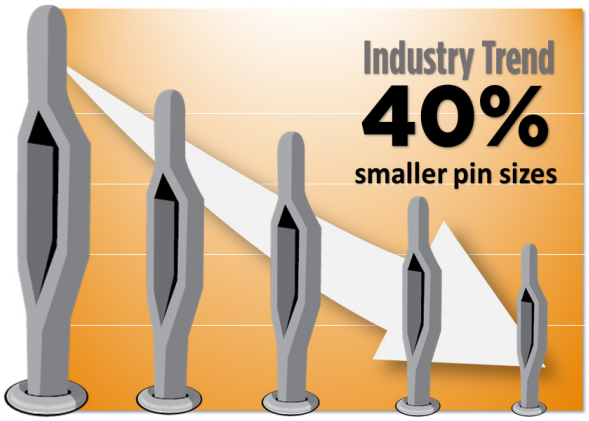
When only three pounds of force can crush small pins, excessive force noise can make detecting a defective pin extremely challenging. With SensiPress technology we optimized our load cell positioning by isolating the force sensors to eliminate excessive force noise, making it easier to detect bent pins and stop the press cycle before damaging expensive PC boards.



Field Installed Servo Controlled SensiPress Upgrade

A new field-installed SensiPress upgrade kit is available for all existing TE Connectivity BMEP/MEP/CBP/CMP press fit machines. Retrofits to select press fit machines can be made on-site by a trained TE Field Service Engineer.

No additional software is required, and installation takes only a few hours to complete.



It is very challenging for existing design and load cell arrays (force sensor) to detect a bent pin at the early stage of the pressing cycle.

How To Upgrade:

1. Contact TE for a SensiPress upgrade kit quote or go to **www.te.com/SENSIPRESS** to fill out our contact form.
2. Provide the machine model and serial number of your current TE Connector Press Fit machine.
3. The TE Field Service department will contact you to set up an appointment.
4. A TE Field Service Engineer will arrive on site to complete the upgrade in a few hours or less.

See How SensiPress Can Keep Your Production In Line

Scan this QR Code to learn more about how SensiPress technology can help improve your production volumes by reducing errors caused by bent or defective pins.

te.com

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Contact us today to learn more

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For additional information download catalog no. 1-1307619-0 from tooling.te.com.

www.te.com