

**Flexible, Programmable Operation:**

The Plastic Staple ST9500 System is controlled using an operator-friendly interface. Operators can program virtually all parameters of the system's operation, including cycle speed. System settings can be password protected if a company wants to prevent settings from being changed.

The system can also be programmed to perform multiple insertion cycles triggered by a single press of the actuation button or foot pedal. A delay function ranging from .1 to 1 second can be programmed between each cycle. This allows the operator to vary the time between cycles in order to reposition the targeted garment before the next fastener is inserted.

The interface also contains a batch counter and a life counter. A "double-shot" feature allows the system to insert two Plastic Staple fasteners at a time, increasing fastener strength and reducing the risk of garment damage from two separate insertions.

Spacing between the ST9500's insertion needles can be adjusted from 6 to 12 millimeters in order to process apparel materials of different thicknesses. Existing products on the market today have a fixed needle dimension of 9.5 millimeters. The ST9500 system's narrow 6-millimeter setting facilitates deep needle penetration through thicker materials or multiple garment layers, while the wide 12-millimeter setting is ideal for fastening thin layers of material tightly together.

**Low-Maintenance Design:**

The Plastic Staple ST9500 System has been designed for highly reliable, low-maintenance operation. Unlike the induction motors found in many fastener systems, the ST9500 Attacher's motor requires no clutches or solenoids.

"Clutches and solenoids typically have high failure rates and are costly to replace" says Avery Dennison's Earley. "The ST9500's clutch and solenoid-free design eliminates this potential source of downtime and associated costs."

**Energy-Saving Performance:**

The ST9500 system can assist apparel manufacturers in conserving electrical energy and meeting sustainability requirements. Conventional attachers use electricity whenever they are turned on, even when not cycling.

In contrast, the motor used in the ST9500 Attacher has a non-continuous power consumption feature, consuming electrical power mainly during its operational cycle. This allows reductions in power consumption of 50% or more compared with standard attacher systems.

Apparel companies can employ the ST9500 system in diverse markets without making electrical modifications. An on-board power converter accommodates electrical inputs ranging from 90 to 250 volts, equipping the system for operation in locations with varying electricity and voltage standards.

Additional product features include a no-adjust fastener feed system that minimizes reloading time and reduces waste, and built-in RS232 and Ethernet ports that facilitate easy uploading and recording of operational data. The Plastic Staple ST9500 System also has the capability to be networked to an intranet for remote production monitoring.