

SPIROL[®]

COMPRESSION LIMITER INSTALLATION TECHNOLOGY

Model CL Compression Limiter Installation Machine

This robust, vertical installation machine is specifically designed to install **Compression Limiters** into a variety of plastic components. The machine is available in two models: the **CL1000** (1,000 lbs. maximum installation force) and the **CL2000** (2,000 lbs. maximum installation force).

To operate, load the plastic part(s) and the Compression Limiter(s) over the fixture locating post(s). Automatically lock the fixture into place by moving it into the work zone. Upon removal of the operator's hands, the light curtain is clear and the machine can be activated. All Compression Limiters are installed simultaneously.

The Model CL is equipped with installation verification to ensure that the machine has completed a full installation cycle and a Compression Limiter was installed at each location. In the event of a fault, the touchscreen will flash an error message. The fixture slide locks in place until the operator acknowledges the message and places the machine back into operation mode.

Design Features/Benefits:

- Precise:**
 - Fine tip adjustment for depth
 - Precision ground work table
- Versatile:**
 - Single or multiple part installation
 - Available with multiple installation tips in nearly any configuration at various elevations
 - Installs different size Compression Limiters
- Easy to Use:**
 - 7" Touchscreen interface
 - LED work surface illumination
 - Ergonomic part loading
 - Programming interface with two 120 VAC outlets
 - USB and Ethernet ports
- Safe:**
 - Full perimeter guarding with light curtain
 - CE certified / Safety Controls meet safety category 4 per EN 954-1 / Performance Level PLe per ISO 13849-1
- Installation Verification:**
 - Full stroke sensor confirms cylinder reached preset installation elevation
 - Sensors verify part installation at all locations



See the
Model CL
in action:

<https://youtu.be/50h3jkxxdl>



Optional enhancement features include:

- Andon stack light for visual indication of machine status
- Audible alarm for fault notification
- Tool kits to accommodate various assembly designs with automatic fixture recognition
- Powered fixture slide
- Fastener presence confirmation prior to machine cycle start
- Data acquisition
- Park marking upon successful completion of machine cycle
- Password reset after any machine fault



Read how SPIROL suggested the Model CL to a customer to improve the installation of multiple fasteners into their plastic component, saving them time and reducing waste.

SPIROL offers complimentary Application Engineering support. We will assist on new designs as well as help resolve issues, and recommend cost savings on existing designs. Let us help by visiting **Application Engineering Services** on SPIROL.com.

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