**Five Step Process for Success**

**STEP 1**  We determine your assembly objectives and prepare a proposal

SPIROL assesses your needs in areas related to the application:
- Performance requirements
- Special control/safety requirements
- Critical component specifications
- Quality objectives
- Production objectives

Based on your requirements, SPIROL develops the assembly concept best suited to meet your objectives. A detailed proposal is submitted with a fixed price and a performance guarantee.

**STEP 2**  We design an installation system based on your defined objectives

Upon receipt of your order, the assembly concept is reviewed and assigned to a SPIROL Project Engineer. A detailed layout is developed, components are specified and engineering drawings are prepared. A control package is carefully developed to ensure the system is interactive and fail-safe.

Our standardized, time-tested, modular designs are robust, reliable and easily adjustable – allowing for customization to meet the specific needs of your application. This translates into faster delivery, greater reliability, and the best value for equipment of comparable quality.

**STEP 3**  A fixture is designed to hold and align the components during installation

SPIROL specializes in custom part-holding devices called **fixtures**.

Fixturing, which includes aligning and holding your components accurately and firmly during installation, is a critical element to the performance of your installation equipment.

SPIROL reviews the detailed layout with you to ensure that all aspects of the machine meet your approval.

**STEP 4**  We build, test, install, and certify the machine – including educating operators and maintenance personnel

The assembly of the equipment is closely monitored by the SPIROL Project Engineer. The equipment is thoroughly tested at our plant.

As part of our standard procedure, SPIROL will send a qualified technician to your facility to set-up the machine and train your operators on the use and maintenance of the equipment. Only after you are satisfied with the quality and performance of the equipment is it turned over to you.

**STEP 5**  We provide total customer satisfaction

We have a long history of providing installation equipment of the highest quality and reliability. We are so confident in our equipment that SPIROL offers the only performance warranty in the industry.

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SPIROL Insert Drivers install all common types of post-mold installed Inserts – Heat/Ultrasonic, Self-Tapping, Press-In and Expansion Inserts – as well as Compression Limiters.

Our objective is to enhance your competitiveness through product quality, increased productivity and reduced manufacturing cost. SPIROL remains part of the process until the machine is meeting your objectives and paying for itself.
Options such as pick and place systems, rotary and linear part indexing, part and Insert presence sensing, and torque monitoring for Self-Tapping Insert installation can be added for enhanced productivity, heightened process control and error-proofing.

Dual and triple versions of most semi-automatic models are readily available to suit your assembly objectives.
Model PH Platen-style Multi-tip Heat Insert Driver
Designed to install virtually any type of Heat/Ultrasonic style insert — up to 20 Inserts simultaneously on different levels

Model HM Manual Heat Insert Driver
Manual drivers are extremely versatile and easily adjustable to accommodate a myriad of applications

SPIROL Application Engineers will review your application needs and work with your design team to recommend the best solution. One way to start the process is to select Installation Systems in our Optimal Application Engineering portal at www.SPIROL.com.