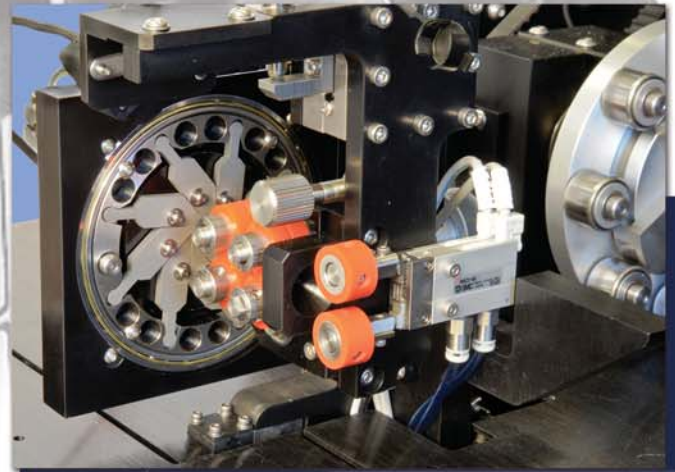


SW650S

Marker Band Swaging Equipment



The MSI SW650S Marker Band Swaging Equipment automatically positions and swages marker bands within tight manufacturing tolerances. Intended for PTA and PTCA product manufacturing, the swager's dual-stage processing also shortens cycle times. The pick and place loading option allows for continuous, automated processing. The profile driven SW650S includes an integrated PLC control system with PC touch screen interface for easy process development and quick product change over.

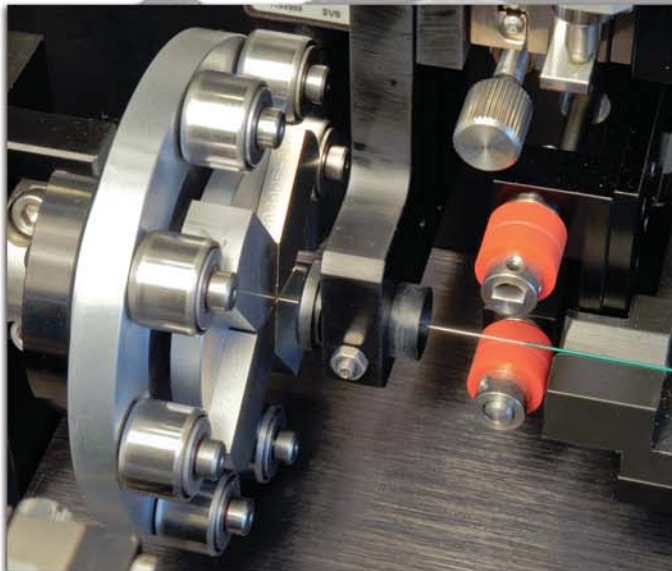
The SW650S laser sensor and segmented servo actuated pre-swage system precisely positions and pre-swages marker bands. The handling system then moves product to the swage head for final swage with an Element™-style head. Two products are run at once to maximize product throughput. The SW650S combines accurate automated positioning with high force swaging to produce a uniform repeatable final product.

SW650S Features

- **Band-to-band spacing up to 250mm.**
- **Band-to-band positioning accuracy $\pm 0.3\text{mm}$.**
- **Automated lot/batch processing.**
- **Product length up to 180cm.**
- **Automatic positioning and pre-swaging of marker bands.**
- **Cleanroom ready.**

SW650S

Marker Band Swaging Equipment



Summary of Spec Data

Control System	PLC control with industrial PC HMI Stores up to 999 recipes
Noise Level	<80dBA @ 305mm
Marker Band Positioning	Class I Thru Beam Class II Reflective Laser Sensors
Band to Band Positioning Accuracy	±0.3mm for 250mm spacing
Maximum Band Spacing	250mm
Band Size	0.020" – 0.250" (0.51mm – 6.35mm)
Pre-Swage Method	Solenoid driven segmental compression
Swaging Method	Element
Pneumatic Requirement	Standard shop air, clean and dry
Units of Measure	Selectable
General Warranty	1 Year

SW650S Machine Dimensions

- Height: 27" (686mm)
- Width: 37" (940mm)
- Depth: 33" (838mm)

SW650S Equipment Specifications

Swage Base Unit Specifications

- Automated marker band positioning system.
- Servo actuated handling system.
- Automated product transfer system.
- Urethane product guide system.
- X-Y stage for product alignment.
- Manual marker band loading.

Programmable Parameters

- Band positions.
- Position and pre-swage power.
- Swage head insertion rate.
- Automatic detection of catheter tip and band for easy set up and positioning accuracy.
- Password protected areas: profiles, calibration and maintenance.

Pre-Swage Assembly Specifications

- Ten segment, solenoid driven segmental compression.
- One size for products from 0.020" to 0.250".

Swage Assembly Specifications

- Stainless steel electro-polished swaging elements (customer specified diameter).
- One anodized aluminum closer plate.
- One stainless steel electro-polished slider plate.

Options

- Pick and Place product handling.
- Integrated barcode scanning.

Line Voltage/Power

- 110 or 220 VAC 50/60Hz.

Operating Environment

- 60-75°F (15-24°C).
- 0-85% RH, non-condensing.

Storage Temperature

- 32-120°F (0-48°C).

Safety Features

- Category III safety circuit.
- Polycarbonate safety covers with interlock switches.
- CE compliant.