

Band Swager Model SG



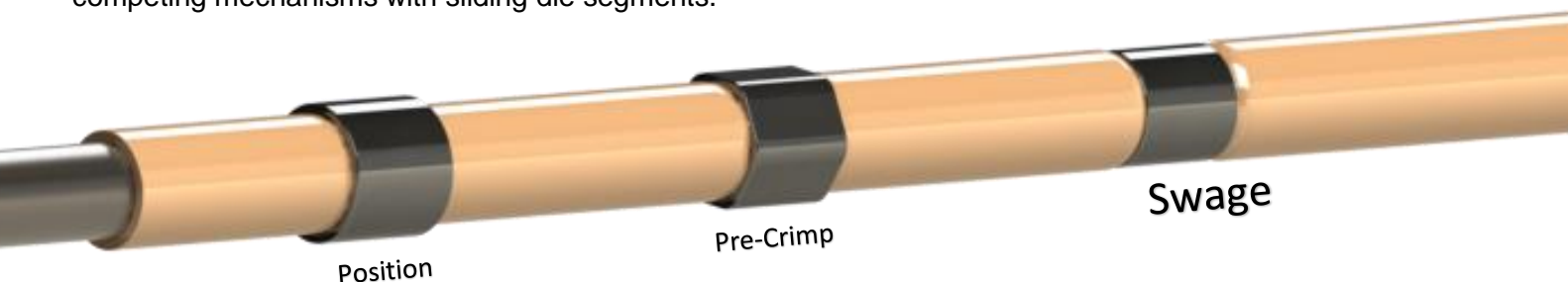
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Model SGA Swaging Machine

Band swaging machine Models SGA (standard) & SGB (high-force) are designed to swage metal bands onto plastic tubes. Swaging is defined as making many small deformations to gradually reduce the diameter of the tube or band. The machine uses a rotating die with a round opening to reduce the diameter of the metal band while keeping it round with a fine surface finish. These machines do not position or pre-crimp the bands. Blockwise has both a. Model SGA (standard) is typically used for soft precious-metal radiopaque marker bands. Model SGB (high force) is typically used for strong stainless steel bands.

The **Model SG** Swager is very productive because it has a fixed swaging frequency that exceeds competitive machines by a factor of three. The proprietary, flexure-based die is designed to fully close with every blow. By eliminating swaging frequency as a process setting, setup is simplified and swaged band diameters are consistent. The machine is very simple to set up and use. The flexure-based die stays much cleaner than competing mechanisms with sliding die segments.



Position

Pre-Crimp

Swage

Specifications:

Size Range	0.025 mm - 4.06 mm
Swaging frequency, Model SGA	100 Hz
Swaging frequency, Model SGB	75 Hz
Automatic feed	Up to 150 mm
Machine Foot Print	30 cm deep x 56 cm wide
Rotation	360 Degrees
Die Rotation Speed	500 rpm
Service Connections:	Electrical, 110 or 220 VAC, 2 A Air, 3.4 – 6.9 bar

Features:

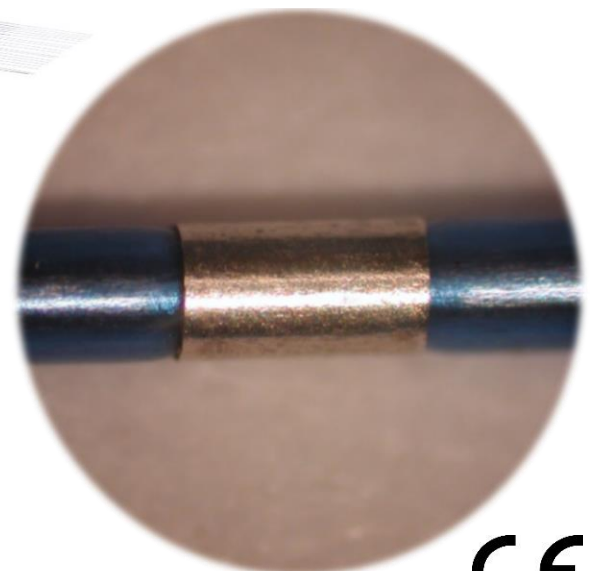
- **Swaging Die** custom-fabricated to provide the finished swaged diameter specified by the customer. Each die produces only one swaged diameter. Dies are easily replaced on the machine. No shimming is required.
- **Most Consistent Band Diameter** Since the die fully closes on every blow, the diameter depends only on die geometry, not on any “force” or “pressure” settings, resulting in extremely low diameter variability.
- **Automatic Product Feeding** Urethane rollers hold and move product through swaging die. Feed speeds, feed distance and holding pressure are adjustable and can be saved as recipe settings. Based on recipe settings, the feeder will move rapidly between bands, greatly reducing cycle time.
- **Excellent Surface Finish** Continuous 360 degree die rotation at 500 rpm for excellent band surface finish.
- **Compact design** 56 cm wide x 30 cm deep.
- **Ergonomic** Product loaded just above level of worktop.
- **Quick Adjustments** Easy to touchscreen, head cover with no hardware, easily changed die.
- **Distal Exit** allows for any length of catheter.
- **Clean room ready**

Options available:

- **Tray Loader** Automatically feeds products into the swager without operator action. Products must be pre-loaded into a slotted tray by the operator. Significantly increases labor productivity. Suitable for products between 0.5 mm to 2.5 mm diameter.



Typical Result



Model SGA Swaging Machine with
Tray Loader & Product Tray

