

MARKER BAND SWAGER

MODEL MBS-250



- High-quality swaging operation for no striations or deformations to the swaged parts
- Improve setup, wear and maintenance with one-piece die design
- Increase capabilities for distance between marker bands
- Smallest footprint available on the market, clean-room ready and easy-to-use

DESCRIPTION

The MBS-250 Marker Band Swager is compact and clean-room ready with 360° swaging performance for gradual and smooth diameter reduction of marker bands for catheter production. The swaging equipment offers superior performance and no striations or deformations to the swaged parts. The one-piece swaging die design simplifies setup and operation and is easy to maintain for repeatable use. There is no disassembly required for fast installation and cleaning. The one-piece die, along with the new safety cover, reduces overall wear and maintenance for enhanced production quality. The safety cover lessens operating noise and cover removal initiates a safety interlock.

HOW IT WORKS

The MBS-250 swaging equipment performs simultaneous motions to achieve uniform, precise results and very smooth surfaces. The one-piece swaging die rotates about the longitudinal axis of the swaged part while repeated and rapid closures of the die take place. Simultaneously, the component to be swaged is advancing into the tapered die cavity in a controlled fashion. A secure attachment of the marker band to the catheter shaft is achieved by uniformly reducing the diameter of the band so it is partially embedded in the outer surface of the catheter shaft. This one-piece die is custom-made based on the marker band and catheter shaft specifications.

It is simple to operate with front panel touchscreen for catheter advancement speed, distance between marker bands and swaging frequency. Swaging and clamp pressure are easily adjusted on the front panel. The MBS-250 has two operating modes — a standard mode for two marker bands and a single mode for multiple marker band swaging. The MBS-250 provides a lifetime counter for measuring swaging rate of occurrence for wear and maintenance monitoring.

SPECIFICATIONS

Split die design will work with the MBS-250

Dimensions	21.12" W x 11.75" H x 6.75" D 536.5 mm x 298.45 mm x 171.45 mm
Weight	15.15 lbs (6.87 kg)
Die Material	Heat-treated stainless steel
Power Requirements	24 VDC @ 1950 mA maximum 47 W
Air Supply	100-120 psi (6.9 - 8.3 bar)
Standard Mode	2 marker bands
Single Mode	Multiple marker bands
Swaging Die Sizes	Custom size diameters ranging from 0.020" to 0.188", 0.5 mm to 4.78 mm (1.5 Fr to 14 Fr)
Die Rotation Speed (Continuous)	~ 0.5 rotations / second
Hammer Frequency	5 to 30 Hz (10 to 60 strokes at 2 seconds per revolution)
Auto-feed Clamp Speed	0.1 mm/s to 20 mm/s
Distance Between Marker Bands	Up to 250 mm
Rotation	360°
Noise-Level	Less than 77 dBA
Standard Model: Part #727023-10 (10mm cylinder bore)	Up to 0.066", 1.67 mm (5 Fr) and marker band wall thickness 0.002", 0.051 mm
High Force Model: Part #727023-15 (15 mm cylinder bore)	Up to 0.184", 4.7 mm (14 Fr) and marker band wall thickness > 0.002", 0.051 mm
One-Piece Die	Part #506054-TBD