

Self-Expanding Stent Loading Machine Model NZM Stent Nozzle™



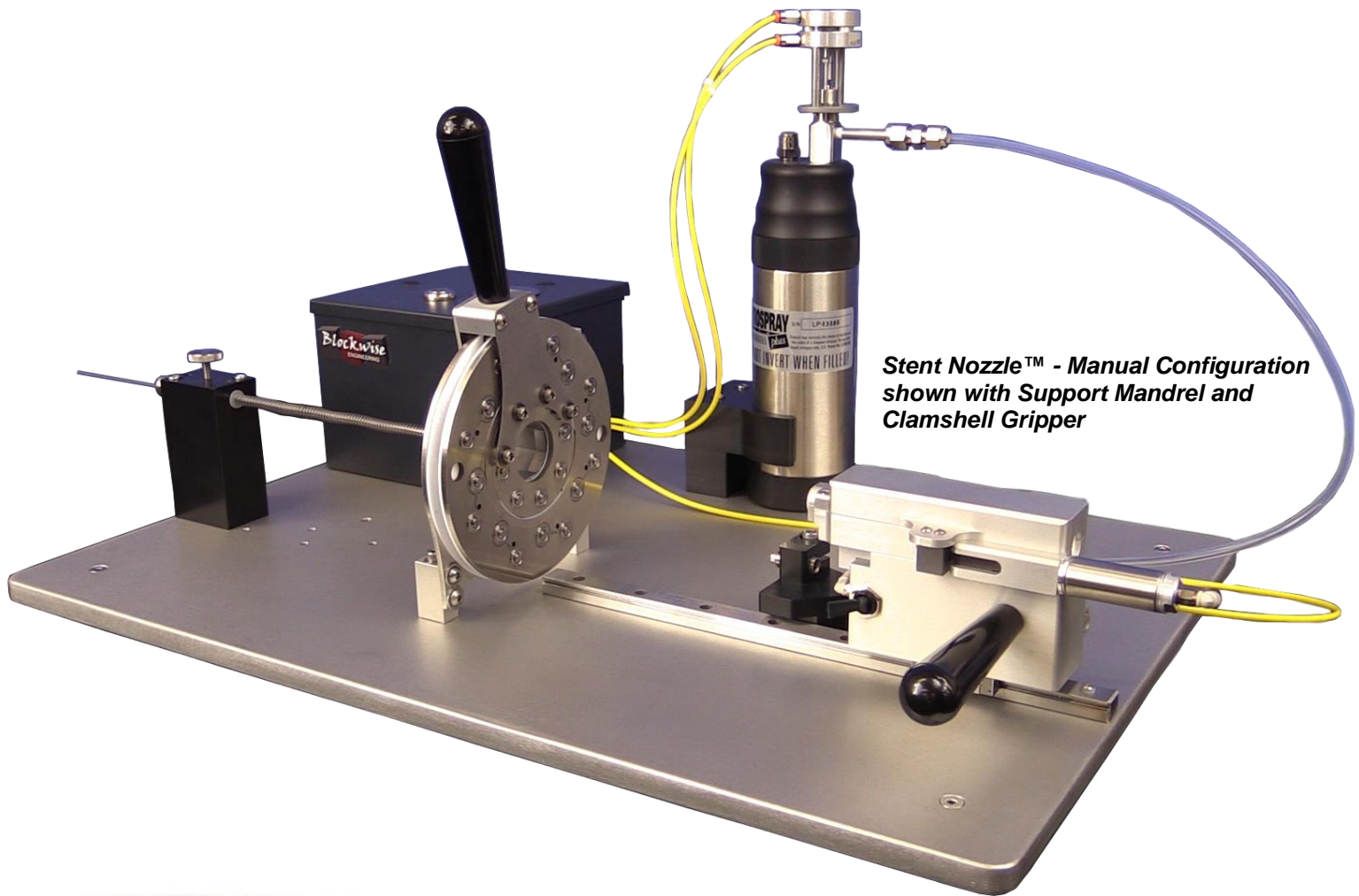
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Model NZM Stent Nozzle™ Self-Expanding Stent Loading machine which uses construction radically different from previous generation machines. The Model NZM compression station has a tapered section or “Nozzle” at the rear allowing crimping & loading of stents a small section at a time. Load any length of stent with this short length crimper. The opening profile roundness is 10x more accurate, or better, than other radial compression machines. It is a significant departure from the old, plastic crimp-and-push type of loaders; **hardened Stainless Steel dies** mean no more worrying about broken or worn plastic tips.

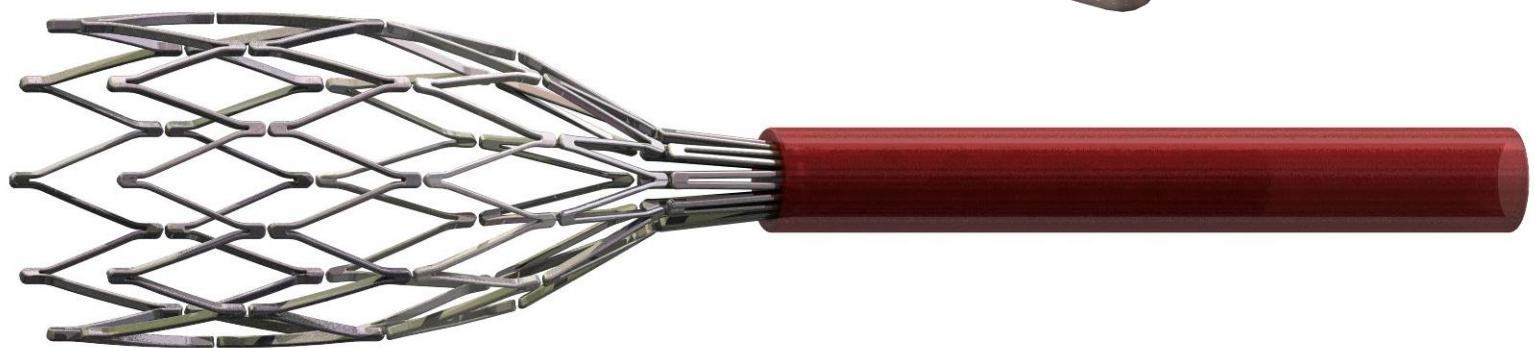
The Model NZM compression station uses the Blockwise Alpha-Crimp™ technology resulting in extremely small die-to-die gaps which do not change with diameter, nor do the dies ever contact each other. Compression force is provided by stepper motor actuation or manually using a handle.

Manually actuated version has diameter open/closed stops & product holder distance stop. Liquid Nitrogen Chilling is controlled by a foot valve. These features allow ease of use and consistent results among different machine operators.

The Stent Nozzle compression station includes the patent-pending **Alpha-Crimp™** technology resulting smallest die-to-die gaps throughout the entire diameter range.

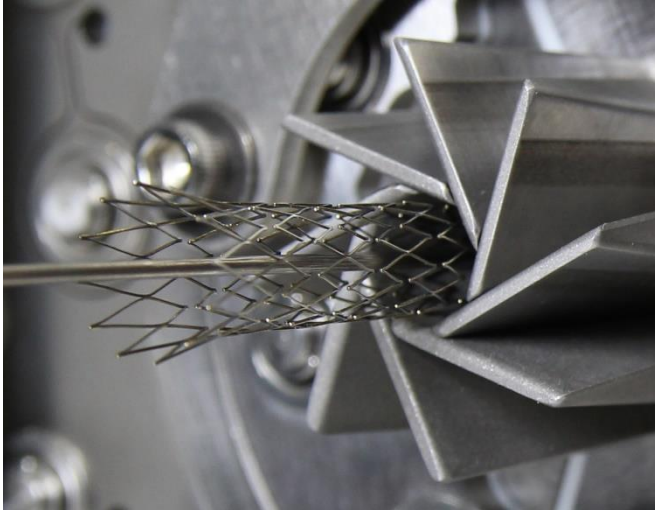


**Stent Nozzle™ - Manual Configuration
shown with Support Mandrel and
Clamshell Gripper**

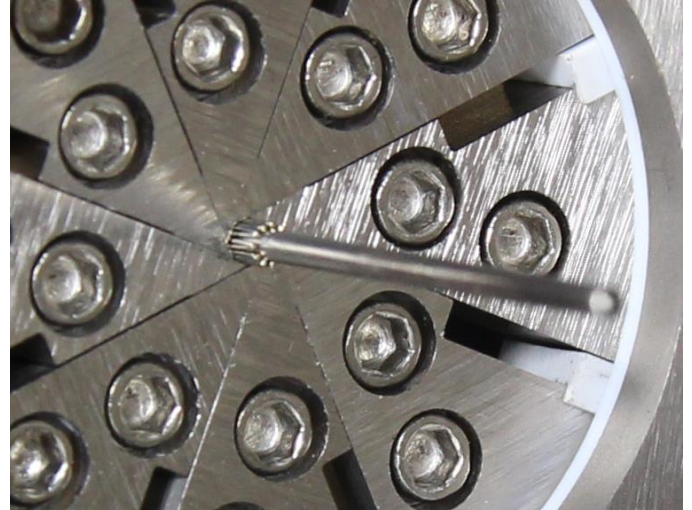




Die-to-Die gaps & Nozzle gaps remain extremely small throughout entire diameter range



Stent Entering Tapered Nozzle



Compressed Stent Exiting at Loading Diameter

Available Options:

Manually Actuated Low-cost machine without electronics. Best option for R&D and moderate volume production.

Mandrel Holder Supports a variety of mandrels and other custom tooling.

N2 Cooling Crimp at a cold temperature, flow is controlled by a foot operated valve

Sheath Holder Firmly secures the catheter or transfer tube while maintaining a round profile.

Specifications:

Opening Diameter Range	0 - 28 mm
Die Length	6 mm
Die Material	17-4 PH Stainless Steel, Hardened
Die-to-Die Gap	13 μm (0.0005")
Number of Compression Dies	8 dies
Machine Dimensions	30 cm deep x 20 cm high, 92 cm width
Sequence Control	Manual
Service Connections	Compressed air 5 - 7 bar

