

J-Crimp™ Stent Crimping Machine Model RJJ

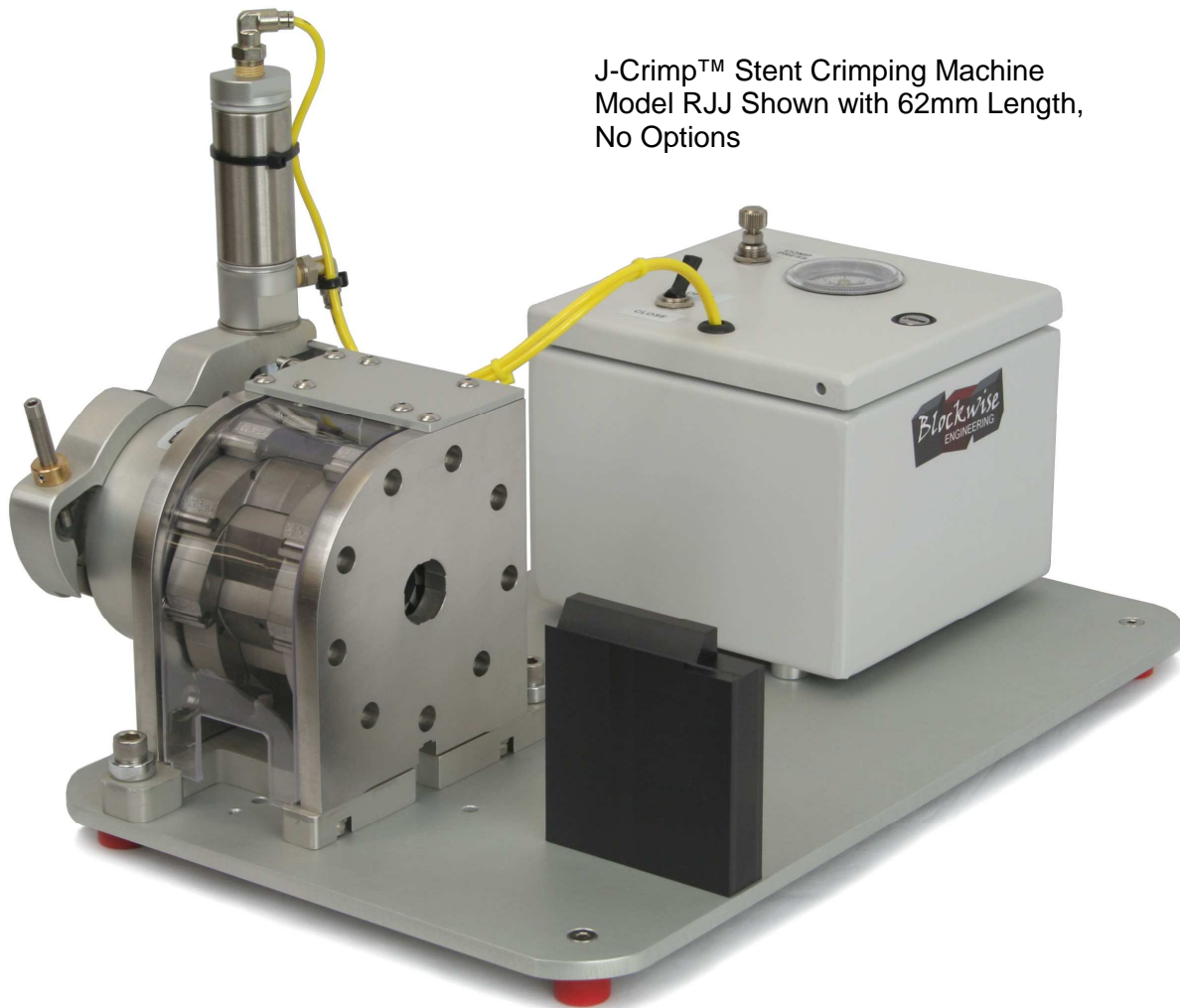


Blockwise Engineering, LLC
<http://www.blockwise.com>

The Blockwise J-Crimp™ Stent Crimping Machine Model RJJ is used to radially compress balloon-expandable stents as the stent attachment step in catheter manufacturing. It is a simple all-pneumatic machine that is also suitable for many other applications. The machine includes a J-Crimp™ radial compression station (patent pending) with hardened stainless steel dies. The J-Crimp™ mechanism provides a wide diameter range with minimized gaps between the dies.

A pneumatic actuator is used to close the compression station, and a return spring opens it. An adjustable closed-stop screw sets the closed diameter limit, while a pressure regulator with pressure gage sets the closing force limit. A toggle valve opens and closes the mechanism while an orifice limits the closing speed.

J-Crimp™ Stent Crimping Machine
Model RJJ Shown with 62mm Length,
No Options



Available **Options** include:

Digital Readout of Opening Diameter by a dial indicator.

Heaters and Temperature Sensor – includes cartridge heaters, temperature sensor, and over-temperature switch installed in the dies, electrical connector for compression station, power entry module, solid-state relay for heater switching, and temperature controller with user-adjustable setpoint. Base plate and enclosure are larger if this option is installed.

Specifications:

Compression Station Opening Diameter Range	0 to 16.0 mm
Die Lengths Available:	62 mm, 124 mm, custom
Die Material	Hardened Stainless Steel
Die-to-Die Gap	Appx 0.002 inch to 0.0035 inch
Crimp Force Adjustment Method	Pressure regulator with gauge
Die Heating Temperature Range (Optional)	Room temperature-100° C
Maximum Total Radial Force Available	215 lbf
Number of Compression Dies	9
Machine Dimensions	402 mm deep x 325 mm high, (187+die length) mm width
Service Connections	compressed air 5 to 8 bar (also AC power 110 to 240 V with heater option)