

Zero-G™ Stent Crimping Machine Model RZJ



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

The Blockwise Zero-G™ Stent Crimping Machine Model RZJ 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 Zero-G gapless radial compression station (patent pending) with plastic dies. The compact footprint is perfect for clean rooms with limited space.

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.



Zero-G™ Stent Crimping Machine
Model RZJ Shown with 62mm Length,
No Options

Available **Option**:

Digital Readout of Opening Diameter by a dial indicator.

Specifications:

Compression Station Opening Diameter Range	0 to 31.0 mm
Die Lengths Available:	62 mm, 124 mm, 225 mm, 300 mm
Die Material	Ertalyte TX (PET with fluouopolymer lubricant)
Die-to-Die Gap	Zero at all opening diameters
Crimp Force Adjustment Method	Pressure regulator with gauge
Die Heating	Not Available
Maximum Total Radial Force Available	760 N (170 lbf)
Number of Compression Dies	12
Machine Dimensions	402 mm deep x 300 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)