

CASE STUDY

Stepper System Automates E-Clip Assembly

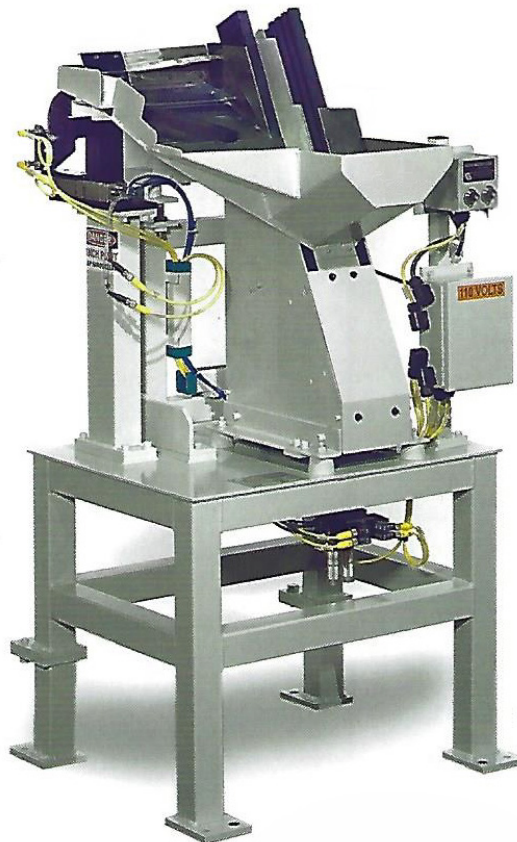


An HGA Company

To reliably automate the assembly of E-Clips for a customer, the Spectrum Automation team tooled this Mini-Feeder to get them to a robot.

Parts are stored in a half-cubic-foot bin and step-metered to a linear vibratory orientor. A static mandrel gets oriented parts into a vertical stack where a coinchanger escapement moves one at a time to a robotic pick point. Under the right conditions, E-Clips can be assembled without a robot.

As pictured, the feeder operated at 62 Db(A) sound pressure at 15 pc/min. Rate. A lexan enclosure was also provided.



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