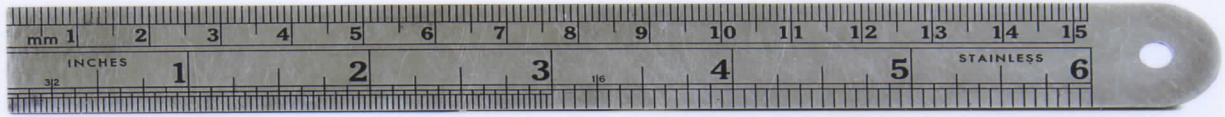


E-Clips are used to...

keep shaft held components in place.



To **reliably** automate the assembly of these E-Clips, we tooled this Mini-Feeder to get them to a robot.

Parts are stored in a 1/2 cubic foot bin and step-metered to a linear vibratory orientor.

A static mandrel gets oriented parts into a vertical stack where a coin changer 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 provided.



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