

MEDICAL DEVICE APPLICATION

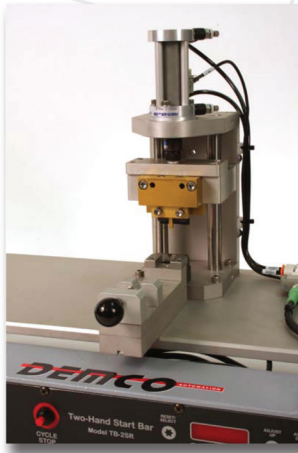
Benchttop Cannula Bending Station



A manually loaded Bending Station with integrated Safety Circuit and Custom Tooling

In this application, multiple low-cost, manual bending stations were provided to bend Cannula to specific bend geometries for surgical instruments. The station includes custom designed forming tooling to produce a repeatable bend without damaging, marking or creasing the Cannula during the bending process. Operators load the product into the custom designed locating fixture, actuate the dual palm buttons, and the station safely forms the bend.

The equipment needed to be modular to accommodate a variety of tooling and includes an easy change out tooling design. In addition to the station's modularity, the design is compact and easily fits into the operator workstation.



System Details

Mechanical Features:

- Custom 2-post forming die set
- Quick change out tooling
- Pneumatic press cylinder
- Custom component fixture/nest
- Plated tooling and mounting surfaces

Cycle Time:

3 seconds

Location:

USA

Control Features:

- Integrated two-hand start bar for operator safety
- 115VAC 50/60 Hz operation
- 5 watt standby and 8 watt output energized power consumption
- (2) inputs (one PNP and one NPN)
- (2) positive guided relay contacts in series, 24VDC 1A
- Adjustable output dwell time
- Display window for cycle count and other information
- Momentary output, maintained output, timed output, maintained timed output, delayed timed output, maintained delayed timed output, and part-in-place mode



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