

B R O O M F I E L D

700

Heavy-Duty, High Torque Coil Winder

SPECIFICATIONS

The **Broomfield 700** winder is a single speed, high torque winder that can handle large, heavy coils. This heavy duty winder can be manufactured with various speeds and torques according to your application requirements.

Features & Benefits:

- Three standard models available.
 - 700A:** Winding headstock.
 - 700B:** Winding headstock with tailstock mounted on precision ways.
 - 700C:** Winding headstock, tailstock on precision ways and automatic wire traversing mechanism.
- Single speed range with variable speed.
- Heavy-duty welded steel construction.
- Air actuated disc brake for positive stopping.
- Electronic wire guide traverse: Two precision layering styles are provided; Parallel and Spiral (700C).
- Setup time is minimized by the use of electronic controls for precisely setting wire pitch and stopping at the desired turns count (700C). The operator only needs to enter this data and set the winding width stops.
- Reverse bend system eliminates the need for pounding wire or pressing coils into shape, produces tighter coils and uses less wire. (700C)
- Easily adaptable for winding single or multiple coils.



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Motor Equipment: 5HP (3.73Kw) - 30HP (22.38Kw) AC motor with foot controlled, variable speed vector drive.

Faceplate: 22" (558mm) diameter.

Primary Reduction: Belt and pulley.

Secondary Reduction: Gear reducer.

Spindle Speed: Per application.

Maximum Torque: 3,500 ft.-lbs. (4746Nm)

Power Requirement: Electrical: 5HP: 220V, three phase, 40 amps.

10HP - 30HP: 460V, three phase.

Other voltages available.

Air: 80 PSI (5.5 bars) at minimal CFM.

Spindle Rotation: Either direction can be selected by a switch on the control panel.

Spindle Center Height: 43" (1092mm) from the floor.

Brake: Electromagnetic spring set disc brake or air actuated disc brake (above 5 hp) operated by removing foot from variable speed control, by total turns counter or by emergency stop button.

Tailstock: Mounted on precision ways to allow positioning anywhere along winding axis. 4" (102mm) quill travel. 60° live center in #5 or #6 morse taper.

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Maximum Distance Between Centers:

700B and 700C: 65" (1651mm)

Maximum Swing Diameter: 700A: 83" (2107mm)

700B & 700C: 63" (1599mm)

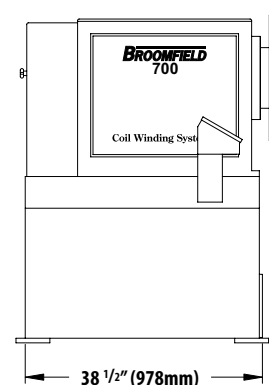
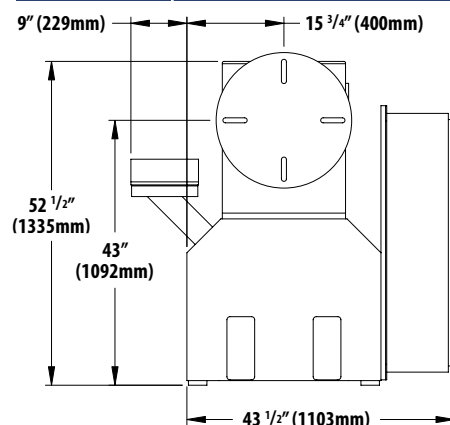
Machine Control: A & B Models: Programmable Electronic Counter.

C Model: S-50 winding controller with 50 programmable stops, 7 program capacity, parallel and spiral layering and end stops to define winding width. (See S-50 page for details)

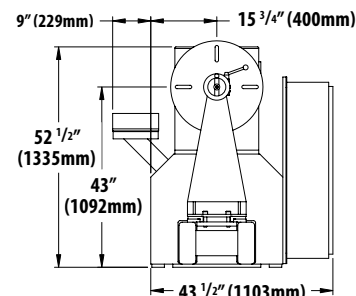
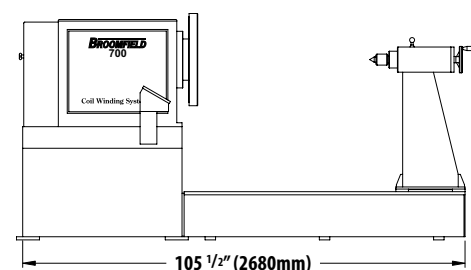
Options:

- Broomfield MP4 Controller automatically coordinates winding functions and provides for program storage.
- Multiwire guide assembly.
- Pulleys for square and rectangular wire.
- Automatic Run.
- Longer machine length.
- Larger swing diameter.
- Hydraulic faceplate brake.
- Winding area safety devices.
- Paper insulation dereeler/tensioners.
- Multiple coil winding.
- Custom modifications for special applications.

700A Model



700B Model



BROOMFIELD