

450

BROOMFIELD

Advanced Coil Winding Systems

Medium-Duty Coil Winding Machine

The **Broomfield 450 Series** is a cost effective solution that provides for winding up to an 80" (2032mm) diameter coil.



Features & Benefits:

- Low cost solution
- Steel construction for superior strength
- Electrically actuated disc brake for positive stopping
- Electronic controls for stopping at the desired turns count

450

Medium-Duty Coil Winding Machine

Motor Equipment: 3HP (2.24 kW) AC Vector motor and drive with foot controlled variable speed

Faceplate: 14" (356mm) diameter

Reduction: Gear reducer

Spindle Speeds & Corresponding Torques:

0-43 rpm	365 ft-lbs*	495 Nm
0-58 rpm	270 ft-lbs*	366 Nm
0-70 rpm	225 ft-lbs**	305 Nm
0-87 rpm	180 ft-lbs*	244 Nm
0-116 rpm	138 ft-lbs*	183 Nm
0-175 rpm	90 ft-lbs*	122 Nm
0-233 rpm	67 ft-lbs*	91 Nm

* assumes 100% efficient gear train

** only one may be chosen

Power Requirement: 220 Volt, three-phase, 30 amps

Other voltages are available

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

Spindle Center Height: 41" (1041mm) from the floor

Brake: Electromagnetic spring-set disc brake 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 and 60° live center in number 4 Morse taper.

Maximum Distance Between Centers:

450B: 48" (1218mm)

Maximum Swing Diameter:

450A: 80" (2032mm)

450B: 63" (1600mm)

Machine Control: Electronic turns counter with digital display provides programming of a slow down and stop turns count valve.

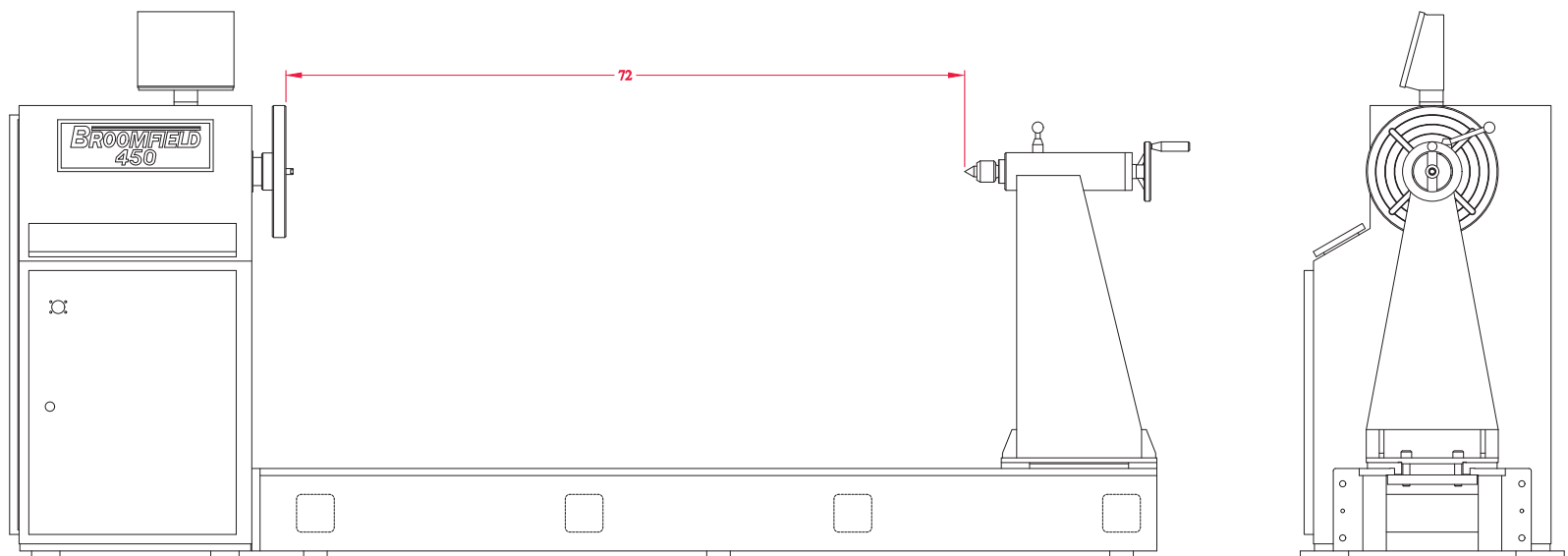
Weight:

450A: 875 lbs. (397Kg)

450B: 1,700 lbs. (772Kg)

Options:

- Winding forms and tooling
- Various headstock/tailstock holding fixtures
- 5 HP (3.73 kW) spindle motor for speedranges above 87 RPM
- Fiberglass banding assembly
- Custom modifications for special applications
- Touchscreen, multi-program controller



450A Model

450B Model