

B R O O M F I E L D

200

Multi-Speed, Medium Duty Coil Winding Machine

SPECIFICATIONS

The **Broomfield 200** coil winding machine provides for winding up to an 18" (457mm) diameter coil. Six speed ranges allow for various winding speeds and torques.

Features & Benefits:

- Six speed ranges with variable speed within each range. Maximum speed 600 RPM.
- Heavy-duty welded steel construction for superior strength.
- Electrically actuated disc brake for positive stopping.
- Electronic wire guide traverse: Two precision layering styles are provided; Parallel and Spiral.
- Set-up time is minimized by use of electronic controls for setting wire pitch and stopping at the desired turns count. The operator only needs to enter this data and set the winding width stops. Winding speed ranges are easily selected.
- Reverse bend system eliminates need for pounding wire or pressing coils into shape, produces tighter coils and uses less wire.
- Easily adaptable for coil winding single or multiple coils.



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Motor Equipment: 2 HP (1.5Kw) AC Vector motor and drive with foot controlled variable speed.

Faceplate: 12" (304.8mm) diameter.

Primary Reduction: Belt and pulley.

Secondary Reduction: Two speed gearbox

Spindle Speeds and Corresponding Torques

Low:

0-30 rpm	350 ft.-lbs.	(474Nm)
0-75 rpm	140 ft.-lbs.	(190Nm)
0-150 rpm	70 ft.-lbs.	(95Nm)

High:

0-120 rpm	87 ft.-lbs.	(118Nm)
0-300 rpm	35 ft.-lbs.	(47Nm)
0-600 rpm	17 ft.-lbs.	(23Nm)

Power Requirement: Electrical: 220 V, three phase, 20 amps. Other voltages available.

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

Spindle Center Height: 41.5" (1054mm) 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. 2" (50.8mm) quill travel with quick toggle action. 60° live center.

Maximum Distance Between Centers: 34.5" (876mm)

Maximum Swing Diameter: 20" (508mm)

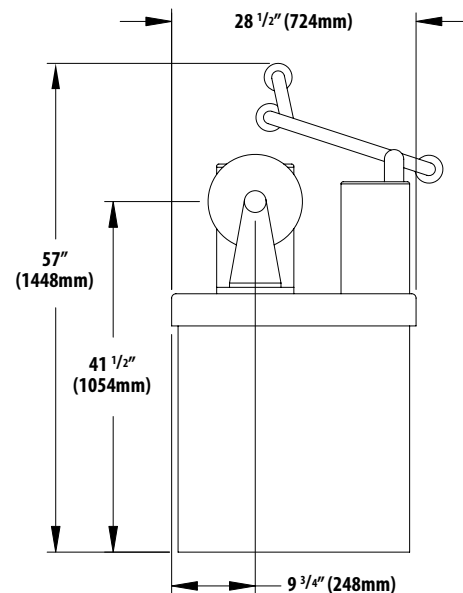
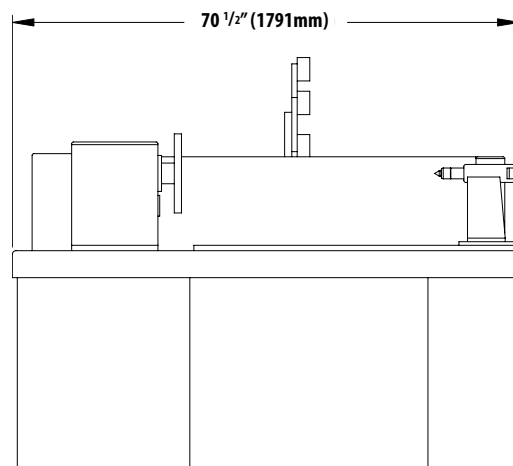
Machine Control: S-50 winding controller with 50 programmable stops, 7 program capacity, parallel and spiral layering and end stops to define winding width.

Weight: 1600 lbs. (727Kg)

Options:

- Broomfield MP-4 controller automatically coordinates coil winding functions and provides for program storage.
- Multi-wire guide assembly.
- Pulleys for square and rectangular wire.
- Automatic run.
- Winding area guard.
- Longer machine length.
- 3 HP (2.24Kw) spindle motor.
- 0-2400 RPM spindle speed.
- Custom modifications for special applications.

200 Model



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