

350

BROOMFIELD

Advanced Coil Winding Systems

Multi-Speed, Medium to Heavy-Duty Coil Winding Machine

The **Broomfield 350 Series** will wind heavier round or shaped wire onto coils up to 28" (711mm) diameter. Four speed ranges and very versatile, this is one of our most popular models.



Features & Benefits:

- Four speed ranges with variable speed within each range. Maximum speed: 535 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.
- Reverse bend system eliminates the need for pounding wire or pressing coils into shape, producing tighter coils and using less wire.
- Easily adaptable for coil winding single or multiple coils.

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Multi-Speed, Medium to Heavy-Duty Coil Winding Machine

Motor Equipment: 5HP (3.73Kw) AC Vector motor and drive with foot controlled variable speed.

Faceplate: 14" (356mm) diameter

Reduction: Belt and pulley

Secondary Reduction: Four speed gearbox

Spindle Speeds & Corresponding Torques:

Low:

0-50 rpm 525 ft-lbs 712 Nm

0-133 rpm 197 ft-lbs 267 Nm

0-200 rpm 131 ft-lbs 178 Nm

0-535 rpm 49 ft-lbs 66 Nm

Power Requirement: 220 Volt, three-phase, 20 amps

Other voltages are available

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 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 3 Morse taper.

Maximum Distance Between Centers: 47.25" (1200mm)

Maximum Swing Diameter: 30" (762mm)

Weight: 3100 lbs. (1400Kg)

Options:

- Broomfield MP-5S controller automatically coordinates coil winding functions and provides for program storage
- Multi-wire guide assembly
- Pulleys for square and rectangular wire
- Winding area guard
- Paper insulation dereelers/tensioners
- Multiple coil winding
- Custom modifications for special applications

