The Broomfield 400 Series coil winding machine has a large diameter winding capacity and can be purchased without a wire guide traverse mechanism, for hand winding.

Features & Benefits:
- Three models available:
  400A: Winding headstock
  400B: Winding headstock with tailstock mounted on precision ways
  400C: Winding headstock, tailstock on precision ways, and automatic wire traversing mechanism
- Eight speed ranges with variable speed within range. Maximum speed 590 RPM
- Electronic wire guide traverse. Two precision layering styles are provided, parallel and spiral.
- Setup time is minimized by the use of electronic controls for precisely setting wire pitch and stopping at the desired turns count (400C). The operator only needs to enter this data and set the winding width stops
- Reverse bend system eliminates need for pounding wire or pressing coils into shape, producing tighter coils and using less wire (400C).
- Easily adaptable for coil winding single or multiple coils.
Multi-Speed, Medium to Heavy-Duty Coil Winding Machine

Motor Equipment: 3HP (2.23Kw) 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:
0-28 rpm 560 ft-lbs 759 Nm
0-73 rpm 214 ft-lbs 290 Nm
0-110 rpm 142 ft-lbs 193 Nm
0-295 rpm 52 ft-lbs 70 Nm
High:
0-55 rpm 285 ft-lbs 386 Nm
0-146 rpm 108 ft-lbs 146 Nm
0-220 rpm 70 ft-lbs 95 Nm
0-590 rpm 27 ft-lbs 37 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
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:
400B and 400C: 42.5” (1080mm)
Maximum Swing Diameter:
400A: 83” (2108mm)
400B: 63” (1600mm)
400C: 32” (813mm)
Weight:
400A: 1200 lbs. (545Kg)
400B: 2200 lbs. (1000Kg)
400C: 2600 lbs. (1180Kg)
Options:
• Broomfield MP-SS controller automatically coordinates coil winding functions and provides for program storage
• Multi-wire guide assembly
• Pulleys for square and rectangular wire
• Paper insulation dereeler/tensioner
• Multiple coil winding

400A MODEL

400B MODEL

400C MODEL