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
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:**
- 450A: 48” (1218mm)
- 450B: 63” (1600mm)

**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