

# 200

# **BROOMFIELD**

Advanced Coil Winding Systems

## Multi-Speed, Medium-Duty Coil Winding Machine

The **Broomfield 200 Series** coil winding machine provides for winding up to a 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 of 600 RPM)
- Electrically actuated disc brake for positive stopping.
- Easily adaptable for coil winding single or multiple coils.
- 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 need for pounding wire or pressing coils into shape, producing tighter coils and using less wire.

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# Multi-Speed, Medium-Duty Coil Winding Machine

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

**Faceplate:** 12" (304.8mm) diameter

**Reduction:** Belt and pulley

**Secondary Reduction:** Two-speed gearbox

**Spindle Speeds & Corresponding Torques**

**Low:**

0-30 rpm 350 in.-lbs. 474 Nm

0-75 rpm 140 in.-lbs. 190 Nm

0-150 rpm 70 in.-lbs. 95 Nm

**High:**

0-120 rpm 87 in.-lbs. 118 Nm

0-300 rpm 35 in.-lbs. 47 Nm

0-600 rpm 17 in.-lbs. 23 Nm

**Power Requirement:**

**Electrical:** 220 Volt, three phase, 20 amps

*Other voltages are available*

**Air:** 80 PSI (5.5 Bars) at a minimal CFM

**Spindle Center Height:** 41.5" (1054mm) from the floor.

**Brake:** Electromagnetic spring-set disc brake operated by removing foot from variable speed control, by programmed turns counter, or by pressing the 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)

**Weight:** 1600 lbs. (727Kg)

**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
- 3 HP (2.24Kw) spindle motor
- 0-2400 RPM spindle speed

