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# **BROOMFIELD**

Advanced Coil Winding Systems

## Multi-Speed Coil Winding Machine

The **Broomfield 100 Series** coil winding machine provides for winding up to a 10" (254mm) diameter coil. Four speed ranges allow for various winding speeds and torques.



### Features & Benefits:

- Easily adaptable for winding single or multiple coils
- Electrically actuated 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.
- Four spindle speed ranges with variable speed within each range. (Maximum speed: 5031 RPM)
- Optional MP-5S control with greater programming power

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# Multi-Speed Coil Winding Machine

**Motor Equipment:** 1HP (0.746Kw) AC Vector motor and drive with foot controlled variable speed.

**Faceplate:** 8" (203mm) diameter.

**Reduction:** Belt and pulley.

**Spindle Speeds & Corresponding Torques:**

0-795 rpm 79 in.-lbs. (9.0 Nm)

0-1635 rpm 38 in.-lbs. (4.3 Nm)

0-3290 rpm 19 in.-lbs. (2.1 Nm)

0-5031 rpm 12 in.-lbs. (1.4 Nm)

**Power Requirement:** 220 Volt, three phase, 15 amps

*Other voltages are available*

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

**Spindle Center Height:** 37" (940mm) from the floor.

**Brake:** Electronically actuated brake operated by removing foot from variable speed control, by programmed turns count, 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° spring loaded live center.

**Maximum Distance Between Centers:** 24" (609.6mm)

**Maximum Swing Diameter:** 12" (304mm)

**Weight:** 1000 lbs. (454Kg)

**Options:**

- Broomfield MP-5 coil winding controller automatically coordinates coil winding functions and provides for program storage
- Multi-wire guide assembly
- Automatic run
- Lower speed ranges
- Custom modifications for special applications
- Winding forms and toolings
- Winding area guard

