

B R O O M F I E L D

S-50

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Winding Controller

RUN #1 TURN PITCH
PRESET 1 48828.05 2.500

SPECIFICATIONS

The standard control package on all Broomfield Coil Winding machines with automatic wire guide systems is the **Broomfield S-50**. This device provides for "at the machine" programming of wire guide pitch, automatic spindle slowing/stopping and layering style (parallel or spiral). The winding area is defined by operator positioned manual end stops.

Features & Benefits:

- Pitch values range from 0.0000" to 3.0000" (0.00mm to 76.20mm)
- Wind modes are Parallel or Spiral.
- Turn Count ranges from 0.00 to 99999.99 and can display negative values.
- Operator can specify the turn count for a slow and for a stop.
- There can be as many as 50 slow and stop points per program.
- Seven sets of coil winding data (programs) may be stored.
- Left and right end stop contacts define the winding area by causing the traverse to reverse direction.
- Traverse left and traverse right direction buttons and traverse direction arrows are provided.
- Traverse home left and home right buttons send the wire guide arm to the corresponding end stop.
- Traverse jog left and jog right buttons allow for incremental wire guide traverse motion but also include progressive acceleration for quicker setup of a wide traverse.



- Traverse jog may be used during winding to make minor wire guide traverse position changes.
- The display has two lines of 40 characters each and a numeric keypad.
- The Broomfield S-50 can continue running from the same place following a shut down or power loss. After powering back up, the control will display the same position within the coil that it displayed prior to the loss of power.

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