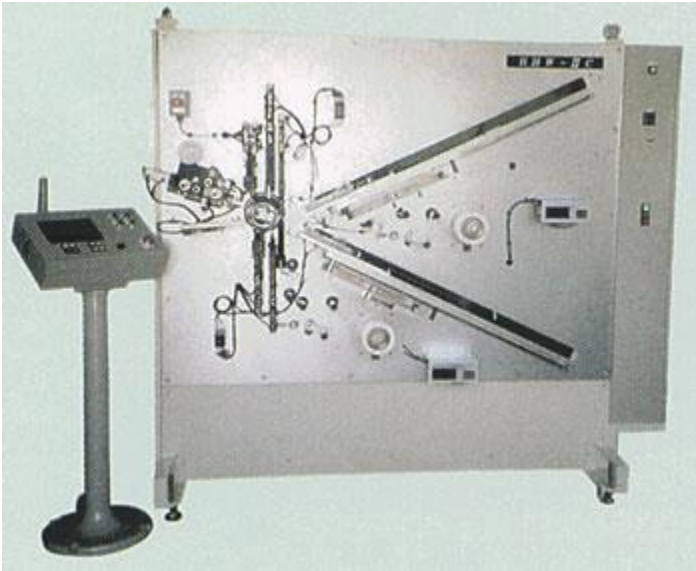


All technical data presented represent typical results, unless stated otherwise as min/max values. No guarantee is made that material will meet exactly the values shown.

## BHW-S Semi-automatic Winder

Electrode Winder: Model# BHW-S



### Outline

This system is to wind anode, cathode, and two separators, controlling their tensions. Further, this automated winding machine cuts separators in a specific length and fixes them together with a tape. Compatible for both cylindrical type and prismatic type.

### Specifications

#### (1) Utilities:

i. Power:	3AC200V 30A
ii. Air:	0.4Mp or over

#### (2) Size and Ability:

i. Main Body:	W1850 x H1800 x D950
ii. Control Panel:	L300 x W450 x H1215
iii. Ability:	20sec/piece at max.

#### (3) Work Size

i. Separator:	Maximum Width 70mm
ii. Electrodes:	Length 300?1000mm, Width 32.5?67.5mm

### Main Functions

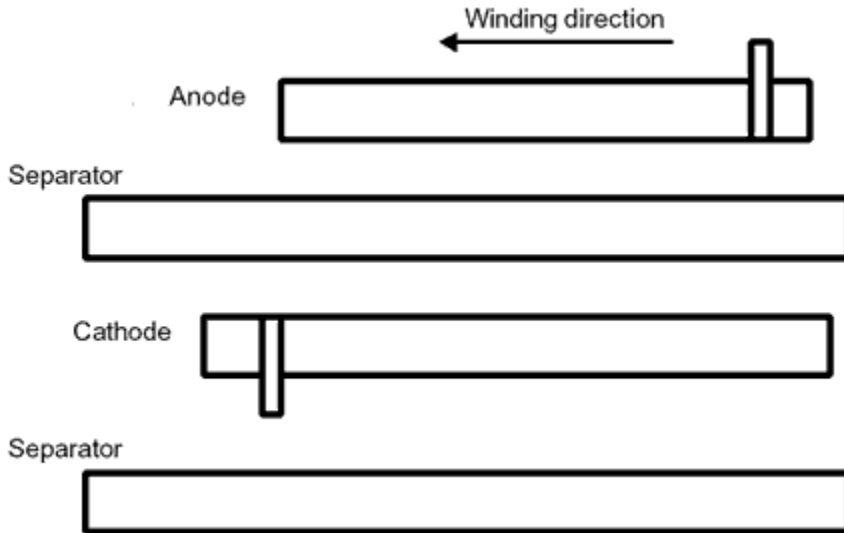
#### (1) Functions

- A wind-up tension is controlled by two systems: a wind mandrel spindle control and a back-tension control.
- A wind-up speed can be digitally controlled once a desired speed is inputted by pulse counts
- Tension of the separators is controlled by a joint-control of a potentiometer and a torque motor.
- A wind-up speed can be controlled digitally once a desired speed is inputted by pulse counts

- The original 2-head wind-up mandrel unit can wind up one roll while pre-winding separators for the following roll, by manually rotating the unit.
- A release switch (reverse action selective switch) prevents the mandrel from winding strips too tight.
- Pick-up unit can push out the final products safely and harmlessly. Also a safety cover is placed in the front of the unit and the switch is turned off automatically when the cover is opened
- A stand-alone control panel box.
- Hard switches of a start, a stop and an emergency stop are mounted on a standard type.
- Programmable controller (Omron PLC: sequencer)

(2) Strip Length, to be defined by User.

Example: Winding direction Anode Separator Cathode Separator



(3) Misc.

(a) Operation Switches

Emergency-stop buttons

Stop button

Start button

Auto/manual selective switch These are additional devices to those on the touch panel.

(b) Other Devices

Servo-motor (instead of the winding drive)

Front safety cover

Mandrel (mirror-finished surface)

Edge sensor

**Application:**

**Product type:** Machinery

**Production scale:** Lab, Pilot

**Search tags:** Hohsen, Machinery, Winder