



Brabender® Winder

For Winding Up Round Strands
and Hoses



... where quality is measured.

Winder



Principle

Complete your extrusion line and wind up your extruded round strands or hoses with the Brabender Winder.

An oscillating unit ensures even and steady winding of the extrudate. The oscillating speed is controlled automatically as a function of the preset haul-off speed and of the extrudate and coil diameters. In order to achieve a perfect winding result, the tension between the nip rolls and the oscillating unit can be adjusted. The full coil can easily be taken off and stored or be used for further tests.



Brabender application laboratory

The Brabender support

Our state of the art application laboratory is always made available to our customers.

You can choose to send material to us for testing or schedule a specific Lab Trial with our expert team. In our application laboratory, you will have access to our full product line to help come to a solution for your application.

Application

The Winder can be used as a downstream unit in any extrusion line for taking off and winding up round strands and hoses made of different materials such as elastomers, thermoplastic elastomers or thermoplastics. This opens up a wide range of applications:

- Production and simulation
- Quality analysis
- Recipe sampling for further analyses, e.g. for tensile strength
- Product development, e.g. filament production for 3D printing
- Wire sheathing
- Storage



AquaTrough – Brabender CWB water bath



Control panel

Advantages

The Brabender Winder first of all stands out for its modular and compact design allowing to vary between roll or belt haul-off and providing supports for various types of coils.

- Flexible and easy retrofitting of roll to belt haul-off or vice versa
- Precise setting of the haul-off speed
- Adjustable distance between haul-off and oscillating unit
- Ergonomic control panel
- Easy integration in existing Brabender extruder software



Belt haul-off



Compounding line with TwinLab-C 20/40 with round strand die head, water bath and Winder

Winder

Coil location hole	16 - 305 mm (60 mm or more with rim)
Coil core diameter	60 - 310 mm
Coil flange diameter	max. 400 mm
Coil width	max. 200 mm
Coil weight	max. 15 kg gross
Diameter of round strands	0.5 - 4 mm
Diameter of hoses	0.5 - 12 mm
Haul-off speed	0.2 - 30 m/min
Dimensions (W x H x D)	705 x 1600 x 1200 mm
Weight	approx. 120 kg
Mains connection	3 x 400 V + N + PE, 50/60 Hz, 16 A



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