



**ML-100 Winder**

# Extremely precise and accurate winding

## New ML-100 Winder

We are pleased to introduce Ratera's newest wider. The ML-100 Automatic Winder for bobbins 80 mm trough 120 mm gauge bobbins. This four (4) spindle machine with complete package build control allow for the production of 80,100,104, 115, and 120 gauge bobbins on one only machine. The machine has been designed around the principle of the NX-100 but incorporates PLC machine control and programmable servo traverse drive to facilitate style changes and maximize bobbins performance. **Flexibility:** Changing to a different bobbin size is managed with 10 minutes work. Set de width of the delivery, doffing and transport rails, change a bobbin adaptor, and then select the proper recipe from the HMI.

**Control:** The ML-100's PLC and plain language HMI enable on-the-fly modifications of fiber velocity, traverse speed and traverse length setting. The HMI is a touchscreen with intuitive display and easy to understand pictographic keys. Once the settings are settled for a particular fiber and bobbin arrangement then the recipe may be stored in the PLC for easy recall. Recalling a recipe automatically adjusts the machine for running eliminating the need for operators to do anything more than set the tensions and start winding

**Operation:** The machine is fully automatic for loading and doffing bobbins. There is an option for hot knife or mechanical cutting as well as automatic installation of clip to control lively fibers after cutting. Once de bobbins are completed they doff to the bottom of the machine where they may be deposited into a box or onto a rail for side delivery.

**Waste:** Wasted fiber is a perennial issue with automation/ mechanical traverse controls. The ML-100's linear motor traverse enables the spindles to stop at the pre-set length and the traverse move to doffing without additional winding.

**Quality:** Traverse and spindle speeds are co-ordinated to assure a constant number of wrap. The ML-100 features constant line speed

Av. dels Dolors, 13  
Apt. Correos (PO Box) 228

08243 - Manresa · Barcelona · SPAIN

Tel.34-93 874 57 11 / 34-93 878 49 50

Fax 34-93 877 26 82

e-mail: [ratera@ratera.com](mailto:ratera@ratera.com)

[www.ratera.com](http://www.ratera.com)



### Vertretung / Distribution:

Heinke GmbH HeiTec  
An der Beek 80  
D-41372 Niederkrüchten/Germany  
Mr. Andreas Heinke  
fon: +49 163 2434653  
fax: +49 2163 83095  
mail: [office@heinke.de](mailto:office@heinke.de)  
web: [www.heinke.de](http://www.heinke.de)