

STRETCH & PRE-STRETCH FILM

Hand rolls

Machine rolls

Mini-rolls

Pre-stretch rolls

Cling film rolls

Pre-cut cling film rolls

Pre-stretch cling film rolls

RES-UNI

Technical features

Dimensions	1.630 x 1.880 x h 2.240 mm
Weight	960 kg
Motors	3 servo driven brushless motors
Installed power	28 kW
Power Supply	400V ~ 50 Hz
Average electricity consumption	Approx. 4 kWh working with 2 motors on (Approx. 8 kWh working with 3 motors on)
Air supply	6 bar
Air consumption	Approx. 60 NI/min
Display	10" touch screen colour display

Mother rolls

Cardboard core internal Ø	76 mm
Max. weight supported	83 Kg
Max. external Ø	480 mm
Min. material width	400 mm (opt. 300 mm)
Max. material width	600 mm
Material thickness	5 -50 µm*

Finished rolls

Cardboard core internal Ø	50 mm, 76 mm
Opt. cardboard core internal Ø	Depending on customer's requirements
Max. weight	20 Kg*
Max. external Ø	300 mm
Cardboard Cores Hopper Capacity	Up to 250 cores Ø 38 mm Up to 150 cores Ø 50 mm Up to 50 cores Ø 76 mm

* Depending on material type and accessory used

** 6.000 m long each

Performances

Max. rewinding speed	1.500 m/min*
150 m roll cycle time	Approx. 11"5*
250 m roll cycle time	Approx. 15"5*
500 m roll cycle time	Approx. 25"5*
1.500 m roll cycle time	Approx. 65"5*
8 hours avg output for 150 m rolls (Ø 50 mm)	53 mother rolls**
8 hours avg output for 250 m rolls (Ø 50 mm)	64 mother rolls**
8 hours avg output for 500 m rolls (Ø 76 mm)	75 mother rolls**
8 hours avg output for 1.500 m rolls (Ø 76 mm)	85 mother rolls**

Sensors and Control Systems

Presence of cores sensor	<input checked="" type="checkbox"/>
Film wrapped on cylinder sensor	<input checked="" type="checkbox"/>
Material presence sensor	<input checked="" type="checkbox"/>
Hot wire fault sensor	<input checked="" type="checkbox"/>
End of mother roll sensor	<input checked="" type="checkbox"/>
Electronic rewinding tension control	<input checked="" type="checkbox"/>
Pneumatic lifting of the mother roll	<input checked="" type="checkbox"/>
Motorized system for mother roll centering	<input checked="" type="checkbox"/>
Hot-wire adjustable cutting system	<input checked="" type="checkbox"/>
Automatic change of the output roll	<input checked="" type="checkbox"/>
Material rewinding by pre-set of meters	<input checked="" type="checkbox"/>
Material rewinding by calculation of diameter or weight of the finished roll	<input checked="" type="checkbox"/>
Kit for the production of finished rolls with air	<input checked="" type="checkbox"/>

OS and functions

Operative System	Maklaus Genuine HMI OS
Remote assistance capability	<input checked="" type="checkbox"/>
Industry 4.0-Ready software	<input checked="" type="checkbox"/>
Intuitive HMI with multi-language operator and maintenance menu	<input checked="" type="checkbox"/>

Compatible accessories

Pre-stretch accessory	Available
Mini-roll	Available
Mini-roll Automation	Available
ALI-kit for food grade material	Available
Pre-cut	Available
Rollback	Available

Optional equipment

Mother roll automatic alignment system	Option
Finished rolls indexing table	Option
Kit for rewinding on cores Ø 38 mm	Option
Finished rolls diameter-control system	Option
Upside-down rewinding system	Option

* Depending on material type and accessory used

** 6.000 m long each

PRE-STRETCH

Rewinding speed	Up to 1.200 m/min
Pre-stretch adjustable ratio	Up to 400%*
Adjustable edge-folding device	<input checked="" type="checkbox"/>
Adjustable material oscillation width	<input checked="" type="checkbox"/>
Hole detection system	Option

MINI-ROLL

Rewinding speed	Up to 1.200 m/min
Cutting tray including 9 blades and baldeholders	Standard
Blades type	TiN coated slitter blades
Finished rolls int. Ø	Depending on RES-UNI configuration
Path rollers	Special carbon-fiber rollers
Stripes widths available	2 x 250 mm 3 x 166 mm 4 x 125 mm 4 x 125 mm on 140 mm cores 5 x 100 mm 5 x 100 mm on 140 mm cores 7 x 70 mm 10 x 50 mm
Mini-roll Automation Module	Option

ALI-KIT FOR FOOD GRADE MATERIALS

Food grade certified rubber components	<input checked="" type="checkbox"/>
Blade cutting system	<input checked="" type="checkbox"/>
Adjustable length pre-cut accessory	Option
Rollback accessory	Option

Technical specifications may vary depending on the release version.

