



**ICE-Trade sro**  
International Conveyor Equipment & Trading

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## ICE-Trade ® Winding Machines



The ICE-Trade Winding Machine winds rubber strips, side skirt rubber and other flexible material strips to rolls.

The standard size strips is from .... till 350 x 40 mm.

Standard the roll of material can be maximum  $\varnothing$  950 mm. and having a weight of maximum 120 kg.

According the need of the client we can, of course, adapt the dimensions and maximum weight to be winded.



The expanding axle has 8 mechanical expanding tips which make the axle 10 mm. bigger in diameter. This is for the winding.

Once the winding of the strip is done the operator pushes in the handle from the inner axle, so that the expanding tips go inwards of the axle and make that the inner diameter gets 10 mm. smaller.

This way the roll is easily taken off from the axle.



The ITWM is operated with a foot pedal which has 2 positions, slow and fast. The pedal is “hold to run” according EU safety standards.

The winding speed can be variable regulated. Run counter clock wise and clock wise. The counter clock wise direction is the right sense for winding.

The emergency stop system is according class 4 of the safety standards.





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The steel frame is powder coated in a RAL color according to the wish of the customer. The machine covers are from stainless steel, the 'table blade' from aluminum.

Electrical parts built in: the frequency regulator from Lenze, engine/gearbox from Lenze, emergency stop system according to class 4 from the CE safety regulations, other electrical components are from Omron.

Bearings built in are from SKF.



### Technical specs

<b>Type</b>	ITWM
Length	0.65 m
Width	0,65 m
Height	1,4 m
Weight	350 kg
Height rollers	0,7 m
Winding speed	Variable till 14 RPM
Noise	< 70 dB (A)
Tension	230 V
Phases	2
Amps	10 A
Engine winding axle	0,75 kW
Drive	Duplex chain
Max. weight rubber roll	120 kg.
Max. ø rubber roll	950 mm.



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After cutting the rubber slaps into strips, with the ICE-Trade Slitting Table, the Winding Machine can be put easily behind the Slitting Table to wind all the strips, as it features 4 castors with 2 of them with breaks.

Once the winding job is done the Winding Machine can be put aside till the next winding job has to be done, so that no production place is taken by the Winding Machine.



ICE-Trade Belt Slitting Table

## The result





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## **ICE-Trade ® Strip / Sheet Winder**



**ICE-Trade multiple Strip / Sheet Winder with ICE-Trade Coupling and Brass Bearing Support**

The ICE-Trade Multiple Strip Winder winds the rubber or PU strips after cutting out of the sheet by the Slitting Machine. Those strips are used for skirting in the conveyor installation.

The Multiple Strip Winder is placed direct behind the Slitting Table and winds all the cut strips in one go.

To enable getting the axle out of the individual strips are wind on carton cores.

The Multiple Strip Winder features an expandable winding axle, produced from either aluminum or steel, depending the diameter and the max. roll weight of the rubber or PU sheet. This axle works with compressed air to expand the tips.

The support of the winding axle is with brass bearings or with the ICE-Trade Safety Chucks.



ICE-Trade Sheet Winder with ICE-Trade Safety Chucks

Besides winding strips, the Winder can also wind up rubber or PU sheet, or PVC belts. The 2 adjustable input rollers are to guide and steer the strips or sheet so that all is wind in line.

The Strip / Sheet Winder is operated by a handheld or foot pedal.

Power of the engine is depending the weight.

The ICE-Trade Strip / Sheet Winders are custom built, depending the needs of the customer.



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ICE-Trade Coupling and Brass Bearing Support



ICE-Trade Safety Chuck



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### Technical specs

Type	ITSW-xxxx (width) - xx (weight)
Height Winding Axle	0,9 m
Winding speed	Variable till 14 RPM
Noise	< 70 dB (A)
Tension	230 V
Phases	2
Amps	10 A – 16 A
Engine Winding Axle	0,75 till 2,2 kW
Drive	direct
Max. weight rubber roll	till 2,8 T
Max. ø roll	till 1,5 m

### The result



For further information please do not hesitate to contact us.