ICE-Trade s.a.
International Conveyor Equipment & Trading

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ICE-Trade ® Belt Winders & Supports

The ICE-Trade Belt Winders are produced to size according the wish of the customer, so to the width, diameter, torque and the weight of the belts. Our standard winders feature a variable winding speed till 10 m/min.

On request the winders can be fitted with on wheels, to run on a rail, with casters so that the winder can be replaced easily on the needed position, or for outside use the winders features "sliding beams" from Hardox so that the winder can be dragged through the field behind a truck or shovel. Those winders have protective class IP 66.

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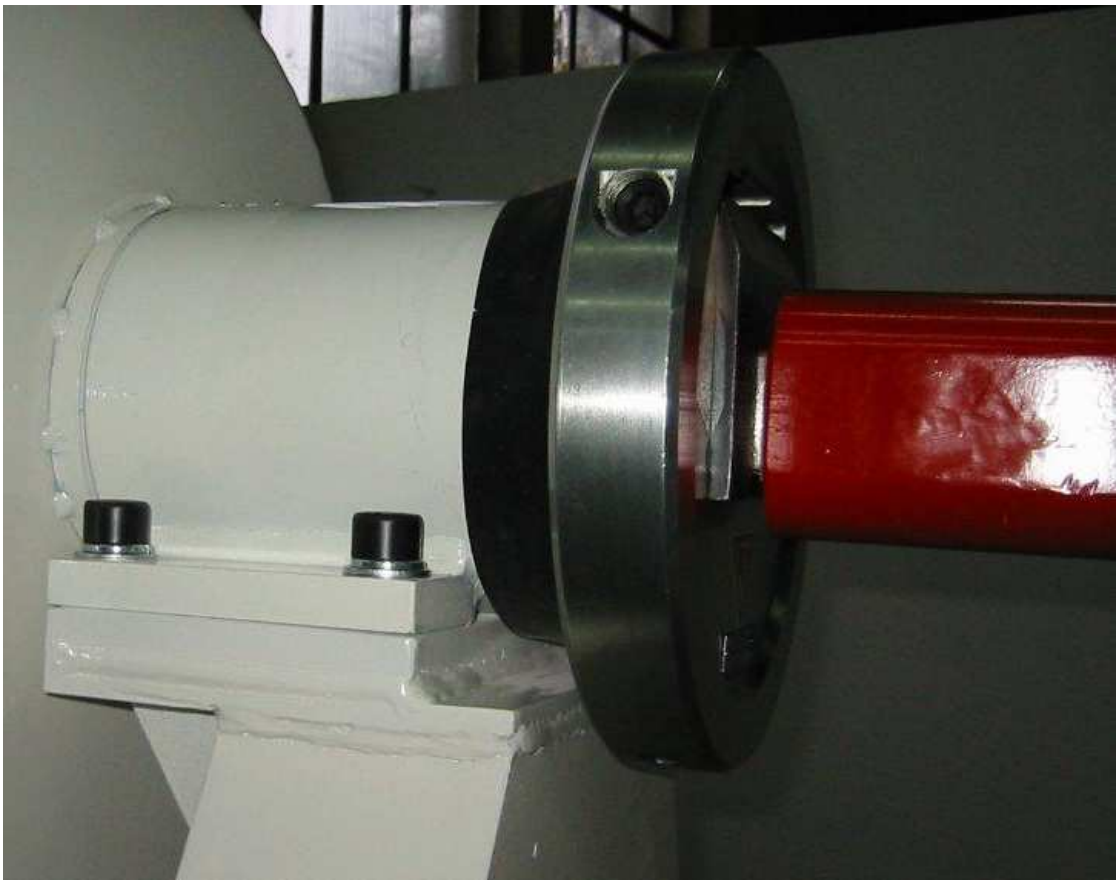
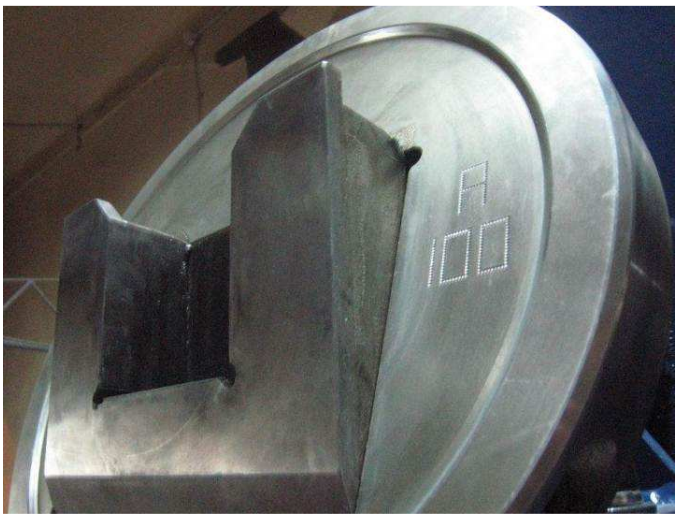
The winders can be made so, that those run synchronically with other machines linked to the winders. This can be the Belt Buffing Machine and also the Belt Slitting Table. This is directed by an optical sensor.



Winders till 64 tons and max. 41.000 Nm torque can be fitted with **Safety Chucks**. On request we can produce also the ICE-Trade designed 'bearing blocks' / 'couplings'.



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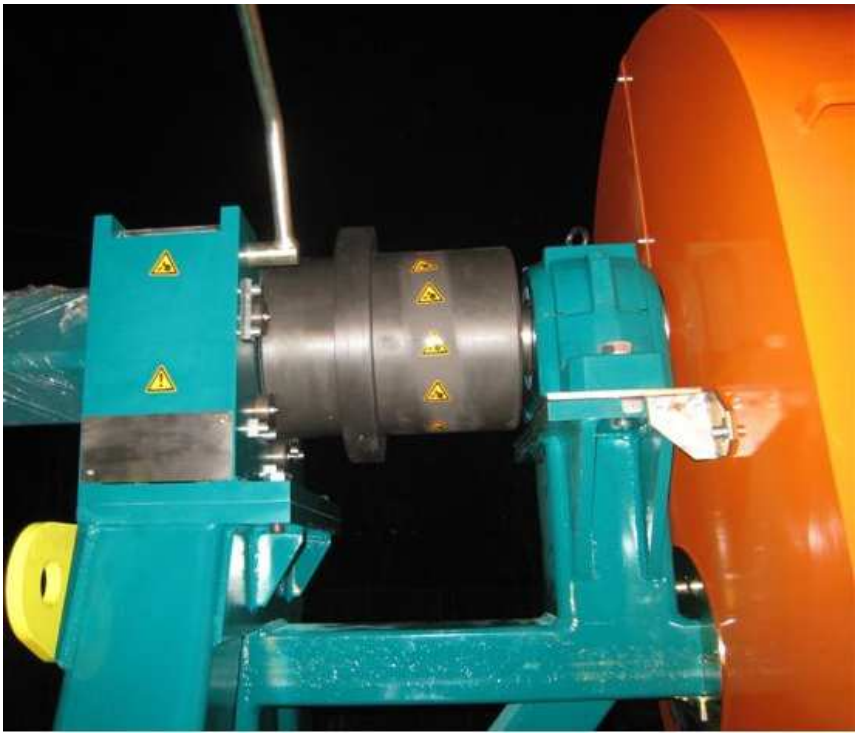

The ICE-Trade designed Coupling is an alternative for the Safety Chucks. It connects between the drive axle and the winding axle. The winding axle is supported by 5 rollers, at both sides and can easily lifted out of the installation. The capacity of the Coupling and winding axle Support are not limited regarding the weight and torque !

Depending the maximum reel weight, the complete structure is engineered and designed. It can be a standalone winder or a winder which has to be replaced once and a while.

Assembly of a winder.

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Operation of the belt winder is with a handheld, which is 'hold-to-run'.
On the cabinet are: main switch, reset button, speed regulator and switch hand / auto.
The hand /auto switch is to choose between manual operation or automatic in case the winder is linked with another machine like a slitting table or belt buffing machine.

For steering the belt ICE-Trade developed a simple and efficient system, so that the conveyor belt can be reeled neat.
The steering system is offered as an option.

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The ICE-Trade® Belt Winder in operation.

Some technical details of the above ICE-Trade Belt Winder :

- max. belt weight 12 T.
- belt width 2000 mm.
- max. diameter of the reel 3,3 m.
- variable winding speed till 10 m/min.
- engine 7,5 kW
- max. torque on the winding axle 9.000 Nm.
- Safety Chucks are installed

Details of the reeler at the left :

- max. weight 20 MT.
- max. diam. 3,6 m.
- max. width 2.150 mm.
- engine 11 kW
- max. winding speed 10 m/min.
- max. torque on winding axle 31.600 Nm.
- weight 7,8 MT.
- protection class IP66.
- ICE-Trade Coupling & Axle Support are installed

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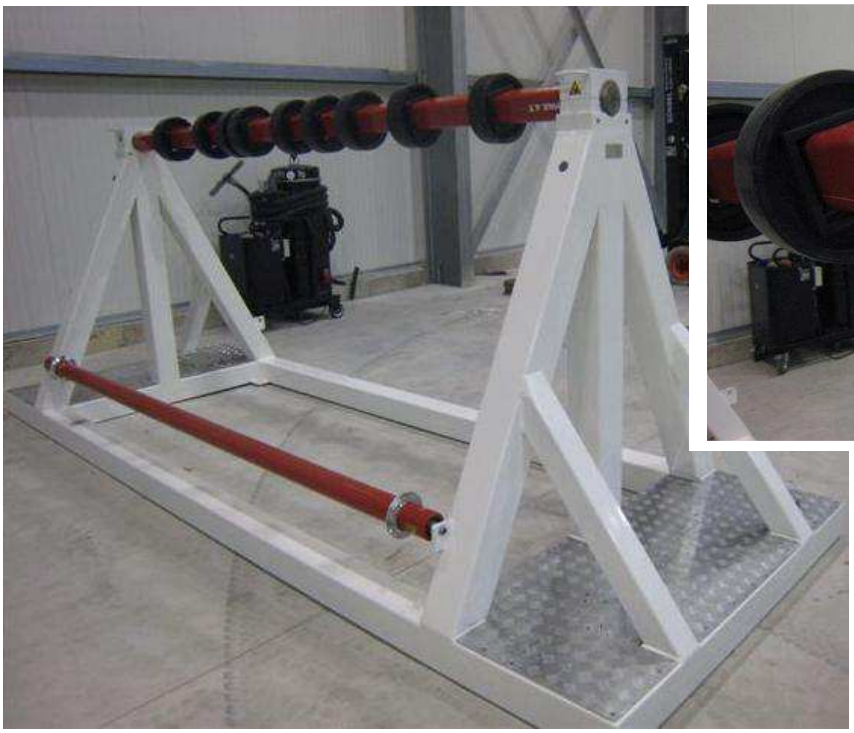
Only for unwinding the **ICE-Trade Belt Winder 'None Driven'** features a bronze bearing which acts as a mechanical brake.
The ITBW-ND can be used in combination with the belt slitting table and belt buffing machine as long as the weight of the roll of rubber does not exceed 1,5 MT.
On request an air or electric brake can be installed.



The white de-reeler has a load charge capacity till 9 MT and takes up till 3000 mm. belt width.

The red de-winder is for 2150 mm. belt width and max. 5 MT.

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For storage and de-winding of the conveyor belts : the **ICE-Trade Belt Supports**.

The belt supports are standard delivered without finishing (paint). On request those can be painted or hot dip galvanized.

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Information needed for a quotation of belt winders & supports are :

- belt width
- max. belt diameter
- max. belt weight
- motorized or not
- max. winding speed
- max. weight to be pulled

Technical specifications ITBW :

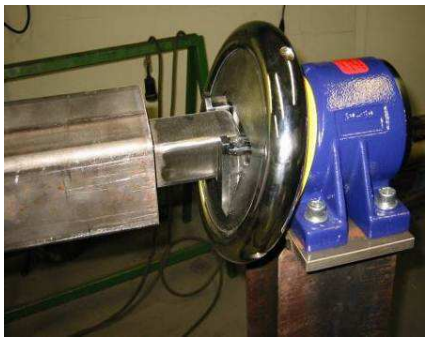
Type	**ITBW-xxxx** (width) **- xx** (weight in T)
Frame	Steel
Frame covers	Aluminum
Motor-gearbox	xx kW, 400 V. reversible, with brake
Secondary drive	chain, duplex or triplex
Safety chucks	till 64 T. weight
Winding speed	variable till 10 m./min.
Weight	xxxx kg., depending the capacity
For materials	conveyor belts, rubber and PU sheets

Technical specifications ITBW-ND :

Type	**ITBW-xxxx** (width) **- xx** (weight in T)**-ND**
Frame	Steel
Weight	xxxx kg., depending the capacity
For materials	conveyor belts, rubber and PU sheets

Technical specifications ITBS :

Type	**ITBS-xxxx** (width) **- xx** (weight in T)
Frame	Steel
Weight	xxx kg., depending the capacity
For materials	conveyor belts, rubber and PU sheets



All the machines built by ICE-Trade ® are supplied with CE certificate, user's manual and operator training.

For further information, please do not hesitate to contact us.

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