

SOPREM

SWISS QUALITY 

DECOILER AND REWINDER

COILER

The history of SOPREM was starting in 1961 when the first simple decoiler has been manufactured. SOPREM coilers are offering a safe decoiling, feeding and rewinding of coiled material. Our machines are equipped with a wide variety of mandrels and spool take ups, optimally adapted to the customer's requirement. The well selected loop control system, to fit the respective material is allowing the ideal signal emission for the functioning of the control. Therefore even delicate operations with critical material dimensions can be handled.

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Decoiling/rewinding strip material

The large range of options, like several drive and brake systems, loop controls, interlayer decoilers/rewinders, pressing arms, strip conveying systems and pivoting coilers are completing our offerings. More and more precision mandrels with centrally adjustable jaws for coil clamping are used. This execution is preserving the edges of thin and narrow strips and is guaranteeing an accurate strip guiding. Machines for horizontal coil handling as much as the processing of spools, even with traversed material, are rounding

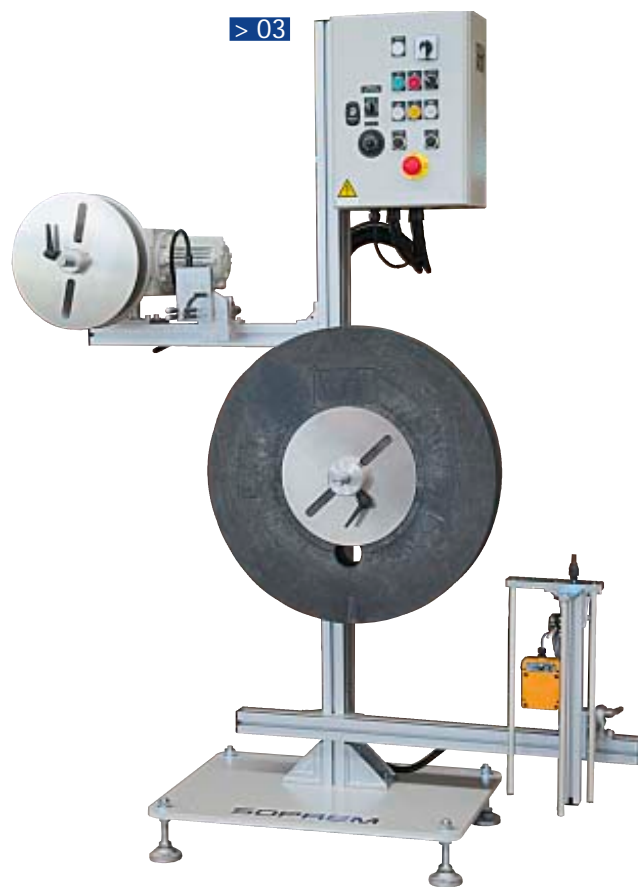
out our scope of delivery. The most current SOPREM lightweight coiler are suitable for loading weights of 30 to 500 kg. Several thousand machines are in service worldwide, they are especially popular among the watch and electronic industry. SOPREM is also supplying the equipment and car lobby and is therefore manufacturing coiler with loading capacity up to 8000 kg.



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Light duty Coiler

Standard loading capacity grading:
5 / 10 / 30 / 100 / 200 kg

> 01 Smallest module H5

Loading capacity 5 kg. Table unit or free mountable module suitable for decoiling small strips or wire on small bobbins. Loop control by dancer roll for continuous speed regulation.

> 02 Rewinder H30 L3

Loading capacity 30 kg. Bobbin clamping system by two aluminum discs and drive bolt. Loop control by capacitive sensor for automatic, contactless strip requirement regulation. With interlayer decoiler.

> 03 Decoiler/Rewinder H30 L3

Loading capacity 30 kg. Bobbin clamping system by two aluminum discs and drive bolt. Loop control system by capacitive sensor for automatic, contactless speed regulation. With interlayer rewriter/decoiler.

> 04 Rewinder/Decoiler for interlayer material EW/EB

Loading capacity 15 kg. Driven unit for interlayer material handling. Adjustable tensile force, automatic adaptation of processing speed. Freestanding or integrable device.

> 05 Decoiler H100 H90 B

Loading capacity 100 – 200 kg. Mandrel with four individually adjustable clamping jaws. Motorised pivoting range 90°. With friction brake for reeling-off material.

> 06 Decoiler/Rewinder H100 ST22/24

Loading capacity 100 kg. Precision mandrel of machined aluminum for admission of coils with outer-Ø up to 850 mm. Loop control by dancer arm for automatic, continuous speed regulation. With interlayer rewriter/decoiler.

> 07 Decoiler H100 U

Loading capacity 100 kg. Precision mandrel of machined aluminum for admission of coils with outer-Ø up to 850 mm. Loop control by ultrasonic sensor for automatic, continuous speed regulation. With interlayer rewriter.



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Heavy duty Coiler

Standard loading capacity grading:
500 / 1000 / 1250 / 1500 / 2000 / 3000 / 4500 / 6500 /
8000 / 10000 kg

> 08 Decoiler H200 U

Loading capacity 200 kg. Precision mandrel of machined aluminum for admission of coils with outer- \varnothing up to 1050 mm. Loop control by ultrasonic sensor for automatic, continuous speed regulation.

> 09 Decoiler H500 B

Loading capacity 500 kg. Mandrel with three jaws and centric coil clamping. With friction brake for reeling-off material.

> 10 Decoiler H500 with crane

Loading capacity 500 kg. Mandrel with three jaws and centric coil clamping. Loop control by ultrasonic sensor for contactless, continuous speed regulation. Integrated jib crane for coil loading.

Rewinding installations

Some operations are requiring that the correct strip edge is oriented to the front side or that a defined strip surface is oriented upside. In this case it is necessary to rewind the material from clockwise to anticlockwise winding or vice versa. Rewinding processes are also used for tailoring individual bobbin sizes.

> 11 Rewinding installation for wires, profiles and narrow strips

Loading capacity 2×100 kg. Horizontal/vertical pivotable decoiler, rewinder with mechanical traversing device which can be activated by need. Continuous speed regulation, length measuring and preselection counter.

> 12 Rewinding installation for strips

Loading capacity 2×100 kg. Processing of strip material onto several bobbins. With interlayer rewinder/decoiler. Continuous speed regulation, length measuring and preselection counter.

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>13 Decoiler H1250

Loading capacity 1250 kg. Mandrel with three jaws and centric coil clamping. Loop control by ultrasonic sensor for contactless, continuous speed regulation. Pneumatic pressing arm.

>14 Double Decoiler H1500 D

Loading capacity 2×1500 kg. With this kind of machine a significant coil changeover time can be attained. All single coilers are available as double coilers as well.

>15 Double Decoiler H3000 D

Loading capacity 2×3000 kg. Mandrel with three jaws and centric coil clamping. Loop control by ultrasonic sensor for contactless, continuous speed regulation. Pneumatic pressing arm.

>16 Decoiler H3000

Loading capacity 3000 kg. Mandrel with three jaws and centric coil clamping. With hydraulic auxiliary motor and pneumatic disc brake. Two hydraulic pressing arms.

>17 Decoiler H6500

Loading capacity 6500 kg. Mandrel with three jaws and centric coil clamping. Pneumatic pressing arm. Hydraulic coil loading car.

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Standard loading capacity grading

1500 / 2500 / 4000 / 6000 kg

All our pallet decoilers are also suitable for multicoil applications!

> 18 Pallet Decoiler PH 1500

Loading capacity 1500 kg. Pallet Decoiler, loop control by vertical dancer roll with smooth adjustable spring tension force. Suitable for decoiling thin and narrow strips during high stroke rates.

> 19 Pallet Decoiler/Rewinder PH 1000

Loading capacity 1000 kg. Pallet Decoiler, loop control by horizontal, linear material detecting roll with adjustable pneumatic contact force. Lifting mechanism for height adjustment of rotating plate, eligible for processing of each upper coil with steady passing height.

> 20 Horizontal Decoiler PH 1500

Loading capacity 1500 kg. Horizontal Decoiler/Rewinder with special mandrel, braked or motorised, to be equipped with several loop controls.

> 21 Two-storied Pallet Decoiler 2PH 1500

Double pallet Decoiler with smoothly adjustable strip extractor and loop control by ultrasonic sensor for gentle decoiling of thin and narrow strips. Also suitable for multicoil applications.

> 22 Three-storied Pallet Decoiler 3PH 1500

Triple pallet Decoiler with smoothly adjustable strip extractor and loop control by capacitive sensors for gentle decoiling of thin and narrow strips. Also suitable for multicoil applications.

> 23 Pallet Decoiler system for high line speeds

Loading capacity 1500 kg. Special pallet Decoiler with strip feeder and loop control with vacuum box. Suitable for very high speeds up to 70 m/min and for big feed length.

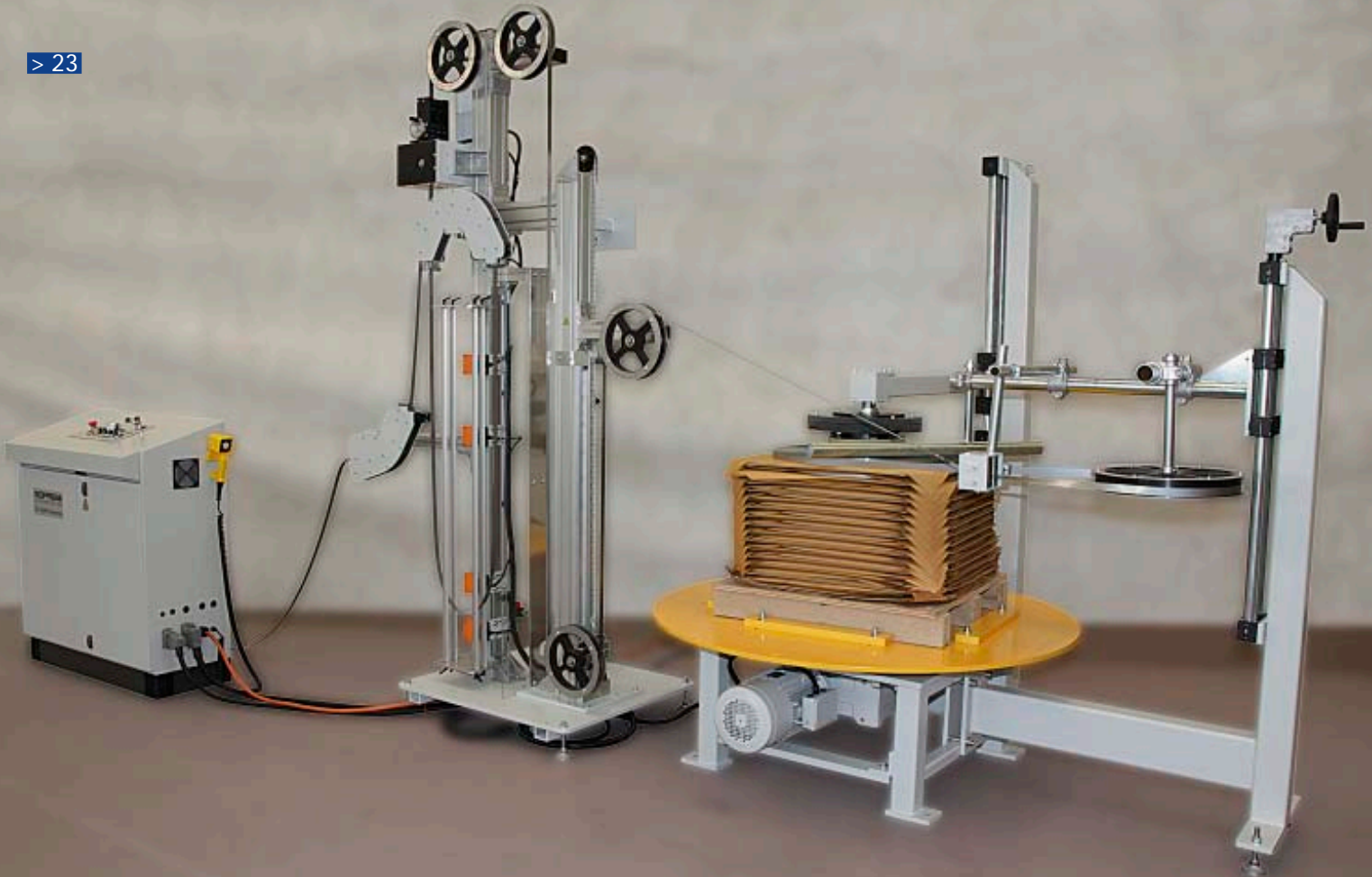
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Bobbin Decoiler

> 24 Bobbin Decoiler SAB 1000

Loading capacity 1000 kg. Motorised bobbin decoiler equipped with two shafts mounted in bearings and four rubberized supporting rolls. Bobbin resting on driven, rubberized rolls. Several loop controls available.

> 25 Bobbin Decoiler SAB 100

Loading capacity 100 kg. Motorised bobbin decoiler equipped with two shafts mounted in bearings and four rubberized supporting rolls. Bobbin resting on driven, rubberized rolls. Useful, folding down loading ramp. Several loop controls available.

> 26 Bobbin Decoiler SPH 1500

Loading capacity 1500 kg. Motorised bobbin decoiler with two pintles for clamping, lifting and driving of bobbin. All motions automated. To be equipped with several loop controls.



Rewinding – Traversing

Narrow strips or wires are often coiled and traversed in layers onto bobbins. The rewinding-module with the clamped bobbin is oscillating laterally while the material guide is remaining in place. SOPREM is also offering custom-made solutions for such applications, always suitable for an authentic operating process.

> 27 Rewinder-mechanical traversing device

Loading capacity 100 kg. With mechanical traversing device. Traversing step and mechanical stops for direction change, frontal adjustment by crank handle. Machine suitable for rewinding and traversing material onto special mandrel, once standard bobbin undesirably.

> 28 Rewinder-mechanical traversing device

Loading capacity 10 – 60 kg. With mechanical traversing device. Traversing step and mechanical stops for direction change, frontal adjustment by crank handle or by touchscreen, adjustable for an accurate traversing of thin and narrow strips or wire onto bobbins.

> 29 Rewinder-electronic traversing device

Loading capacity 10 – 60 kg. With electronic traversing device. Modern, fully automated touchscreen-control with all necessary adjustment possibilities for a perfect traversing result of several material layers. Suitable for rewinding of thin and narrow strips or wire onto bobbins.



Decoiling of wire, pipes and profile material with up to 16 mm diameter. Our range of products is covering braked as well as driven machines with loading capacities 10 – 6000 kg. According to the current operating process again our appropriate loop control systems are available.

Standard loading capacity grading: 10 / 30 / 80 / 200 / 500 / 1500 / 2500 / 4000 / 6000 kg

> 30 Wire Decoiler DH 30/80

Loading capacity 30 – 80 kg. Wire decoiler mounted on height adjustable lifting plate. Centric adjustable mandrel for coil clamping. With friction brake for reeling-off material.

> 31 Wire Decoiler DH 200/500

Loading capacity 200 – 500 kg. Wire decoiler equipped with loop control by vertical roll and spring tension force system mounted on radial arm.

> 32 Wire Decoiler DH 200 horizontal/vertical

Loading capacity 200 kg. Mandrel with three motorised, centric adjustable clamping bolts. Motorised pivoting range 90°. With friction brake for reeling-off material.

> 33 Wire Decoiler DH 1500

Loading capacity 1500 kg. Wire decoiler equipped with four individual adjustable clamping bolts. Loop control by vertical roll and spring tension force system mounted on radial arm. Roller cross for steady wire throughput height after decoiling operation.

> 34 Wire Decoiler DH 6000

Loading capacity 6000 kg. Wire decoiler equipped with loop control by radial arm with spring tension force. For processing of wire coils, with all-around wire bouncing protection for highest safety.

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SOPREM Automation AG
Schlettstadtstrasse 4
CH-2540 Grenchen
Switzerland
Tel. +41 32 644 35 35
Fax +41 32 644 35 11
www.soprem.ch
info@soprem.ch