

**Automatic decoiler - rewinder for strip material, loading capacity 30kg**



H30/J1/10M/L3-EW/J1/N0

- Automatic decoiler/rewinder with paper interleaf
- Rewinder and decoiler for feeding of strip material into presses, assembling machines, plastic moulding presses and other strip working machines
- Loop control system for feeding of the following machine with material, without touching the strip
- Paper interleaf decoiler/rewinder with tension regulated drive with self-adapting speed

**Technical equipments**

- Modular construction with many available accessories adaptable for all applications
- Loop control system with proximity sensor
- Easy transportation by a fork lift,
- The paper interleaf rewinder or decoiler with special, tension regulated drive, also usable as brake for unmotorized decoiling
- Electrical control with universal interface for all applications

**Specifications**

Loading capacity	max. 30 kg
Strip width	max. 60 mm
Coil – outer ø	max. 900 mm
Paper roll outer ø	max. 300 mm
Speed range	0 - 10 U/min
Strip thickness	0,1 - 1 mm

Technical data subject to change

**Options**

- Description of the options: see the following pages
- The execution shown contains the following options:
- Side guides for spools J1
- Drive with adjustable speed 10M
- Loop control with capacitive proximity sensor L3
- Emergency switch for „no loop“ situation N1
- Paper interleaf rewinder with side guides EW/J1
- Interleaf detection for situation „paper interruption“ N0

Client specific constructions upon request

<b>Accessories for H30:</b>		
Code	Description	Application
H/30	Basic execution for loading capacity 30 kg	Without drive, without mandrel, without control box Only socket and vertical shaft lodged in ball bearing
<b>Mandrels to fix coils and side guides to fix spools:</b>		
C	Just horizontal shaft, without disks	Shaft $\varnothing$ 25 mm, length 160 mm
J1	Side guides disks $\varnothing$ 300 mm	To fix spools with outer- $\varnothing$ up to maxi 800 mm
J2	Side guides disks $\varnothing$ 500 mm	To fix spools with outer- $\varnothing$ up to maxi 1'000 mm
680A	4 arms precision mandrel with 4 individually adjustable bolts	To fix coils with outer- $\varnothing$ maxi 650 mm. The aluminum retaining ring as well the aluminum carrying ring are worked over at their front side which provides a perfect guiding of narrow material. It's also possible to fix spools
680R	4 arms mandrel with 4 individually adjustable bolts, with a welded and galvanized tubular retaining ring	To fix coils with outer- $\varnothing$ max. 650 mm. An aluminum carrying ring and a welded and galvanized tubular retaining ring provides the lateral guiding of the strips. For strip > 10 mm wide. It's also possible to fix spools
900R	4 arms mandrel with 4 individually adjustable bolts, with a welded and galvanized tubular retaining ring	To fix coils with outer- $\varnothing$ max. 850 mm. An aluminum carrying ring and a welded and galvanized tubular retaining ring provides the lateral guiding of the strips. For strip > 10 mm wide. It's also possible to fix spools
<b>Drive systems :</b>		
B	Without drive, with adjustable brake	To decoil not delicate strip material under tension. Tension is adjustable on the friction brake. For decoiling speed max. 20 m/min.
20M	Fix speed drive, 4-,8-,13- and 20 rpm, on choice	For machines with low speed as assembling machines or others
10M	Drive with adjustable speed range: 1-10, 2-33 and 3-46 rpm, on choice	For machines with high speed ranges, as high speed stamping presses and for continuous feeding of strip material
<b>Loop control systems :</b>		
LF	Flexible Probe, On- $\Delta$ ,t off function	For electrical conducting strip material, not too delicate, allowing to be touched by the probe
LK	Contact plate on bottom, On- $\Delta$ t off function	For electrical conducting strip material, not too delicate, allowing to be touched by the contact plate
L1 - L4	Proximity switches, On- $\Delta$ t off function. Infrared-, capacitive or inductive sensors	For delicate strip materials, pre stamped products, or generally for all non conducting materials. Provides touchless sensing of the material. For the choice of the correct sensor, please address you to SOPREM
SCH30	Loop control arm with roller on the strip for On-off function	For all strips, allowing to be touched and to have a little tension in the loop. Only recommended for models with drives 20M (fixed speed)
ST40	Loop control arm with roller on the strip for continuous speed regulation	For all strips, allowing to be touched and to have a little tension in the loop. Only recommended for models with drives 10M (speed regulated models)
XL4	System without touching the material with two optical sensors for start-stop function. Including one upper sensor for start, and one lower sensor for stop of the decoiler	for touchless sensing of all sensitive strips. Including following functions:- proximity sensor on the bottom of the system for situation "strip end" or "strip interruption", - switch on top for "no loop" situation. For drive systems type 10M and 20M
U	separate standing ultrasonic loop control system, without touching the material, for continuous speed regulation	for all material which doesn't absorb sonic sound. Specially recommended in relation with high speed applications (stamping machines , re-spooling applications). Not recommended in cases where strips have large spaces without material or for narrow strips < 8 mm. Only for drive systems type 10M
<b>Other accessories for decoilers or rewinders :</b>		
D	Dualsided decoiler	manual actuated swivelling mechanism with foot pedal
H	decoiler/rewinder shaft tiltable 90°	The coil table is tiltable by hand from a horizontal into a vertical position. Blocking possible in every position between 90°-180°
H5	decoiler/rewinder shaft tiltable 5°	The coil table is tiltable by hand 5° away from the vertical position
N1	emergency switch for "no loop" situation	Option for all "L" loop control systems.
G	deviation pulley	for all sensitive strips. To avoid rubbing between the strip and coil

## Accessories for H30, page 2

Decoiler or rewinder for paper or plastic interleaf materials:		
EB	paper interleaf decoiler with adjustable brake	to decoil interleaf material under adjustable tension while rewinding
EW	paper interleaf rewinder with torque regulated drive	to decoil or rewind interleaf material under adjustable tension while rewinding or decoiling the strip
J1	1 set of aluminum side guides $\varnothing$ 300 mm	to fix spools with outer $\varnothing$ maxi 300 mm
J2	1 set of aluminum side guides $\varnothing$ 500 mm	to fix spools with outer $\varnothing$ maxi 500 mm
NO	interleaf detection by microswitch for situation "paper interleaf interruption"	gives a contact signal in case of a eventual interleaf material interruption
X	different accessories depending on needs	on request

