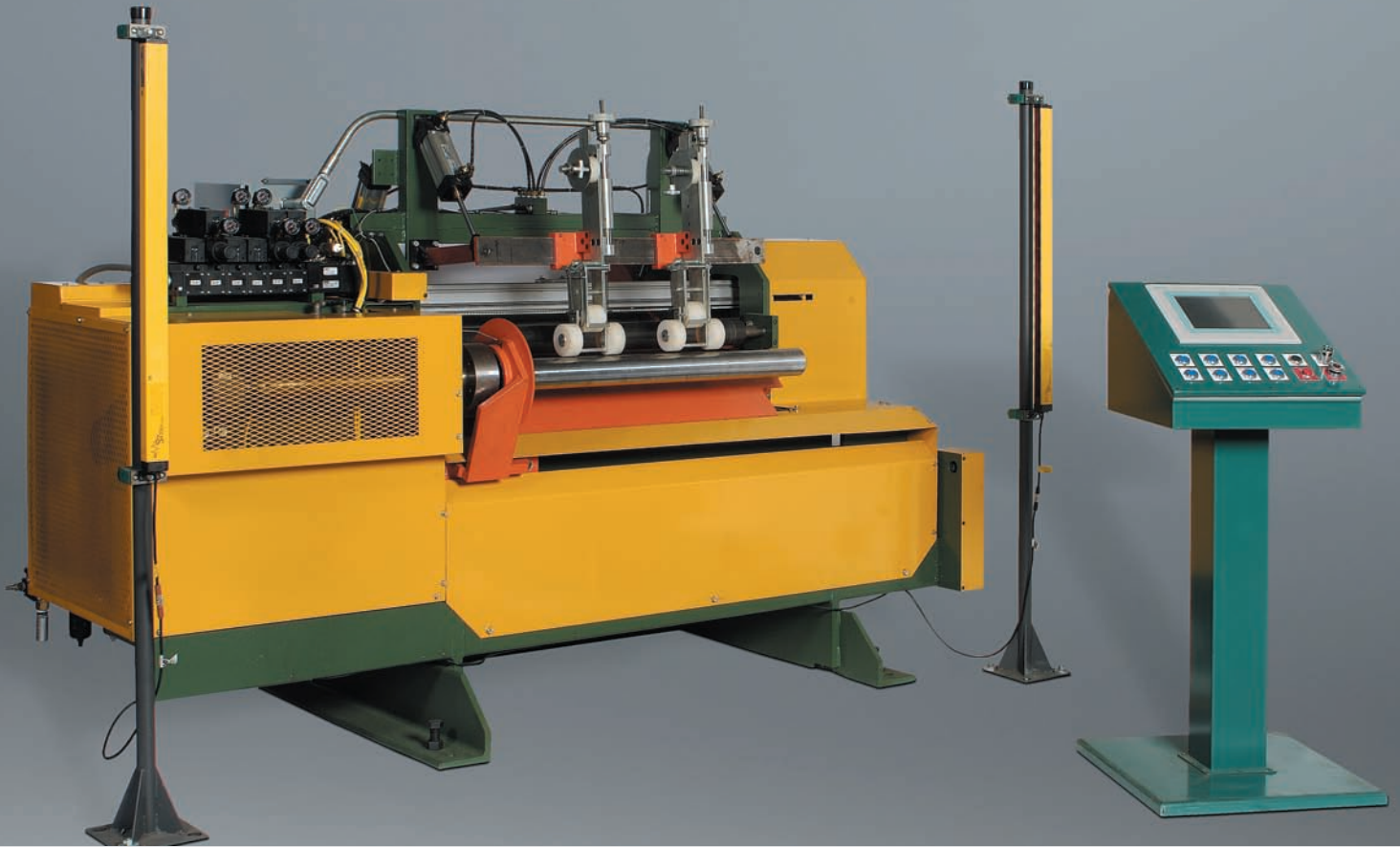


Roll Winder



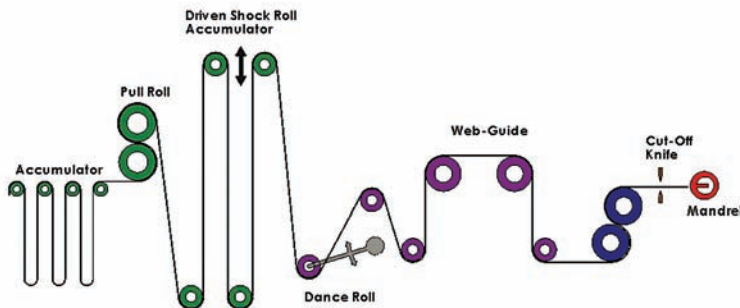
Safety, Performance & Reliability

Roll Winder RW20

Introducing a market-proven software and hardware solution

Fewer mechanical parts means less wear and tear

By reducing the number of parts and incorporating high performance controls, the RW20 Winder delivers greater reliability, requires fewer spare parts and operates at higher speeds than other winders currently on the market. The RW20 Winder is pre-programmed for your product matrix based on 64 available recipes (standard), Finished Product Accumulator capacity and a host of other variables. With the RW20, Reichel & Drews offers the most reliable, accurate roll winder on the market.



Applications

Model RW20-LS for Lower Speed (Up to 80 m/min)

- SBS/APP Modified Membranes
- Peel & Stick Membranes
- Maximum Line Speed: 80 mpm/262 fpm
- Winds up to 10 rolls per minute - 5m length
- 16 ft. 6 in. - 197 ft. (5m - 60m) roll length
- +/- 3/8 in. (10mm) length tolerance (with optional servo driven shock roll)
- Siemens Simatic Drives
- Siemens S7 PLC

Model RW20-HS for Higher Speed

- Saturated Felt Under Layment
- Built Up Roofing (BUR)
- Supports Line Speeds: 335 mpm (1100 fpm) - 4 sq rolls (44m)
213 mpm (700 fpm) - 2 sq rolls (22m)
- Winds up to 15 rolls per minute - 1 sq roll (11m)
- 36 ft. - 180 ft. (11m - 55m) roll lengths available
- +/- 1.5 in. (38mm) length tolerance (with optional servo driven shock roll)
- Siemens Simatic Drives
- Siemens S7 PLC

Roll Winder Control System

Our exclusive Siemens based Winder control system operates under a highly intelligent program that monitors every aspect of the winding process and automatically makes adjustments to various drive parameters, in order to obtain a finished, consistently wound roll of precise length. The program continuously monitors the position of the Finished Product Looper (FPA) and driven shock roll (if equipped), as well as FPA pull roll speed, winder feed roll speed and mandrel speed. This constant monitoring and self adjustment assures that the product is delivered to the mandrel at a consistent tension thus eliminating sheet breaks, mistreads and sudden shock waves that

Servo Driven Cross Cut Knife
(fly knife for applications of 80m/min or greater)

Servo Driven Mandrel



Servo Driven Ejector

Optional Core Inserter

effect length control, provides smoother overall operation of the mechanical systems thus reducing wear and tear. The electrical drives control system also senses any misfeed conditions and can quickly and automatically recover.

The HMI operator panel provides user friendly access and control of various winding process variables and parameters. Menu driven recipe screens quickly and easily guide you to the information you need. Alerts and system failures are quickly and clearly displayed for the operator allowing for quick recovery from any down time event.

Features:

Reichel & Drews roll winders feature S-wrap feed rolls for precise material feed control.

- Produces consistently wound rolls
- Tight length tolerance
- Quiet operation
- Minimum parts to wear
- Maximum reliability

Roll Winder RW20

Available Options

Core Inserter

Designed to insert a core into the roll as the roll is ejected off the winder mandrel, transfer the roll to a tip table for delivery of the roll to the conveying system for transport to the palletizer.

Designed to make only two movements, this proven core inserter is easy to program, troubleshoot and maintain



In-Line Taping Unit

Increase production through put by taping wound rolls independent of the winder thus freeing up the winder to wind the next roll. Unit applies 2 in. (50 mm) wide tape.



Taping Units

Both 2 and 3 head taping units, with independently operating tape heads apply 2 in. (50 mm) or 3 in. (75 mm) wide tape.



Driven Shock Roll Accumulator

Finished Product Accumulator Exit Pull Roll



International Headquarters

1025 West Thorndale Avenue
Itasca, Illinois, USA 60143
Telephone: (630) 773-2500
Fax: (630) 773-3414
www.reicheldrews.com
Email: reicheldrews@therdigroup.com



Reichel & Drews GmbH

Laubanger 18
D-96052 Bamberg
Germany
Telephone: +49 (951) - 9682584-0
Fax: +49 (951) - 9682584-99

Asia

Jin Du Mansion
3#, 1st District, Fangcheng Garden
Fang Zhuang
Beijing 100078, China
Telephone: 86-10-67644613
Fax: 86-10-67620684
Email: rdijqyao@public3.bta.net.cn



Experience • Quality • Delivery • Value