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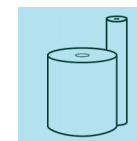
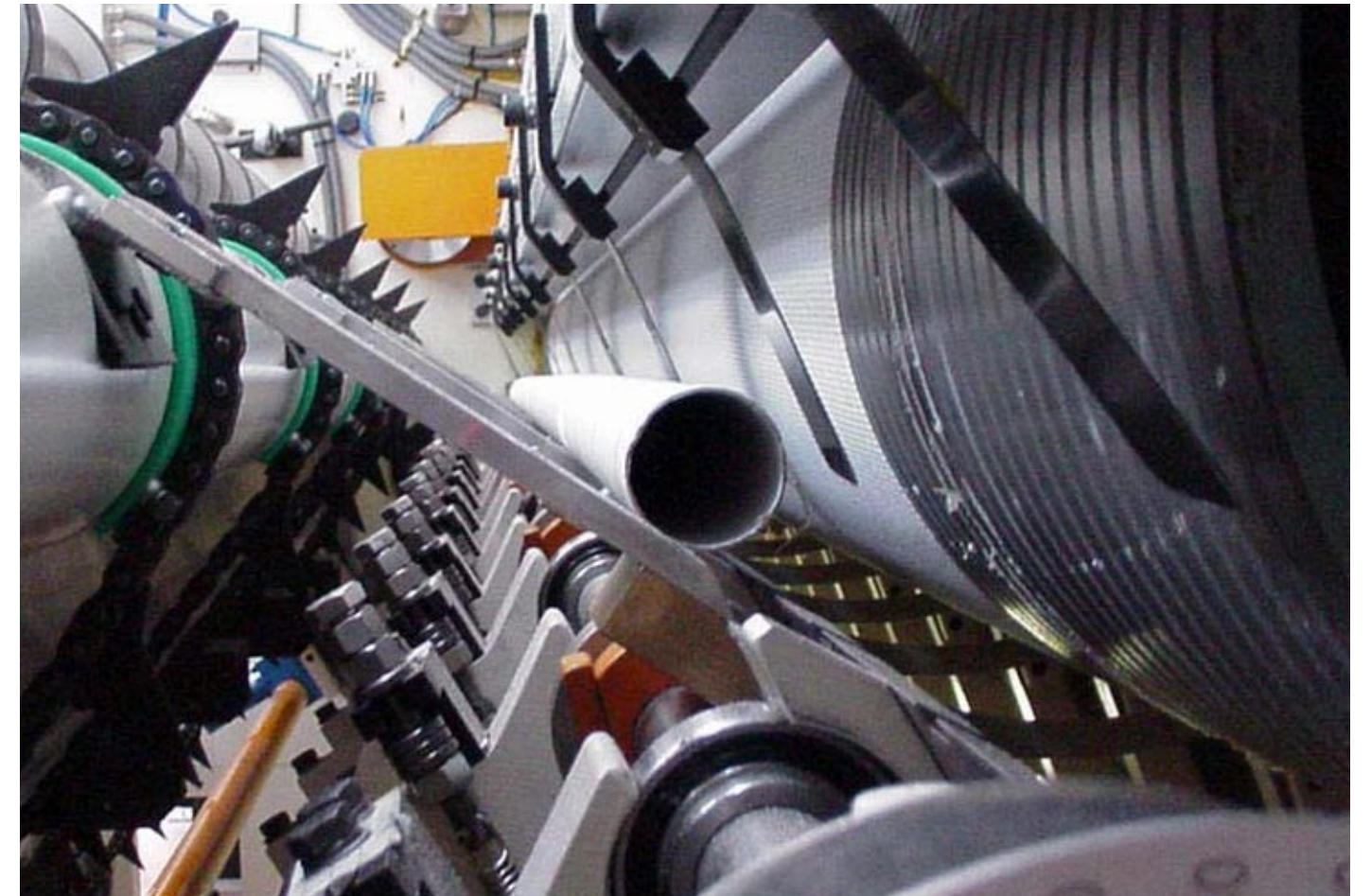
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780C

Industrial Rewinder



780C

Industrial Rewinder

FABIO PERINI



The automatic industrial rewinder model 780C has been conceived to convert industrial rolls with cores up to a speed of 800 mpm referred to the 2.7-m format.

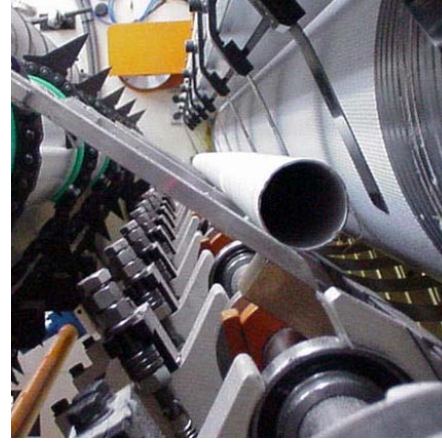
The Sincro unit, heart of the rewinder, confers construction simplicity to the machine at the same time guaranteeing maximum efficiency and precision to the entire production system.

The production process is monitored through electronic control and product change is carried out without manual mechanical intervention.

The rewinding phase is further controlled by two pneumatic inserts which come into contact with the core in order to prevent any lateral movement of the logs, thus guaranteeing their integrity in terms of size and compactness.

Flexibility is one of the main characteristics of this rewinder model, able to produce rolls within diameters that can vary from 120 mm to 450 mm, wound on cores of diameter between 30 mm and 93 mm, with or without perforation lines.

On the web, the 780C can make perforation lines at conventional intervals and at distances of over one meter for medical-surgical products. During the rewinding cycle of a log, a sole perforation can be carried out in order to allow the web to break off at the end of rewinding.



Technical Characteristics

- Nominal formats	2700 mm (106.3") and 2800 mm (110.24")
- Minimum paper width	700 mm (27.5") less than the nominal format with cores of Ø greater than 50 mm; 200 mm (7.9") less than the nominal format with cores of Ø smaller than 050 mm
- Pneumatic system	Min pressure 6 bar. Air consumption 100 l/min
- Main drive	Independent DC drives
- Lubrication system	Automatic centralized system
- Programmable control	Through PLC
- Production speed	Up to 800 mpm (2624 fpm) for format 2.7 m
- Web thread	Automatic
- Max installed power	105 Kw (140.81 HP)
- Draw roll	Tungsten carbide covered
- Rider roll	Tungsten carbide covered
- Roll being wound	Axial control through pneumatic chucks
- Winding rolls	Tungsten carbide covered
- Diatrol	Electronically controlled
- Lower winding roll speed	Adjustable by panel
- Web tension control	Through dancer roll
- Ply bonding unit	Included
- Servodrives	Brushless
- Servodrives control	Through axis control
- Perforation	Fixed perforating roll with 3 serrated blades, axially adjustable; rotating perforating roll with 6 helix mounted anvil blades
- Perforation length	With 4 blades from 135 mm (5.31") to 210 mm (8.27"); or with 6 blades from 90 mm (3.54") to 140 mm (5.51"); adjustable via panel
- Deceleration	Electronically controlled
- Core gluing	By rings with pump feeding

Product Specifications

- Max log production	Up to 28 logs/min
- Log diameter min - max	From 120 mm (4.72") to 450 mm (17.72")
- External core diameter min - max	Two ranges: from 30 mm (1.38") to 60 mm (2.36") and from 45 mm (1.77") to 93 mm (3.66")
- Sheet count	By increments of 1 without limits, until maximum diameter is attained; possibility to work only with the end-of-cycle perforation

1 - Mobile perforator

2 - Fixed perforator

3 - Edge embossing unit

4 - Core introduction

3 4 Details of Rewinder 780C