

TIME 1000

REWINDER



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TIME1000 is an automatic rewinder designed for the production of high-quality, soft, bulky, low-density hygienic tissue rolls and can reach a working speed of 1000 metres per minute. In the category of automatic rewinders TIME1000 is the most evolved expression of the "sincro" concept, but holds fast to the principles and the aims of flexibility, versatility and product quality that Fabio Perini S.p.A. has always observed in the study of its machinery. The well-known "Sincro" technology applied on the TIME1000 has been implemented with innovative concepts. TIME1000 is unique thanks to the application of two new patents: the new structure geometry of the draw section and the combined rewinding process. To the peripheral three-roll winding system the latter adds the motion transmitted to the central axis through motorized plugs introduced into the core of the log in the rewinding section. The transfer system of the glued cores into the introduction area for the rewinding has been simplified through the application of grippers, mounted on a pivoted servodrive-controlled axis for core locking and the subsequent transfer to the rewinding cradles. TIME1000 has been conceived for the converting of highly soft TAD like fibres, thus each detail was aimed to treat the material in question in the best possible way; the speed of each roll is adjustable.

Technical Characteristics

- Nominal formats	2700 (106.3"), 2800 (110.24"), 3400 (133.85") and 3600 mm (141.73")
- Pneumatic system	Min pressure 6 bar
- Air consumption	About 2000 NI/min
- Main drive	Independent drive
- Grease lubrication	Automatic central lubrication system
- Web thread	Automatic disconnectable
- Production speed	Up to 1000 mpm (1804 fpm) (for format 2700 mm)
- Max log production	Up to 45 logs/min with cones Up to 60 without cones
- Log diameter min - max	90 mm (3.54") - 160 mm (6.30")
- Core diameter min - max	38 mm (1.5")- 50 mm (1.97")
- Max installed power	90 Kw (120.7 HP)
- Draw roll	Aluminium rolls, tungsten carbide covered and speed adjustable by panel
- Rider roll	Tungsten carbide covered
- Winding rolls	D=255 mm (10.04 inch.), tungsten carbide covered
- Diameter control	N. 2 "Diatrol" controls for the rider roll N.1 Control for central winding
- Lower winding roll speed	Adjustable via panel; control by servodrive
- Servodrives	Brushless
- Servodrives control	Through axis control
- Perforation	Axially adjustable fixed perforating roll with 3 blades; rotating perforating roll with 8 elastic helix mounted blades
- Deceleration	Electronically controlled

Product Specifications

- Sheet count	By increments of 1 up to attainment of pre-set diam.
- Core gluing type	Glue line
- Perforation length with 8 blades	110 mm (4.33") - 140 mm (5.51")
- Perforation length with 4 blades	220 mm (8.66") - 280 mm (11.02")
- Perforation length with 2 blades	440 mm (17.32") - 560 mm (22.05")
- Perforation length with 1 blade	880 mm (36.65") - 1120 mm (44.09")
- Recommended core	450 g/m ²

