Rewind Module RW7

Purpose

Rewinding of a continuous paper web printed in a non-impact printer fed from an Unwinding Module UW7 for subsequent finishing in cutter, enveloping system, etc.

Method of operation

The roll core on the mandrel is moved mechanically into the working position on push-button command. Following the manual introduction of the paper web, the module initialization takes place automatically. The roll is driven from the center. To ensure constant web tension, the web passes through a braking unit. The rewinding speed is governed by a dancer control. The paper rolls can be rewound in either direction.

Special technical features

An efficient, heavy-duty Rewind Module handling rolls with a maximum diameter of 1370 mm / 54". Easy to use thanks to dancer lift and operator guidance via a touch panel. A triple dancer guarantees clean paper web contact, enabling both lightweight and heavyweight papers to be processed. The constant web tension, ensured by a non-slip brake unit and a centrally operating roll drive, guarantees that printed paper webs are wound tightly and with a straight edge.

Basic equipment

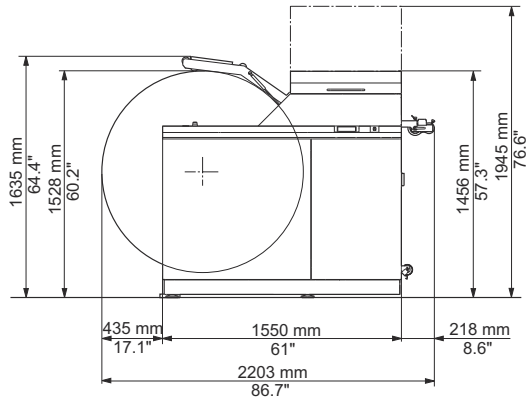
- Rewind stand with electro-mechanical roll lifting
- Operator interface with touch screen
- Web tear and max. roll diameter detector
- Pressure roller
- Fully automatic dancer lift

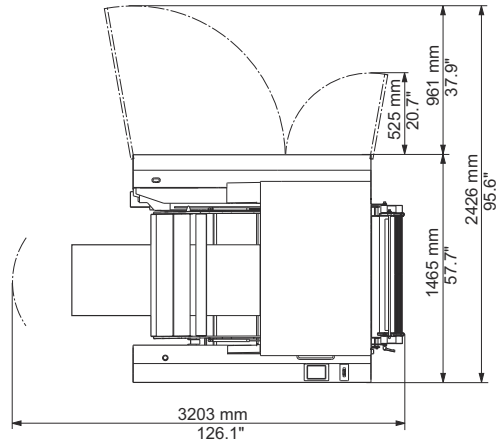
Technical variants

- Infeed with loop control
- Infeed with tight web (tension up to 50N)
- Infeed with active tensioning unit (tension up to 200N)
- Choice of pneumatic mandrels, for core diameters of 70 mm, 150 mm, 200 mm, 3", 5"
- Connection for air supply from UW7
- Service unit for external air supply
- Compressor for built-in air supply

Technical data

Paper weight:	40–300 g/m^2	
Roll width:	165–762 mm	6.5–30"
Roll diameter:	max. 1370 mm	54" (1)
Speed:	10–220 m/min. (2)	
Weight:	844 kg	
Maximum roll weight:	800 kg	





Electrical module data

Rated current:	7 A
Rated voltage module:	208–240Vac; +/–10%; LNPE/2LPE
Frequency:	50–60Hz
Effective power:	1191 W
Apparent power:	1610 VA
Heat dissipation:	4060 BTU/h 4284 kJ

Customer installation

Line supply:

Mains voltage a:	400Vac; +/–10%; 3LNPE
Mains voltage b:	3x208/240Vac; +/–10%; 3LPE
Branch fuse for a:	25AT
Branch fuse for b:	20AT
Surge protector for:	
– a:	L–N, L–PE for each phase, N–PE
– b:	L–L, L–PE for each phase

Standalone supply:

Mains voltage:	208–240Vac; +/–10%; LNPE/2LPE
Branch fuse:	16AT
Surge protector for:	
– LNPE:	L–N, L–PE, N–PE
– 2LPE:	L–L, L–PE for each phase

(1) Speed >150 m/min from a min. roll diameter of 200 mm

(2) Depending on max. speed different ramps for acceleration/ deceleration are necessary

Added value products:
Roll diameter and processing depending on product design, approval after testing

All technical data subject to change

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