Roll 20
Smooth, Fast, and Easy Printed Rolls

The Roll 20 solution includes

the Unwinder u20 and the Rewinder r20.

- ✓ **High speed - up to 833 fpm**
- ✓ **New ease of use features**
- ✓ **Paper roll up to 22.5" wide**
- ✓ **Automatic tension control system**

Printer time on your high speed digital printing system is too valuable to permit any unnecessary interruptions; your pre- and post-processing modules must provide the highest uptime possible. The Roll 20 keeps the newest, fastest web-fed digital printers operating virtually non-stop, unwinding and rewinding full 52" diameter rolls.

Center-shaft driven, this solution rewinds rolls at speeds up to 833 feet per minute, and is ideal for special applications such as labels. With designed-in reliability, operators can count on extended run times as well as minimal intervention. With over an hour of production between loading and unloading, there is no more efficient solution for handling digital printer output than the Roll 20.

Global service and around-the-clock support help ensure our reputation as the industry's reliability leader. Our products increase productivity, cut labor and paper costs, and even make new applications possible - Tecnau solutions truly empower digital print to help you do more with less.

TECNAU
Empowering Digital Print

The Roll 20 solution features the Unwinder u20 and Rewinder r20 which produce high quality, tightly wound rolls ready for inserting or near line finishing.

The Unwinder u20 features a new airshaft design for smooth high-speed feeding of a paper roll up to 22.5" wide and 52" in diameter into the digital press. The Unwinder u20 is easy to use with a vibrant touchscreen control panel, automatic detection for roll feed direction and semi-automatic roll loading.

Rewinder r20

Once the paper is printed, the Rewinder r20 rewinds a full 52" roll at speeds up to 833 feet per minute. The Rewinder r20 has an automated loop control for quick and easy loading of the paper web. It also includes an automatic tension control system making it easy to switch between applications of varying paper weights.

Easy transport

Other features of the Rewinder r20 include an interactive touch screen display and compatibility with multiple core sizes.

Options are also available for automated web guides and a center-slitting device. Once printed forms are rewound, they can then be transported to another unwinder to feed an inserter or offline cutter. Optional roll carts make roll handling, loading and unloading easy.

Optional Capabilities

Center Slitter
Slit web in center and rewind two rolls together.

Roll carts
Easily move, store and load paper rolls.

WebVision™
Capture large, high-resolution images of the entire web with no operator adjustments. WebVision verifies bar codes for readability, detects small image artifacts, and more.
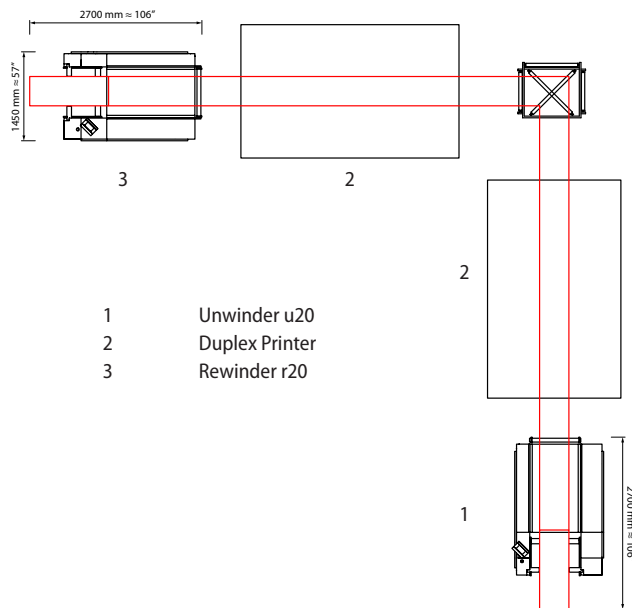
WebVision

Technical Specifications

Performance / Media

Speed Max	833 ft/min	254 m/min
Print	Simplex, Duplex	
Feeding	Pinfed or Pinless	
Paper Weight	40 - 300 gsm, 10.5 bond - 167.5 index	
Roll Diameter	4" - 52"	100 mm - 1320 mm
Roll Weight Max	1650 lbs	750 kg
Core Size	3, 5, 6"	70, 150, 200 mm
Web Tension	Adjustable 0 - 50 N	
Web Width	8" - 22.5"	200 mm - 570 mm

Electrical & Air

Power	400-480+6%-10% VAC, 3 Phase 50/60 Hz, 16A
Air	6 - 8 bar

Configuration Example

2700 mm ≈ 106"
1450 mm ≈ 57"
2700 mm ≈ 106"

1	Unwinder u20
2	Duplex Printer
3	Rewinder r20

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