

Data sheet

# HP Automatic Turret Rewinder



for HP Color Inkjet Web Presses



February 2014



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## Increase production

Increase your productivity and reduce manual intervention with the HP Automatic Turret Rewinder. Continuous roll-to-roll automatic splicing rewind technology lets your web press operate without stopping to offload rolls, improving throughput while keeping pace with the fastest of the HP T-Series presses.

## Boost productivity while maintaining flexibility

The HP Automatic Turret Rewinder offers added flexibility to process print jobs with varying finishing needs through roll-to-roll printing. It automatically rewinds and prepares the roll for offloading—with web widths ranging from 12 to 42 inches wide and at speeds up to 800 feet per minute. This helps keep production moving and frees up valuable operator time. With a fully automated process, there's no need to stop the press for rewinding purposes.

## Reduce your operating costs

With the reduced interventions and productivity gains enabled by the HP Automatic Turret Rewinder, you also achieve a lower overall cost per page. Presses enabled for splice detection will incur less paper waste because there is no reason to slow or stop the press to remove a rewind roll.

## Designed for quality and ease of use

The HP Automatic Turret Rewinder is specifically designed with MEGTEC to produce high-quality, non-telescoping rolls. It uses adjustments such as taper tension (linear and hyperbolic) to optimize the quality of the rewind roll, providing rolls that are consistently firm right from the core to help ensure productivity and profitability.

Automatic non-stop splicing and rewinding is managed by an industrial controller; the integrated operator's control and information display allows adjustable splice triggering based on roll diameter or paper length, or it can be triggered manually via the interface. The HP Automatic Turret Rewinder provides easy splice preparation of the new core. It also offers an integrated roll unloading system located within a safety cage around the entire roll unloading area.

Optional longitudinal slitting equipment—with slitting knives and spreader roller—are available. Slitting a 40-inch roll into two 20-inch rolls for finishing is a common application. Many combinations of slitting and trimming knives can be designed to meet your unique production requirements.

### Technical specifications

|                                  |   |
|----------------------------------|---|
| <b>Model number</b>              | HP-100TRW   |
| <b>Supported HP presses</b>      | 42-in presses - T400, T410 / 30-in presses - T300, T350, T360 |
| <b>Web width</b>                 | 12 to 42 in (300 to 1070 mm)                                  |
| <b>Roll diameter</b>             | 10 to 52 in (250 to 1320 mm)                                  |
| <b>Max roll weight</b>           | Up to 3300 lb (1500 kg)                                       |
| <b>Max speed</b>                 | Up to 800 fpm (244 m/min)                                     |
| <b>Media weight</b>              | 20-125 lb (30-200 gsm)  |
| <b>Core diameter</b>             | 3 in (76 mm)  |
| <b>Emergency stop rate</b>       | 315 fpm/s (1.6m/s <sup>2</sup> )                              |
| <b>Integrated roll unloading</b> | Lower 3300 lb (1500 kg) roll from Turret                      |
| <b>Longitudinal slitting</b>     | Custom solutions available (optional)                         |

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