



Slitter Rewinder

***Upgrades
& Retrofits***

**Cost-effective Solutions
for Increased Productivity**

TITAN 

Titan SR Series Control Desk Upgrade

The effective solution for resolving:

- **Obsolescence**
- **Reel quality problems**
- **High maintenance costs**
- **Low production from manual operation**

Associated upgrades

- Complete pneumatic SR6 panel replacement
- Digital pneumatic layon control
- Digital pneumatic rewind control
- Unloader

Features

- Prolongs operating life of machine
- Replaces obsolete control system
- Easy maintenance
- Simple operation

Options

- New AC motor technology
- Additional control panel for unwind
- DC drive replacement



The control desk upgrade for the Titan SR Series slitler rewinders replaces obsolete units with the latest technology.

As an option, the complete desk is replaced with the latest digital computer hardware and software for much improved web control.

Control desk - after

For the Titan SR6 slitler, the existing control desk can be re-used.

AC drive technology is available as an option, replacing web drive motors which help to reduce maintenance.

The desk has a user-friendly touch screen for all machine control parameters with hard wired stop/start controls.



Titan SR6 control desk - upgraded



Product dependent settings can be stored in PDF files, allowing quick change-over times between different jobs.

The system gives precise control of tension and contact, providing more repeatable rewind quality.

Control screen

Laser Core Alignment

The effective solution for resolving:

- **Inconsistent core positioning**
- **Machine downtime for core re-positioning**

Associated upgrades

- Differential quick shafts (essential)
- Semi-automatic rewind unloading system
- Unloader

Features

- Laser line of less than 1mm
- Minimum slit width 40mm
- Simple push button operation
- Laser on for pre-set time
- Class 2 laser to EN 60825-1

Benefits

- Reduced downtime
- Improved roll alignment
- Lower maintenance
- Consistently higher quality rewind reels



Laser core positioning system above rewind shaft

Laser core positioning is a manual system which is set only once by the operator for a specific production run.

The lasers are mounted above the rewind shaft.

The laser projects a line on to the rewind shaft at the point where the cores should be placed.

The laser pointer helps the operator to place the cores on the rewind shafts quickly, accurately and consistently.



Laser line projected onto edge of core



The accuracy of the positioned cores eliminates the need to adjust the cores during the run.

Lasers improve roll alignment

Semi-Automatic Rewind Unloading System

The effective solution for resolving:

- Production losses from operator fatigue
- Operator complaints regarding package weight
- Repetitive strain injury (RSI)

Associated upgrades

- Laser core positioning
- Unloading trolley or boom
- SR7 style door for SR5 & SR6
- Differential quick shafts (essential)

Features

- Suitable for 70-152mm rewind shafts
- Local operator controls
- Unload cycle time 10-20 secs, plus re-coring
- Automatic core unlocking (Quick Shaft)

Benefits

- Cost-efficient unloading
- Reduced risk of repetitive strain injury (RSI)
- Increased productivity



A new rewind unloading system fitted to a Titan SR5 slitter rewinder increases production

The slit reel unloading system is a retrofit product for the Titan SR range. The system pushes finished rewind packages off the rewind shafts to a trolley or unloading boom.

This reduces the risk of repetitive strain injuries. It also reduces damage to the finished rolls due to improved handling, delivering better quality rewind packages.

Operation is easy with user-friendly controls and a self-contained control system.

The system is used in conjunction with an unloading trolley or a semi-automated unloading boom.



The unloading cycle takes between 10-20 secs



Laser core alignment can be incorporated to allow easy re-coring of rewind shafts, reducing damage to cores and friction elements due to 'core knocking' during set-up.

Laser core positioning system

Differential Quick Shafts

The effective solution for resolving:

- *Slow set-up times*
- *Reel quality problems*
- *High maintenance costs*

Associated upgrades

- Laser core alignment
- Unloading systems
- Digital air pressure controller (E/P) upgrade

Features

- Fast product removal and core loading
- Only 15 mins per week maintenance
- Reduced core distortion

Benefits

- Even tension control across shaft
- Quicker & easier job set-ups
- Increased productivity
- Less core dust

Quick Shafts can be fitted to almost all Titan and some Atlas slitter rewinders.

The ball lock elements are available in various widths from 20 - 50 mm wide to accommodate narrower slit widths.



76mm Core lock friction elements

Quick Shafts work on the principle of differential winding. The torque to obtain tension is transferred using radial pressure, which ensures consistent tension across the web.



Finished rewind packages

The core lock friction elements are in various standard sizes but can also be made to order.

The standard diameters are 76 or 152 mm (3 ins & 6 ins) and can be available in 70 mm as an option.

The differential Quick Shaft system can be installed and commissioned in 2-3 days. It consists of Quick Lock shaft removal, air supply to the shaft and full operator and maintenance training.

Roll-out systems can be fitted as an option to enable quick changeover to air shafts for lock core winding.



152 mm / 6 ins Quick Shafts on a turret rewriter

Slit Reel Unloading Boom

The effective solution for resolving:

- *Manual unloading of slit reels*
- *Low productivity*
- *Repetitive strain injury (RSI)*

Associated upgrades

- Unloading systems
- Differential winding

Features

- Unloading to boom
- Unloading to conveyor (option)
- Electric or pneumatic (options)
- Semi-automated (option)

Benefits

- Increased productivity
- Reduced operator fatigue
- Improved roll quality
- Reduced package handling
- Decreased stop time



Unloading booms reduce rewind package handling

With today's increasing legislation on health and safety, the Titan SR range of slit reel unloaders has been designed to reduce physical strain on operators.

The design is particularly suited to food packaging applications where machines are working in a clean and hygienic environment.

Reels can be unloaded while the machine is running, increasing productivity.

The unloading boom can be installed and commissioned in one day (depending on options) and includes alignment to the slitter, interlocks and full operator and maintenance training.



Slit reels unloaded to boom



Boom in unloading position

The maximum weight per shaft is 400 kg for standard units. However, other options are available.



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