

TI CONVER

WORLD LEADERS IN SLITTER/REWINDER TECHNOLOGY

TAN

TING EQUIPMENT



TITAN'S PRINCIPAL PRODUCTS ARE HIGH-PERFORMANCE, CANTILEVERED SHAFT SLITTING AND REWINDING MACHINES WHICH CONVERT PARENT REELS OF VIRTUALLY ANY PACKAGING MATERIAL WITH ABSOLUTE PRECISION.

AUTOMATION, POWER ASSISTED HANDLING AND COMPUTER CONTROL FOR INSTANT REPEATABILITY AS WELL AS CHOICE FROM A WIDE RANGE OF STANDARD FEATURES ENABLE TITAN TO OFFER A MACHINE TO SUIT EVERY INDIVIDUAL CONVERTING REQUIREMENT.

Titan Converting Equipment Limited is a subsidiary of Atlas Converting Equipment plc, internationally renowned as world leaders in advanced technology slitter/rewinders.

Continuous product development maintains that position and ensures that the group can provide equipment to solve any slitter/reviewer problem either with standard 'off-the-shelf' equipment or with special 'tailor-made' machines.



MULTI-PURPOSE

SR6

SLITTER REWINDER

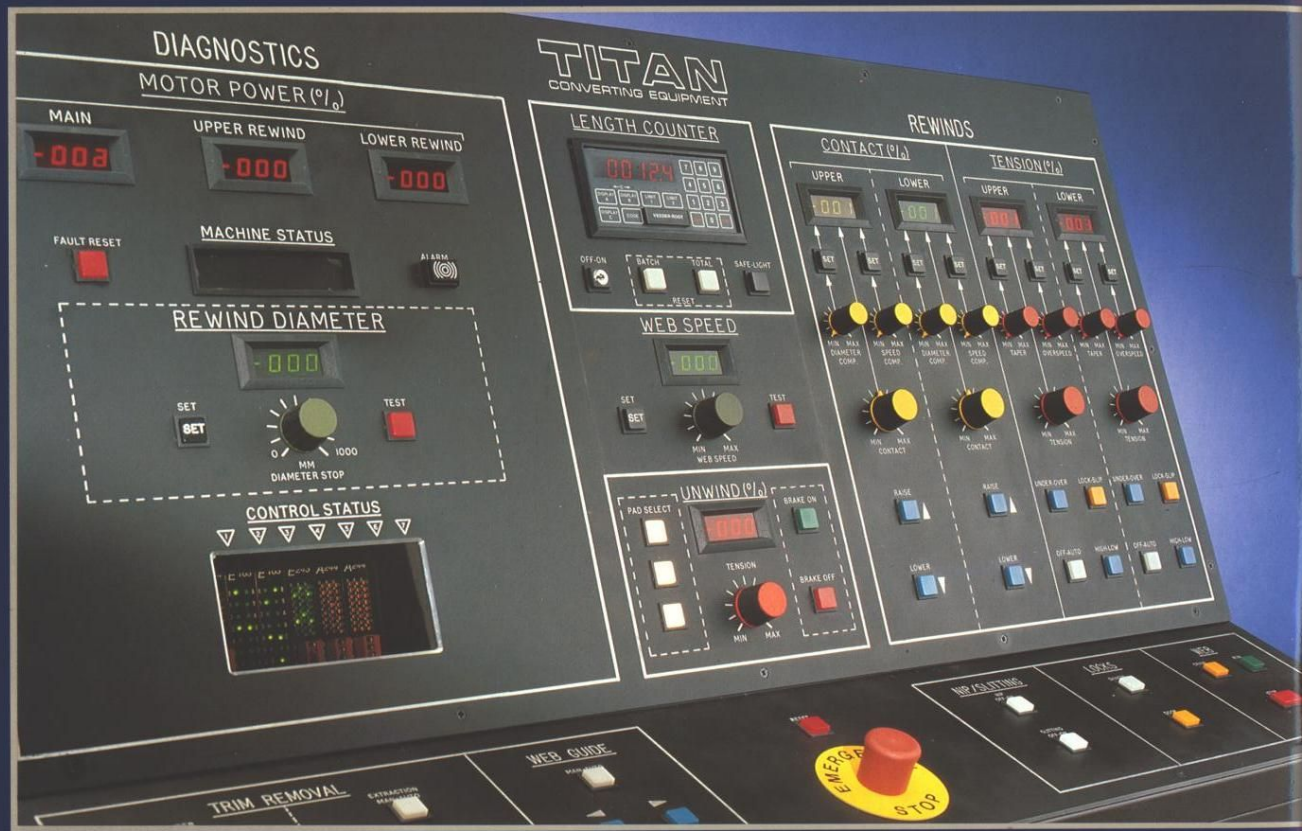


TITAN

THE SR6 FROM TITAN IS A MULTI-PURPOSE SLITTER-REWINDER THAT HAS EARNED A REPUTATION THROUGHOUT THE WORLD FOR EASY INSTALLATION, SPEED, FLEXIBILITY, RELIABILITY, AND CONSISTENT OUTPUT QUALITY.

THIS PRECISION, EASY-TO-USE MACHINE FEATURES FAST CHANGE-OVER TIMES FOR A RANGE OF WEB MATERIALS.

 **VALMET**
Part of Valmet Group



VARIETY OF MATERIALS, AUTOMATIC SELF DIAGNOSIS

SR6

PARENT REEL LOADING

The unwind shaft is inserted into the parent reel and the reel is then raised by a pair of hydraulic arms. When the arms are fully raised, the shaft rolls down and automatically locks into the brake.

OFFLOADING FINISHED REELS

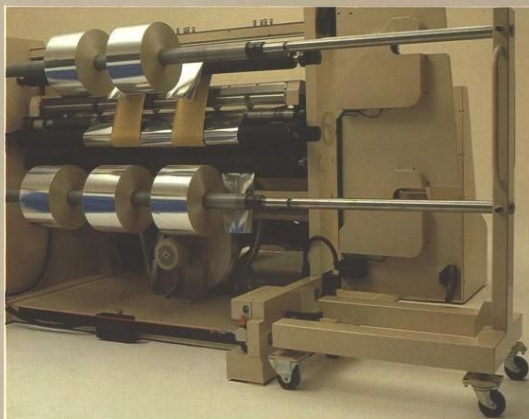
Unloading rewound reels off the SR6 is made more efficient with a simplified version of the Titan door system, which now involves only a single door. This allows easier offloading of the rolls from the cantilevered shaft. The trolley, when it is used, can be brought directly into place. This arrangement complements the Titan Quick-Lock system for rapid loading and relocation of parent and rewind reel shafts, all developed for minimum downtime. During changeovers both rewind shafts remain in the machine.

QUICK-LOCK

Cores slide easily over the Quick-Locks in their unlocked (ie closed) position. A slight twist in one direction locks the core or reel into place by opening the milled sections of the Quick-Lock device. To unlock, twist in the reverse direction.

CHANGEOVER TIMES

Loading and unloading techniques, the new shaft roll out system and computer assisted setting of running parameters are all designed to guarantee the minimum downtime between jobs.



THE SR6 HAS BEEN SPECIFICALLY DESIGNED TO MINIMISE DOWNTIME, MAXIMISE OPERATOR CONVENIENCE AND FACILITATE FAST CHANGEOVER TIMES. ROLLS ARE AT THE RIGHT HEIGHT FOR INSPECTION DURING OPERATION. LOADING AND UNLOADING ARE CARRIED OUT SIMPLY AND EFFICIENTLY.

TITAN

ERGONOMIC MATERIAL HANDLING

SR6

HIGH SPEED DRIVE

The basic configuration of the SR6 is a duplex, centre winding machine with thyristor controlled drive. The draw roller, cutting station and guide rollers are driven by a regenerative, self braking DC motor, while two individual motors, each with their own tension control, power the rewind shafts.

The drive system features independent tension selection to each rewind shaft at any speed, adjustable from 0 to 35kg as a constant or as a taper across the diameter. Both rewind shafts are reversible with pneumatically controlled slip adjustments for differential tension control.

Menu driven software is designed to be easily upgraded using existing hardware. It offers highly detailed diagnostic facilities which trace fault conditions, report on machine status and facilitate self-testing and auto-tuning.

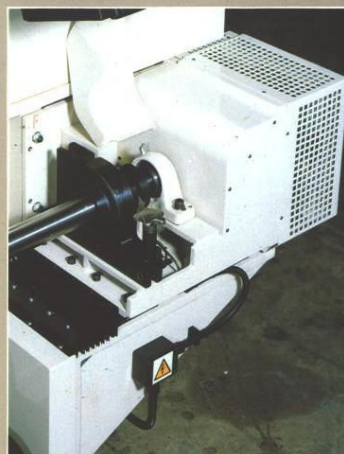
Tension and contact pressures and their relationship to changes in rewind diameter and line speed can be precisely controlled and memorised for automatic recall.

UNWIND BRAKING

A closed loop braking system and dancer roll provides constant, automatic control over unwind tension.

WEB GUIDE

Webs are maintained in their relative positions by a guiding system that scans the edge of the web. The system can be controlled either from the console or from the unwind end and an override facility allows the scanning head to be manually adjusted.



THE SR6 ACCEPTS PARENT REELS WIDTHS UP TO 1,800mm AND HANDLES PAPER, FOIL, POLYTHENE AS WELL AS ALL MODERN LAMINATES USING SHEAR KNIFE, RAZOR OR CRUSH-CUT SLITTING.

PRODUCTION SPEEDS ARE UP TO 450 METRES PER MINUTE, DIAGNOSTIC AND STATUS INFORMATION KEEPS THE MACHINE IN PEAK RUNNING ORDER AND THE WEB MATERIAL IS GUIDED ELECTRONICALLY.

THUS THE SR6 IS VERSATILE, HARD WORKING AND VERY COST-EFFECTIVE.



HIGH SPEED **TITAN** PRODUCTION



SIMPLE LOADING AND UNLOADING, EASY CHANGEOVER,

SR6

COMPUTERISED CONTROL

All the parameters for any job can be memorised and, when recalled, will set up the machine automatically, but with full manual override, allowing significant savings in changeover times.

An optional VDU screen displays programme or management data and the relevant operational information can also be printed out.

LAY ON ROLLERS

Pneumatically controlled lay on rollers eliminate air in the rewound package to automatically compensate pressure according to the diameter and speed of the material being run.

DRIVEN SPREADER ROLLER

This curved spreader roller is helpful with delicate films. It utilises drive from the main nip roller.

CANT ROLLER

Takes out slack edges.

SPLICING TABLE

Complete with cutting board and two pneumatic clamps interlocked with the main machine control.

REWIND UNLOADING TROLLEY

Designed for quick and easy unloading and transport of finished packages.

AUTOMATED UNLOADING TROLLEY

To turn over, raise and lower the unloading trolley for handling heavy weight reels.

INTEGRAL SHAFTLESS UNWIND

An integral raise and lower unit fitted with chucks to match the customers requirements. Parent reels are raised from the floor or from a delivery pallet. This unit assists in loading the machine with the minimum physical effort.

Titan can, in fact, provide a custom designed specification to handle most materials in current use.



THE OPTION OF FULLY COMPUTERISED CONTROL OFFERS FAST, ULTRA PRECISE SET-UP AND IMMEDIATE REPEATABILITY OF MEMORISED JOB PARAMETERS TO AUTOMATICALLY RESET THE MACHINE.

VARIOUS ADDITIONAL OPTIONS ARE AVAILABLE AS AIDS TO TROUBLE FREE PRODUCTION OR FOR HANDLING SENSITIVE MATERIALS.

TITAN

AND RELIABILITY



OPTIONS THAT ENHANCE SR6 VERSATILITY, EFFICIENCY

STANDARD SPECIFICATION

Parent Reel

Maximum web width 1,000mm (39") up to 1,800 (70.5").
Maximum diameter 1,000mm (39").

Two rewind shafts for centre rewinding

Maximum rewind reel diameter 610mm (24").
Quicklock units for rewinding are available in various sizes for core diameters ranging from 57mm to 200mm (2.25" to 8").
Also available for 800mm (31.5") rewound diameter.

Speed

450 mpm (maximum) according to material in use.

Electrical specification

Power requirements 380/415v 3ph. 50 cycles.
Total load 40 KVA/63 amps.

Weight (approximately)

SR6 5 tons

Optional equipment

Razor blade cutting. Crush cutting.
Pneumatically controlled lay-on rollers.
Wheel away trolley for finished reels.
Full computer graphics. Shaftless unwind.

Heavy duty reelstand

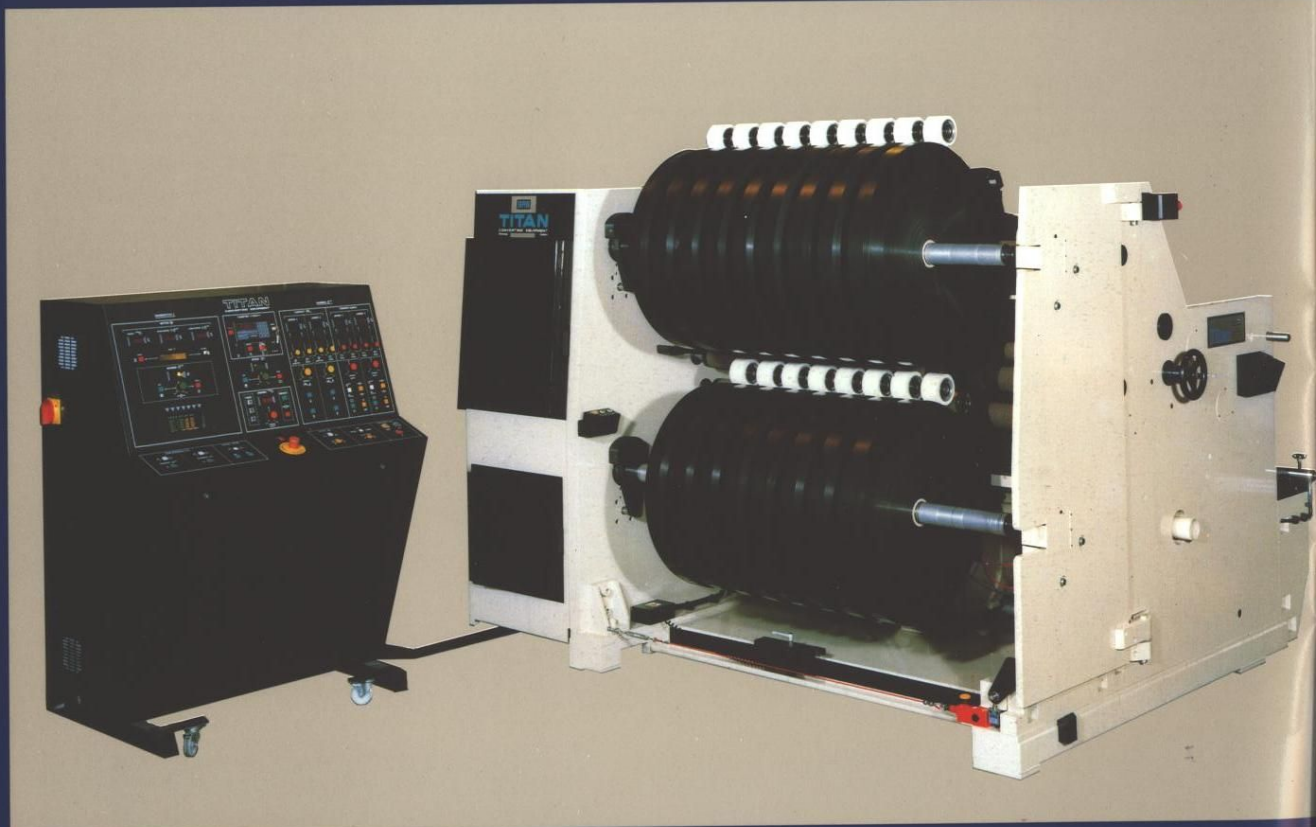
Maximum diameter 1,210mm (48").

Special equipment

Machines can be made to order to meet special requirements and to suit unusual materials.

Dimensions of standard machine

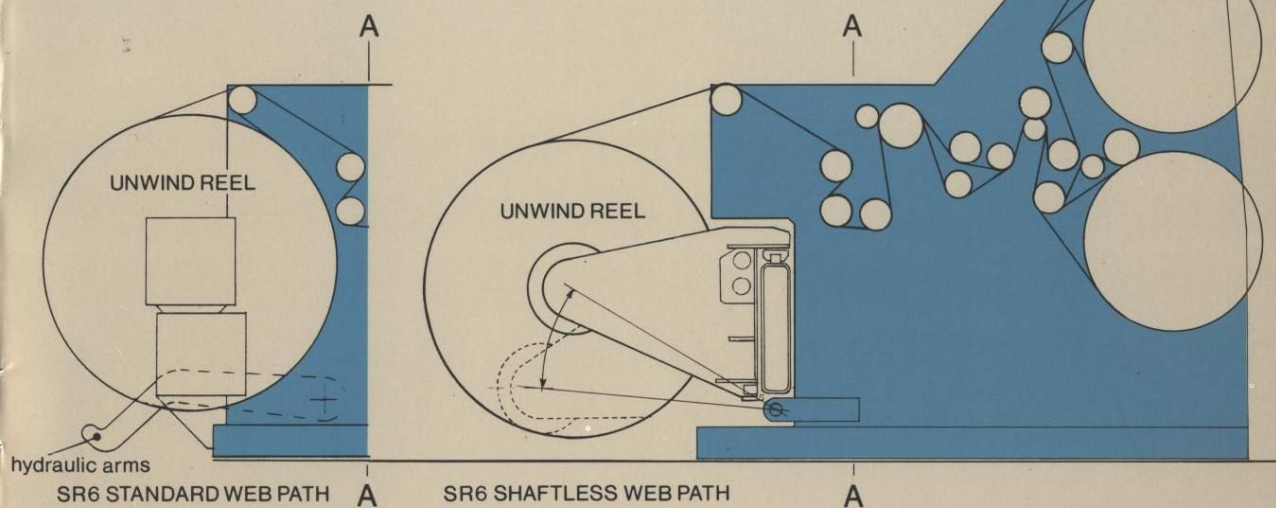
Width, with console - 3,870mm
Depth - 1,300mm web - 2,310mm
1,600mm web - 2,610mm
Height - 1,690mm



COMMITTED TO EXCELLENCE THROUGHOUT THE WORLD

SR6

THE MACHINE DRIVE PACKAGE AND COMPUTER CONTROL SYSTEM OF THE SR6 ARE BUILT FROM STANDARD COMPONENTS THAT CAN BE READILY SOURCED IN MOST COUNTRIES THROUGHOUT THE WORLD.



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