



# tt 270

## high speed table top Inspection slitter rewinder

The TT270 has been specifically developed to offer a robust table top rewinder with many features normally only found on larger more expensive inspection/slitting equipment. Accurate tension control settings can be achieved with independent air operated unwind and rewind tension controls. The unwind and rewind mandrels incorporate a mechanical locking system which ensures positive grip without distorting the label core and finished reel.

### FEATURES

- Splicing table.
- Scissor or razor blade slitting with cross web adjustment.
- Nip drive for constant tension.
- Label in/label out rewind capability.
- Easy programmable label/length counter with pre-set speed ramp down control to ensure smooth slow down and end of batch stop.

### OPTIONS

- Automatic web guidance system.
- Ink jet printing facility.
- Pneumatically inflating mandrels.
- Missing label detecting system.
- Coreless rewinding facility.
- Clamps for splicing table.

### SPECIFICATION

Maximum web width	270mm (10.6")
Maximum unwind and rewind diameter	457mm (18")
Minimum slitting width (shear knife)	15mm
Maximum speed	variable up to 150 metres (500 feet) per minute
Counter	programmable for slow down/label count/length count
Rewind mandrels	38mm (1½") 44mm (1¾") or 76mm (3")



## sr series Slitter and inspection rewinders



### Distributor Details



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Due to our policy of continuous improvement and development A B Graphic International reserves the right to modify or update all product specifications and functions



# sr 270/330/410

## Label inspection rewinders

The Omega SR range of high performance slitter inspection rewinders is designed to meet the increasing demands of today's converting, security, printing and label industry. All machines are manufactured for ease of operation and PLC controlled to ensure total reliability and flexibility. Bespoke machines can be manufactured to meet customers specific requirements.

### STANDARD SPECIFICATION

The Omega SR is available in 3 web widths – 270mm – 330mm – 410mm and includes the following standard features:

Pneumatic 76mm unwind mandrel with pneumatic brake tension control. 700mm maximum unwind diameter.

Quick release/removable nip roller with pneumatic pressure control.

Programmable end of roll stop and unwind brake control without the use of mechanical follower arm.

Electronic web guidance system with ultrasonic sensor suitable for opaque and clear substrates.

Adjustable splicing table with pneumatic clamps for removal of waste product.

Scissor knife slitting including 3 sets of knives. Pneumatic expanding rewind mandrel, independently driven and variable for both speed and tension control. 450mm maximum rewind diameter.

Choice of rewind mandrels from 25mm (1") to 75mm (3").

Speed up to 300 metres per minute.

### CONTROL PANEL WITH INTEGRATED FUNCTIONS FOR EASY OPERATION

Human Machine Interface (HMI) for new job set up data.

Error display for fast response to problems.

Labels in/labels out selection.

Label or length count with easy pick up sensor adjustment.

Process counter with programmable slow down and stop.

Total and batch count.

Machine utilisation data.

Machine hour run meter.

Manual unwind and rewind tension controls.

Push button unwind brake release for quick web insertion.

### OPTIONAL EQUIPMENT

**Web advance** – presents the pre-slit web to the cores for quick and accurate roll change.

**Missing label detection** – multi lane system designed for quick set up and detection of missing labels and matrix errors. All errors are automatically placed on the splicing table for corrective action. A system for clear on clear labels is also available.

**Flag and splice detection** – sensors monitor the roll and, in the event of a flag or mill splice, the machine is brought to a controlled stop and the errors presented on the splicing table.

**Auto disengage knife box upgrade** – enables scissor knives to be disengaged from the web at the turn of a switch. Also includes removable knife shafts.

**Crush knife slitting** – available in place of or in addition to the standard rotary scissor system.

**Razor blade slitting** – cassette available to replace the standard scissor knife system.

**Off line knife setting fixture** – for setting slitting knives off line with the accuracy of a Vernier setting device. Note - must be ordered in conjunction with auto disengage option.

**Bulk waste rewinder** – for quick removal of lengthy sections of waste material in tidy manageable rolls.

**Motorised reel lifting device** – electrically operated roll lift capable of loading parent rolls up to 700mm in diameter.

**Clear label count sensor** – a sensor for counting clear on clear label products.

**Stroboscopes** – a range of stroboscopes is offered, interfaced to the machine ensuring automatic synchronisation regardless of speed.

**Rotary die cutting stations** – a choice of single or twin rotary die stations transform the Omega into a blank label converting system. Includes matrix stripping with pneumatic mandrel and matrix break sensor (Note - maximum speed when die cutting 220 metres per minute).



**Die adaptors** – to accommodate customers existing tooling.

**Re-register die cutting** – a re-register drive system for the rotary die units, enabling pre-printed materials to be die cut in accurate registration.

**600mm diameter rewind option** – with taper tension.

**12mm rewind mandrel upgrade** – electrical upgrade package including end support.

**Fleye 100% web inspection camera system** – fully integrated with Omega rewriter for total inspection of the printed web. All faults are automatically delivered to the splicing table for correction.

**Flood coating and re-register printing systems** – flood coating and servo drive re-register flexographic print stations are available for both water based and UV systems.