

Innovative
engineering for..EXCELLENCE...

DELICAN

ACROSTAR

TURRET SLITTER



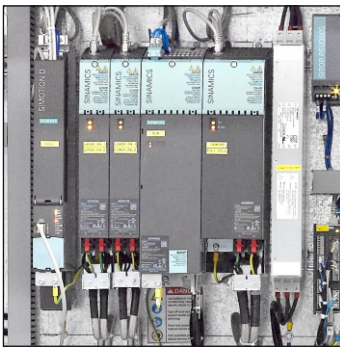
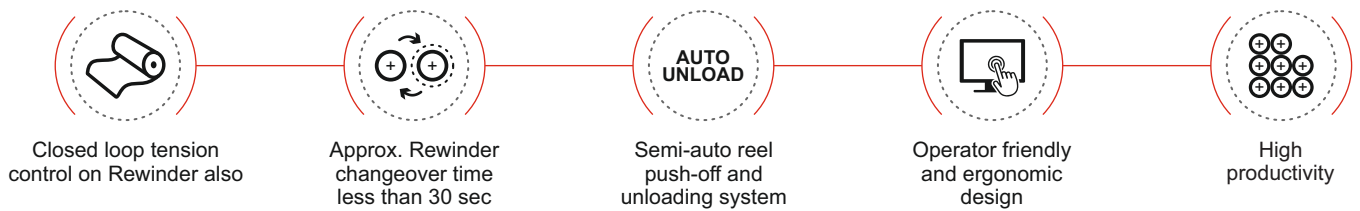
700 mpm

With the combination of our proven Pelican SoloSlit and with the advantages of modern turret technology, ACROSTAR reducing down time, thus increases productivity compare to traditional duplex slitter (even at same operating speed).

Precise close loop tension control on rewinder using new generation of electronics offers maximum efficiency with wide range of substrates at high speed.

STANDARD TECHNICAL SPECIFICATION

• Maximum Speed	700mpm
• Substrates to be Slit	Plastic Films, Laminates & Paper
• Maximum Unwind Reel Diameter	1000mm
• Maximum Rewind Reel Diameter	600mm
• Rewind Core Diameter	3" and 6" (Optional)
• Minimum Slit Width	50mm and 25mm (Optional)



MACHINE CONTROL SYSTEM

Common DC bus system for power sharing between various drive stations ensures low energy consumptions.

Advance customize automation provides optimal performance of the machine with end to end consistency.

User friendly operator interface touch screen on Unwinder and Rewinder both side. Recipe system for storing all working parameter store in both touch screen.

Designed considering safety of human and control.

Featured with online service support using remote connectivity.



SLITTING SYSTEM

The new ergonomic designed slitting section provides a fast and convenient change from knife cutter to the rotary cutter or vice versa. It is optimized to be versatile to mount with all three slitting operations on board, i.e.,

1. Cut to air using a razor knife
2. Cut to groove using a razor knife
3. Rotary cutter

(Operator does not require to offload any slitting assembly)

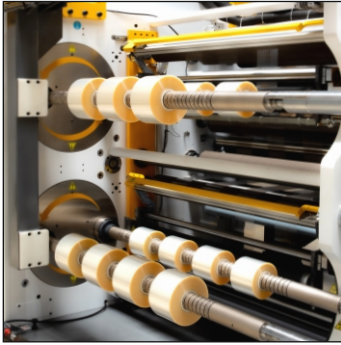


CLOSED LOOP REWIND TENSION CONTROL

The closed loop rewind tension control using load-cell for actual tension feed-back, coupled with high performance differential winding shaft. Results the optimum level of actual tension control over the rewinding process.

Equipped with Load cells to measure the actual tension and dynamic responsive control with the desire set tension, taper tension setting and current roll diameter. Tension control system automatically adjusts the air pressure to the rewind shafts. Performs well with wide range of substrates including tension sensitive substrate.

Differential winding system utilizing high tech roll or ball lock units, ensures consistant and precise winding tension regardless of different width of the reel being rewound on the same shaft.



TURRET TYPE REWIND SECTION

Turret type Rewinder ensures quick automatic reel change over with automatic splicing system.

The whole function is controlled and supervised by the high performance logic controller.

Touch screen operated automatic reel changeover with disc turnover displacing the reel in the correct splicing position.

Pneumatically loaded pasting roller brings the web in contact with the new core having adhesive tape.

No sooner the adhesive bonds the web, an automatic knife cuts the web.



REEL PUSH-OFF SYSTEM AND SLIT REEL UNLOADING

Servo motor based push-off system facilitates the removal of the rewind reel from both (upper and lower) Rewinder to unloading stand.

The unloading stand provides support to the cantilevered differential shafts during unloading operation.

It is designed with maximum emphasis on operator convenience as well as safety.

While unloading of slitted reels and insertion of new core, machine run at full speed.



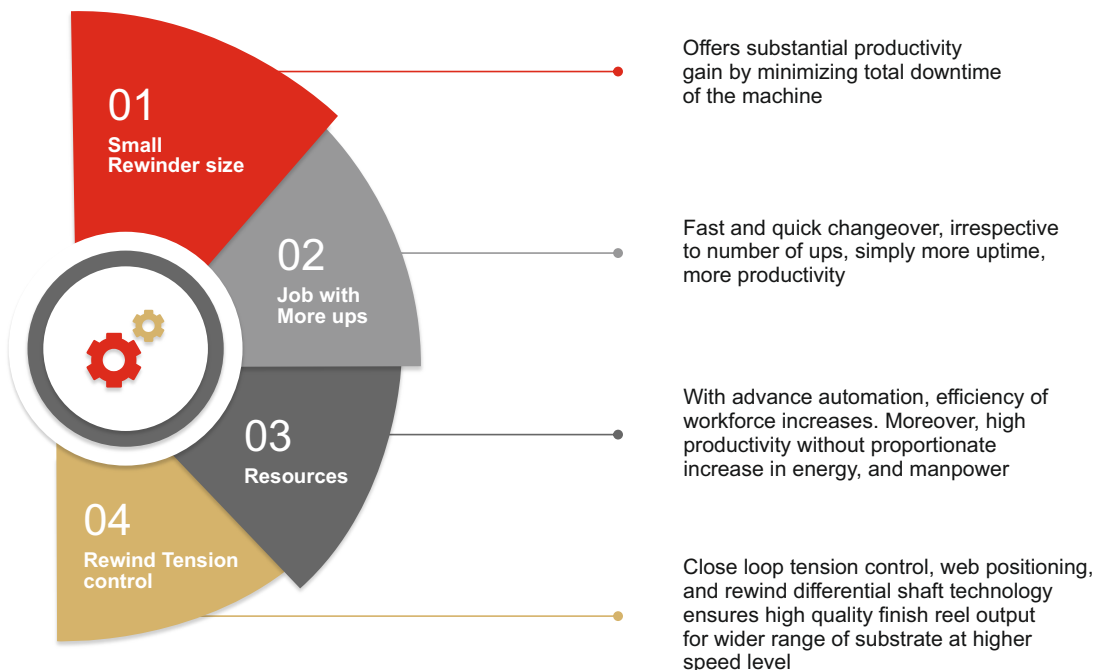
HORIZONTAL LAY-ON ROLLERS

Each rewinder is equipped with pneumatically operated lay-on assembly with contact pressure controls consists of rubber covered aluminum rollers, mounted on carriage which have movement with linear guide ways. The linear displacement of the carriage and arms allow desired positioning of lay-on.

Close loop horizontal lay-on assembly to maintain uniform pressure and position with respect to progressing diameter.

To have uniform tightness throughout the reel run, horizontal lay-on assembly aids to provide lay-on pressure at constant angle even as diameter progresses compare to conventional angular lay-on arrangement.

Allowing to process the challenging substrate with ease.

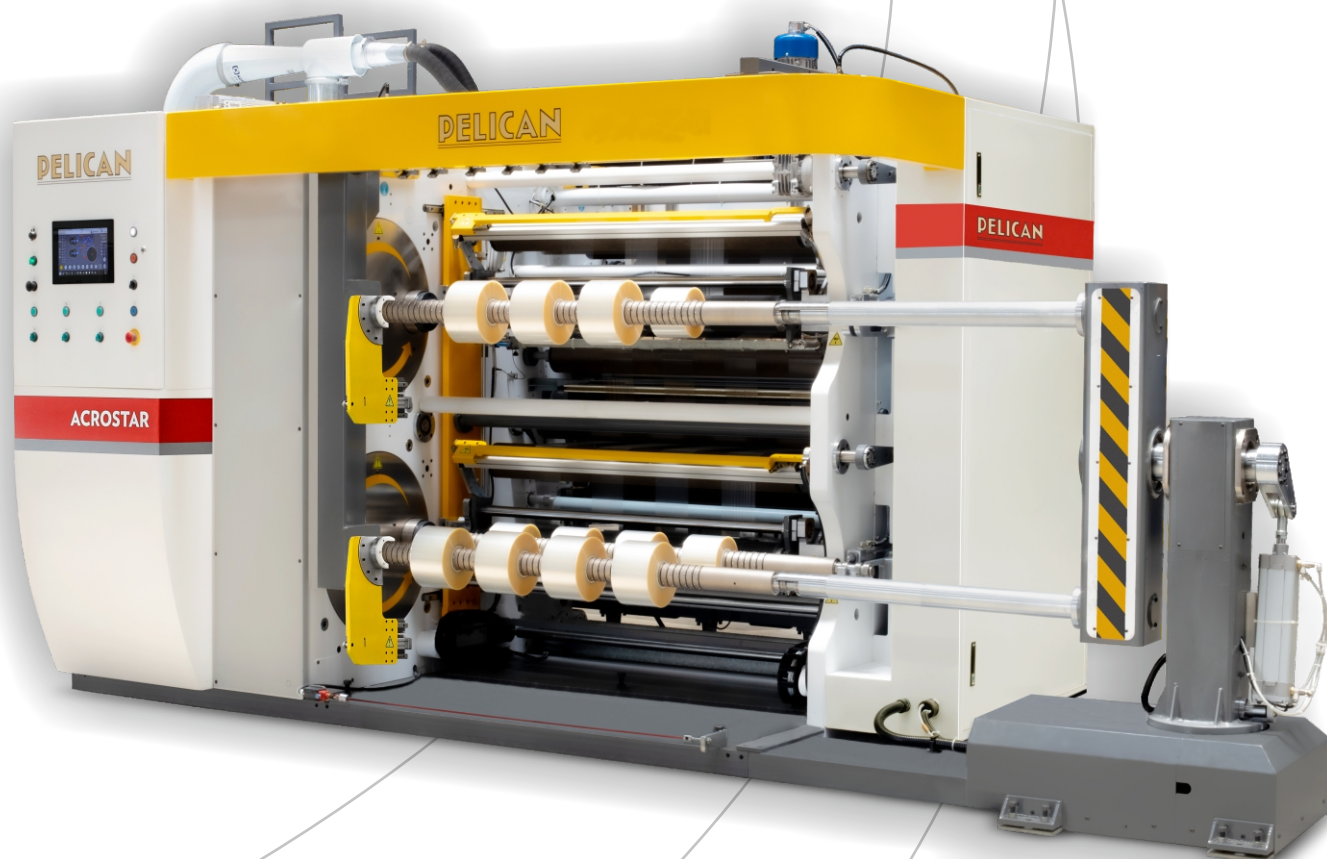


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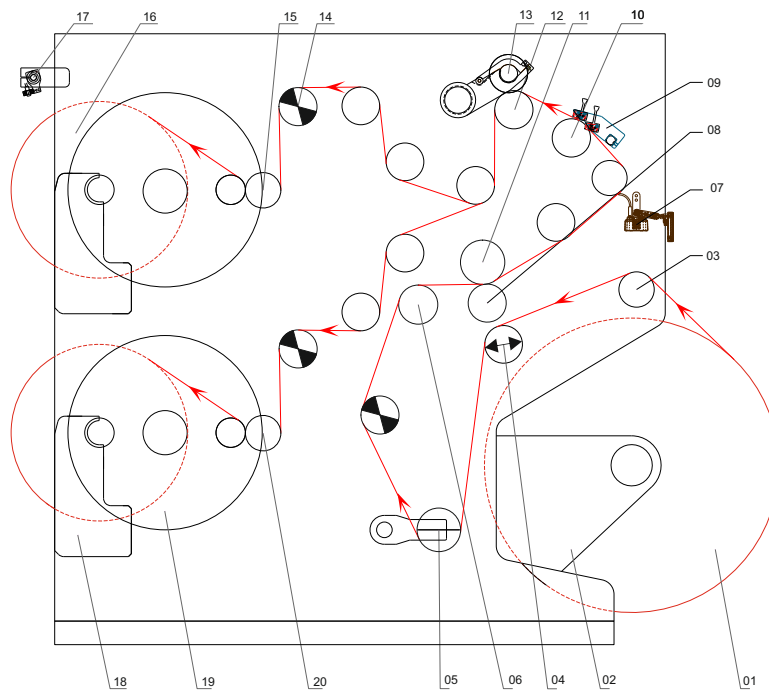
LOW ENERGY
consumption

SAFETY
on board



FAST JOB
change over

STANDARD WEB PATH



- | | |
|------------------------------|------------------------------|
| 01. Unwind reel | 11. Steel Nip Roller |
| 02. Unwind frame structure | 12. Bottom Cutter |
| 03. Line guide sensor roller | 13. Top Cutter |
| 04. Skew roller | 14. Load Cell Roller |
| 05. Dancer roller | 15. Upper Bump/Layon Roller |
| 06. Spreader Roller | 16. Rewinder Reel |
| 07. Line Guide Sensor | 17. Laser Sensor Arrangement |
| 08. Pressure Rubber Roller | 18. Pusher Assembly |
| 09. Blade Holder | 19. Turret Disc |
| 10. Groove Roller | 20. Lower Bump/Layon Roller |

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