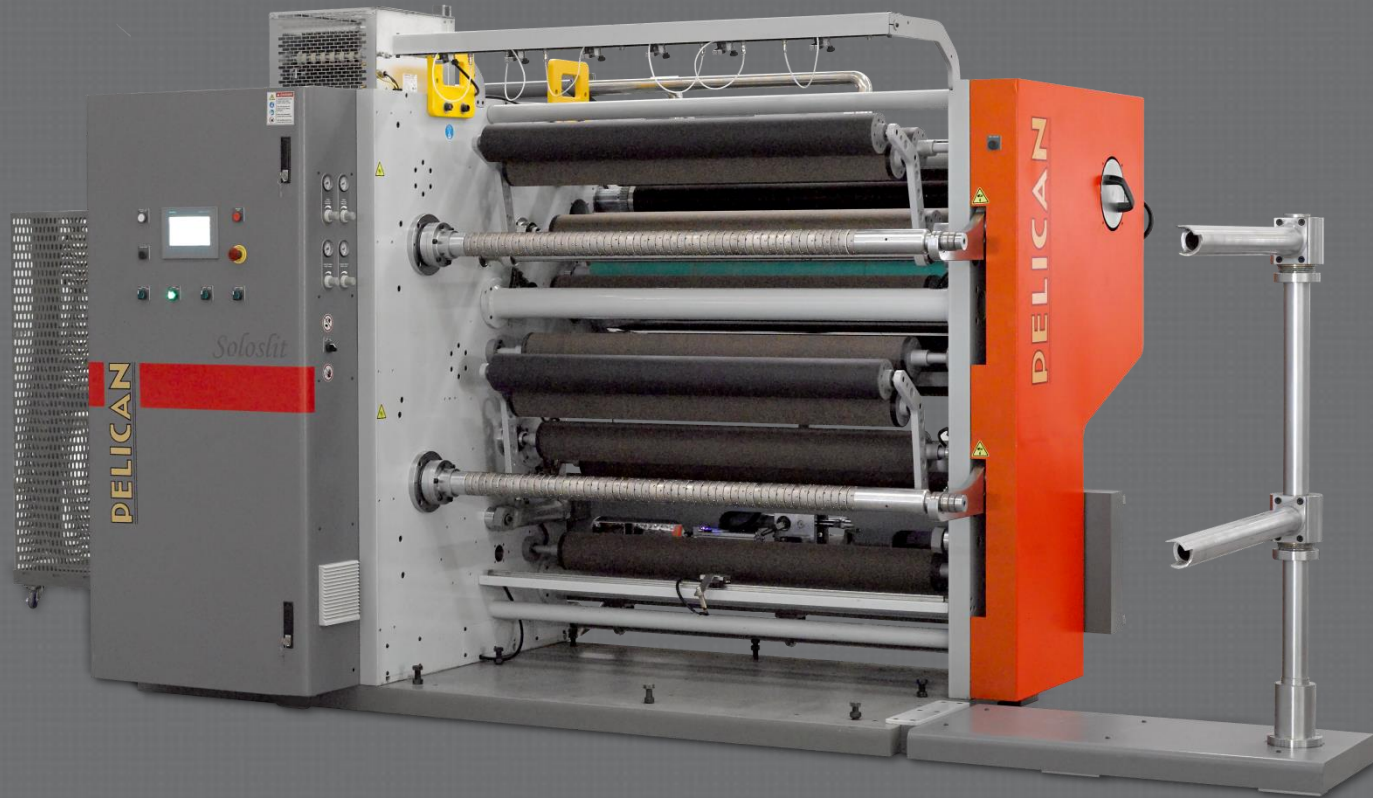


SLITTING MACHINE

- ▶ Machine Mechanical Speed – 600mpm

NEW GENERATION SLITTER REWINDER



SPECIFICATION

- ▶ The new generation Soloslit slitting machine offers matchless features. The machine equipped with new generation of electronics and controls that offers high performance and maximum efficiency with slitting wide range of substrates at high speed.

Web Width:	1300mm
Speed:	600mpm
Processed Material:	Plastic Films, Laminates & Paper
Max Unwind Reel Diameter:	1000mm
Max Unwind Reel Weight:	1000kg
Rewind Reel Diameter:	600mm
Rewind Core Diameter:	3" and 6" (Optional)
Minimum Slit Width:	38mm
Tension Control:	Closed Loop
Slitting System:	Razor Blade; Cut in air & Cut in groove Rotary Cutting (Optional)

FRAME STRUCTURE

- ▶ Distinctively designed and precisely machined, strong and sturdy, steel frame structure, with stiffening tie-rods; maintains accuracy over long dependable life.
- ▶ Rigid construction guarantees maximum speed levels, high quality finish reel and handles wide range of substrate range.



IDLE ROLLER

- ▶ Cork coated
- ▶ Specially designed low friction low inertia
- ▶ Made of Aluminum, mounted on low friction bearings, enhance rotational smoothness.

MACHINE CONTROL SYSTEM

- ▶ Entire machine is controlled and supervised by high performance logic/motion controller.
- ▶ The 'BUS SYSTEM' for machine automation maintains tight synchronization between all the axis, providing fast, reliable, and errorless communication.
- ▶ Control panel consists touch screen operator interface located at rewind side and control panel provide on unwind section ensuring quick and comfort operation.
- ▶ Machine is designed considering safety of human and control.
- ▶ Minimum dependency on operator due to increased automation and easy operating system.
- ▶ Online service support. (Using VPN connectivity)



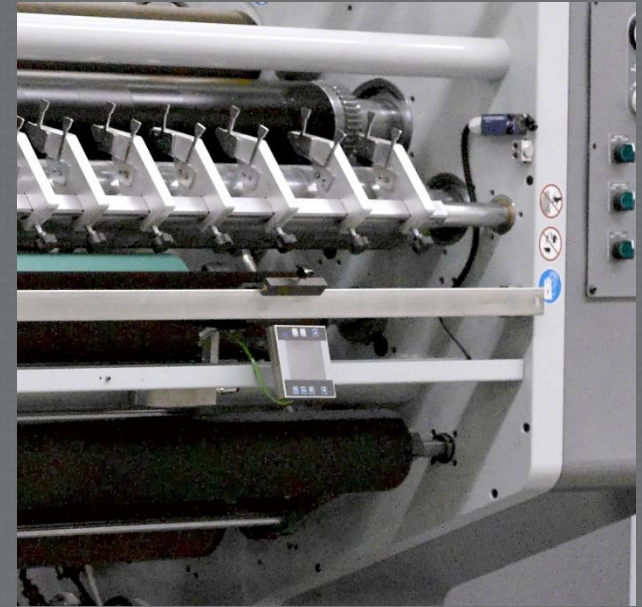
INTEGRAL SHAFT-LESS UNWINDER

- ▶ Unwinder reel lifting system consists of two solid arms mounted on precision linear guide ways, which allows lateral displacement for web aligner.
- ▶ Mechanical self expanding chuck suitable for 76mm and 152mm cores are provided.
- ▶ Compact design ensures shorter web length within the machine and also occupies minimal floor space providing a more economic slitting solution.
- ▶ Automatic web tension control is provided through a "closed loop" system on the shaft-less unwinder.
- ▶ The system consists of latest generation AC servo drive, servo motor and load-cell. The system maintains tension precisely through out the reel run up to the core diameter.



WEB GUIDING SYSTEM

- ▶ Digital web guiding system maintains precision alignment of the web entering the draw unit.
- ▶ The web is guided by edge or printed (continuous or broken) lines provides an accurate positioning of web.
- ▶ The system consists of true color line sensor and PMDC motor etc.
- ▶ The sensor is allowed to be used for the non-contact scanning of webs with printed lines or contrast edges



SLITTING SYSTEM

- ▶ The new ergonomic designed slitting section provides a fast and convenient change from knife cutter to the rotary cutter.
- ▶ New designed slitting section having all three slitting operations on board, i.e., cut to air, cut to groove using a razor knife and rotary cutter assembly together. The operator does not require to make load unload bottom cutter shaft of the rotary cutter.



TRIM SUCTION PIPE ARRANGEMENT

- ▶ New design of Trim Suction piping arrangement for trimming.
- ▶ Trim suction is arranged within machine area instead of over the machine area which will provide more ease in operation.



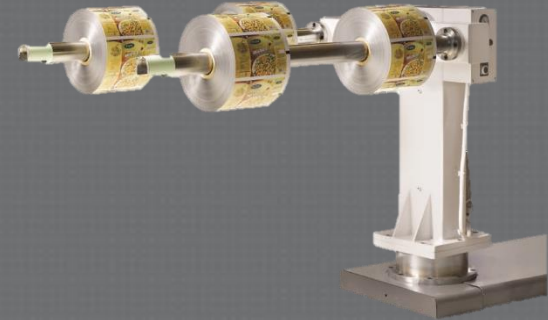
REWIND (CLOSED LOOP) TENSION CONTROL

- ▶ Rewind tension control is closed loop using high performance differential winding shaft and load-cell feed-back.
- ▶ This option gives the optimum level of tension control over the rewinding process. Load cells used to match the actual tension with the set tension, taper tension setting and current roll diameter of the rewinding process.
- ▶ Tension control system automatically adjusts the air pressure to the rewind shafts.
- ▶ This closed loop control system perform well even with tension sensitive substrate.
- ▶ The system consists of AC servo drive, servo motor, load-cells for actual tension feed-back.
- ▶ High performance differential winding system utilizing 'Ball lock' units, ensures constant tension regardless of different width of the reel being rewound on the same shaft.



SLIT REEL UNLOADING (OPTIONAL)

- ▶ Pneumatically operated shaft supporting arms facilitate quick unloading of the slit reels from differential shafts to unloading stand.
- ▶ The unloading stand provides support to cantilevered differential shafts during unloading operation.



LAY-ON ROLLERS

- ▶ Each rewinder is equipped with pneumatically loaded lay-on assembly with contact pressure controls consists of rubber covered aluminum rollers, backing rollers mounted on arms over linear guide ways.
- ▶ The linear displacement of the arms allow desired positioning of lay-on and also provide ease to replace different widths of the rubber rollers.

