

THE ROBOSLIT® ADVANTAGE

-A high-end technology
from SP ULTRAFLEX



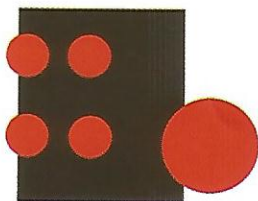
The induction of the ROBOSLIT® Series Dual Turret Slitter rewriter to SP's standard range of slitter rewinders for flexible packaging material has created a buzz in the industry. Having installed all the three variants namely the ROBOSLIT® RL (Rear Loading), ROBOSLIT® OHP (Over Head Path) and ROBOSLIT® FSU (Free Standing Unwind) at facilities of renowned

converters/specialty film manufacturers, SP has raised the technology bar yet again.

"The technology behind the ROBOSLIT® has come a long way from the prototype which runs at 500 m/min to the machines currently under manufacture which are designed for 800 m/min. The ROBOSLIT® Dual Turret series is an

extension of SP's PRIMASLIT™ AND ULTRASLIT® series of conventional Duplex Slitter Rewinders, which are performing consistently over the past several years at various installations worldwide. They are backed by the same Quality, Technology, Reliability and Affordability which is the mainstay of SP's duplex machines." says Mr. Biku Kohli, Director SP Ultraflex.

ROBOSLIT® VARIANTS



ROBOSLIT® RL (Compact, Rear Loading) - Dual Turret rewinds accommodated within a compact layout offering the highest output per floor space ratio.



ROBOSLIT® OHP (Separate unwind, Over Head Path) - Dual Turret rewinds accompanied by a most hygienic work environment and excellent cutter access.



ROBOSLIT® FSU (Separate Free Standing Unwind) - Dual Turret rewinds with working platform for inspection and splicing, also offering excellent cutter access.

The ROBOSLIT® approach

- MACHINE** - Dual turret and auto splicing technology result in rewind changeovers that are automated, fixed and shorter as opposed to manual, variable and longer as in the case of conventional duplex slitter rewinders. The ROBOSLIT® runs virtually non-stop, pausing for a mere 30 seconds per rewind change-over, owing to which its higher line speeds of up to 800 m/min are translated into an almost pro-rata increase in output as opposed to duplex machines.
- MANPOWER** - The ROBOSLIT®'s automatic change-over sequence keeps the user vigilant at all times and introduces a rhythm between man and machine, delivering forecasted

output consistently irrespective of operator's skill. At the same time, advanced automation and mechanization for various change-overs reduces operator involvement and fatigue, keeping him as efficient and productive from start to end of shift.

- MATERIAL** - The thicker the material or smaller the rewind reel diameters, the more frequent would be the rewind reel change-overs in a given period. Also, with increasing number of ups, rewind reel change-overs become longer on conventional duplex machines. These factors, which influence either the frequency or duration of rewind changeovers, present individually or in conjunction, result in higher percentage of rewind change-over time thus increasing the benefit from a turret machine.

Case Study for slitting 55 micron Laminate into 10 coils on Duplex Slitter at 600 m/min and ROBOSLIT running at 800 m/min during single shift operation of 8 hours

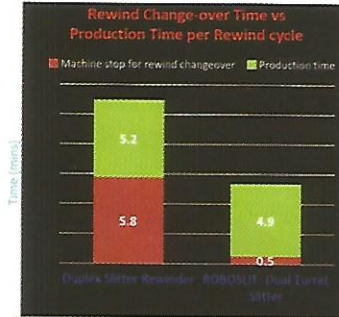


Illustration 1. Rewind change-over drastically cut down by 91% per cycle.

Production on Duplex Slitter: 6.6 Tonnes
Production on ROBOSLIT: 11.7 Tonnes

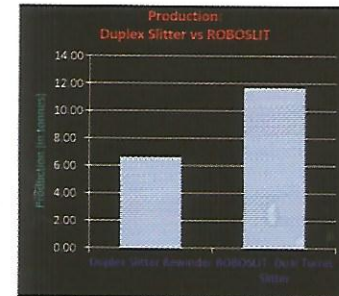


Illustration 2. Boost in productivity at an average of 77% per shift.