



**NEW**

# SIRIUS

## SERVO



UNWINDER

INSPECTION

SLITTING

REWINDER SERVO



# SIRIUS

## SERVO

The **SIRIUS** is the new flagship issued from the SMAG slitter-rewinder range. As every other SMAG product, it has been built with the aim to be modular and to evolve according to your markets. Therefore, the SIRIUS can integrate different types of applications such as : inkjet, labeling system, die cutting modules and rotary flexo station.

The efficiency of this machine has been increased by the full soft control. Sirius ergonomics and the operator interface are much more userfriendly than before.

This new technology enables also a remote connexion for maintenance and service.

The SIRIUS slitter-rewinder is available in 350mm and 420mm web width. The base model can receive various options in order to optimize the configuration depending on the different final applications.

### SPECIFIC INTEGRATIONS

- Labelling application module
- Inkjet integration module

### EVOLUTIVE INTEGRATIONS

- Rotary die cutting module
- Flexo printing station

### INSPECTION AND SLITTING MODULE

- Slitting cassette and waste rewriter
- Double web feeding system

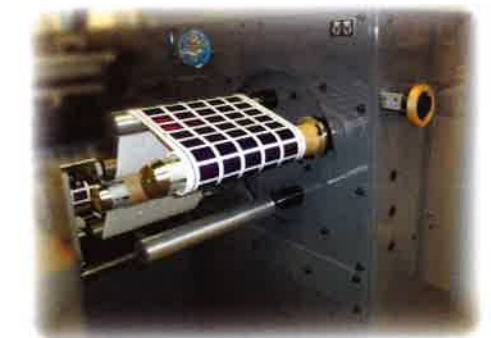


### Slitting options

- Pneumatical crush knives cassette
- Razor blades cassette

### REWINDER SECTION

- One rewind shaft equipped with one pneumatical mandrel



### Rewinder options

- Two rewind shafts for reels ø 450mm
- Two rewind shafts for reels ø 450mm and ø 800mm
- Semi-automatic turret rewriter for reels ø 380mm
- Rewind shafts servomotorization

### UNWINDER SECTION 3000ML (Linear Meters)

- Automatic roll diameter calculation with programmable end of roll
- Flag detection
- Splicing table with two pneumatical clamps
- Ultrasonic web guide E+L

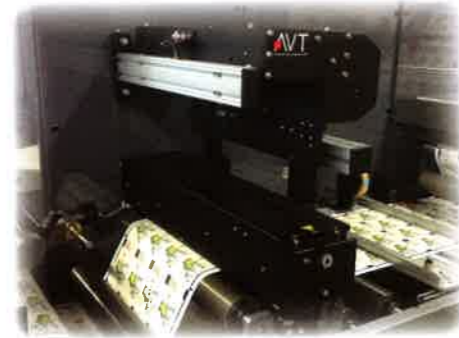


### Unwinder options

- Unwinder section 4000ML (Linear Meters)
  - High performance powder brake or servomotorized
  - Special supported unwind shaft

### INSPECTION AND SLITTING SECTION

- Area for integration of an inspection system
- Idler rollers
- Splicing table with two pneumatical clamps



### Inspection options available

- Inspection by fiber or clear/clear sensor
- Inspection by missing label and waste matrix defaults Elcam (E+L)
- Inspection by Tube Scan Digital Strobe (BST)
- 100% inspection by Helios (AVT) / Nyscan (E+L) / Nikka
- Trash rewind shaft

### Options for maintenance

- Remote access by Ewon for maintenance and service diagnosis

### TECHNICAL SPECIFICATIONS

	350mm Model	420mm Model	Servo Model 350mm/420mm	Options
Maximum web width	350mm	420mm	350-420mm	
Maximum unwind diameter	850mm	850mm	850mm	Unwinder for 4000 linear meters / Ø roll 1100mm
Maximum upper rewind diameter	450mm	450mm	550mm	Semi-automatic turret rewriter with two rewind shafts for Ø 380mm
Maximum bottom rewind diameter	option	option	550-850mm	Razor blades slitting cassette
Maximum number of slitting knives	10 maxi	14 maxi	10-14	
Minimum space between knives	12mm	12mm	12mm	
Power	4 Kw-Tri 400	6 Kw-Tri 400	According to configuration	
Compressed air	6 bars - 2,5N, m³/h	6 bars - 2,5N, m³/h	6 bars - 2,5N, m³/h	
Length/Width/Height	3060 x 1150 x 1559mm	3060 x 1242 x 1559mm	According to configuration	
Weight	600 Kg	750 Kg	According to configuration	
Mechanical speed	220m/mn	220m/mn	300m/mn	





**ROLL TO ROLL CONTINUOUS PRINTING MACHINES**



**FLEXO PRINTING MACHINES (NUOVA GIDUE)**

MX, M3, M5, M7



▲ MX

**TYPHO AND OFFSET PRINTING MACHINES (IWASAKI)**

LR3, TR2, Mini



▲ TR2

**SILKSCREEN PRINTING MACHINES (SMAG)**

Galaxie 2005  
Galaxie SGV  
Galaxie Mono  
Galaxie Duo



▲ Galaxie Classique

**DIGITAL PRINTING CONVERTING RANGE**

Galaxie digitale / SGV / HGV  
E-CUT



▲ Galaxie SGV



▲ E-CUT S330

**INSPECTION RANGE**

Vega, Sirius, Neptune



▲ Vega



▲ Sirius



▲ Neptune

**FINISHING RANGE (FOLDING, SHEETING, NON STOP REWIND)**

F1, Saturne, Uranus



▲ F1



▲ Saturne



▲ Uranus

**AUXILIARY RANGE**

Roll lifter/roll and tool lifter/trim blower / core cutter / manual folder / cleaning fountain / core cutter

Roll lifter  
▼  
Trim blower  
▼

Cleaning fountain  
▼



▲ Manual folder

▲ Core cutter



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