



Labels Engineering

Conception & Impression Planète Numérique 01 64 57 50 34 - (91)

Web screen printing press  
for labels and flexible packaging

# GALAXIE

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Why is the **SMAG Galaxie** the benchmark of its market and is always the solution for the future?

**THE REFERENCE:**

- ▶ More than 200 lines installed over 5 continents.
- ▶ A machine with a long experience and recognized as the leader on its field.
- ▶ Completely internally built by a structured and well established family management company.

**ADVANTAGES OF THE GALAXIE:**

- ▶ High registration tolerances on multi passes and combination process (example: first pass on semi rotary offset and second pass on the Galaxie).
- ▶ Low waste during the set up and run.
- ▶ User friendly machine.
- ▶ Modularity and upgradeable.
- ▶ Complete in line finishing equipments such as hot stamping die cutting, laminating...
- ▶ Possibility to match the line according to special requirements.
- ▶ A wide range in terms of web widths and sizes.

The roll-to-roll silkscreen process with the **Galaxie**



**A TECHNOLOGY, WHICH BRINGS ADDED VALUE TO YOUR PRODUCTS**



Welcome to the universe of the roll to roll silkscreen

EFFICACITÉ

SPECIAL EFFECTS

FLEXIBLE PACKAGING

LABELS

TOPACITY



# Guided tour

## UNWINDER

- ▶ Frontal loading with a roll lifter.
- ▶ Calculator for roll diameter.
- ▶ Continuous feed.
- ▶ Possibility to connect the unit with a Corona treatment + web cleaner.



## PRINTING STATION

- ▶ Printing station with automatic registration (screen moving or connection through a numerical feeding station).
- ▶ Squeegee movement is carried out by servo motor.
- ▶ Sequential vacuum table.
- ▶ Covered operating panel.



Registration perforator on the first group (for registration of other printing stations and finishing and converting units).



Registration cell located in front or behind the screen according to the number of passes.



Antistatic bar.

## DRYING : 3 TYPES



▲ Removable UV drying cassette. 120 Watts / cm with double air exhaust system (160 watts in option).



▲ Removable Infra Red cassette.



▲ Gas or electrical vertical tower dryer.
 

- Possibility to dry from 9 to 18 meters.
- Individual temperature chambers.



## NUMERICAL FEEDING STATION

- ◀ One unit is always placed after the first printing station to insure standardized perforation.
- ◀ The other numerical feeding stations allow for reduction in the length of material fed leading to increased speed and reduced material stretch...\*

\* Our sales network will advise you about the position of these units.

## HOT FOIL STAMPING AND EMBOSING UNIT



- ◀ Pressure adjustment system with a maximum tonnage up to 30 T according to the press dimensions.
- ◀ Electrical heating.
- ◀ Adjustable temperature with digital display.
- ◀ Adjustable time of pressure.
- ◀ Possibility to apply hologram/foil in registration (optional).
- ◀ Cassette to set up male and female embossing tools.



Foil unwind unit / Foil rewind unit.



Embossing cassette can be mounted instead of hot stamping plate.



Automatic registration via a numerical feeding unit (optional).



Power and accessibility.

**DIE-CUTTING UNIT FLAT BED**

- ▶ Pressure adjustment system with a maximum tonnage up to 30 T according to the press dimensions.
- ▶ Very high quality and precision kiss cutting.
- ▶ Top / bottom die-cut possibility (optional).
- ▶ Auto lubrication device.



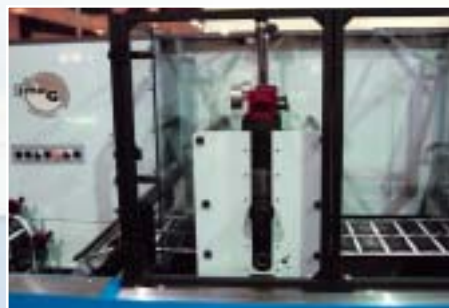
Traditional steel rules dies or magnetic dies can be used (optional).

Registration system with a central numerical feeding station.

Power and accessibility.

**SEMI-ROTARY DIE-CUTTING UNIT**

**NEW !**  
Patented system which combines the advantages of the flat bed and rotary die cutting system !



- ▲ Movement of the complete die cutting head is carried out through a programmable servo motor which provides high accuracy.
- ▲ Single magnetic cylinder covers all sizes.

- ▲ Quick set up.
- ▲ Pressure adjustment with a pressure gauge system.
- ▲ Gap Master is optional.
- ▲ All sizes and allows to increase the cutting length.

**CENTRAL NUMERICAL FEEDING STATION**

- ▶ Allows piloting of all the numerical feeding stations with functions such as: length of feed, speed of drum acceleration and deceleration.
- ▶ Allows the configuration of production statistics.



**SLITTER WASTE REWINDER**

- ◀ Heating table.
- ◀ Lift off by guillotine or by roller.
- ◀ Programmable labels or length counter.
- ◀ 2 interchangeable pneumatic rewinding mandrels with tension control via a couple motor.



Ultra sonic sensor, continuous feeding of the material.

Waste rewinding unit with pneumatic mandrel and waste pressure arm.

Removable shear knives slitting cassette, optional instead, a razor blade cassette for film applications.

Ultra sonic web guide system.

**OTHER FINISHING EQUIPMENTS**



▲ Laminating unit without protector (adhesive) and with protector.



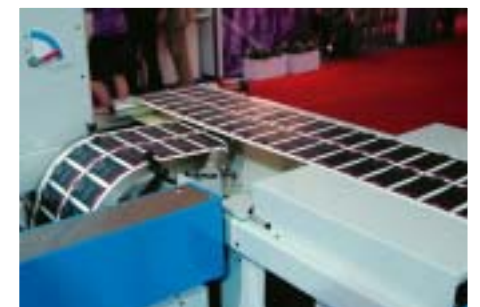
◀ Laminating unit with protector.



▲ Slitter Waste Rewinder first generation.

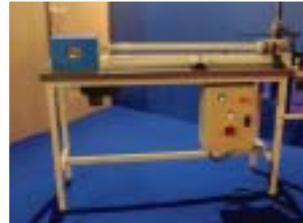


▲ Male and female die-cutting unit.



▲ 90° - 180° Angle. Very useful in order to optimize the surface for optimal work space.

## Auxiliary equipments



▲ Core cutter.

▲ Squeegee sharpener.  
*Ideal for GALAXIE squeegee sharpening.*

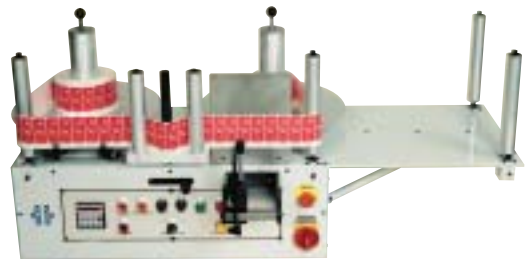
▲ Die cutting and hot stamping handling device.  
*Makes the handling of die-cutting and hot foil stamping plates easier!*

▲ Cleaning fountain.  
*Ideal to clean at the exit of the machine screens, squeegees and flood bars.*

▲ Roll lifter.

▲ Trim blower.

## Off line control, die-cutting and sheeting equipments



### DCR 2000

▲ Table top rewinder.

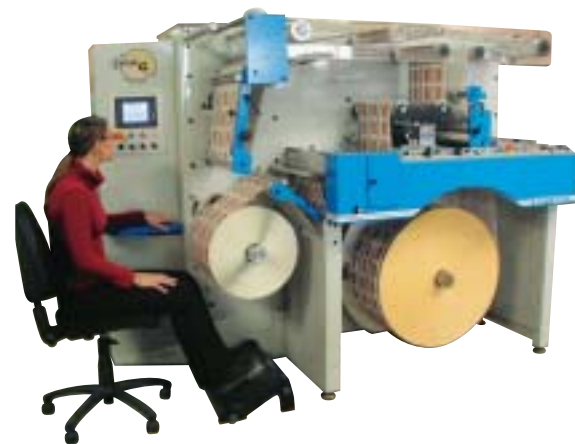
Which allows internal / external rewind process, to count and control one row. This equipment is dedicated to small or spot converting.



### C 4 R

▲ Horizontal slitter-rewinder version.

Which allows to make inspection, to slit and to rewind predetermined lengths at high speeds.



### NEPTUNE

▲ Vertical slitting-rewinder version.

Which allows to make inspection, to slit and to rewind predetermined lengths at high speeds (sitting position for the operator).



### SATURNE

▲ This equipment can work in line or off line.

And allows for slitting and sheeting labels from a web. The individual labels are accumulated on a conveyor with a counting system linked to the transport belt acceleration division system for ease of handling.

## References



● **AUSTRALIA**  
PACIFIC LABELS

● **BELGIUM**  
BRADY

● **CANADA**  
INTERGRAPHIC  
SUNWEST

● **COLOMBIA**  
ETIPRESS

● **DANEMARK**  
SETIKET

● **EGYPT**  
FASTICK

● **FRANCE**  
5/7 ETIQUETTES  
ADEM (FLEURET)  
AREMIAG  
BRULE  
CB ETIQUETTES  
CCL  
CHALAGUIER  
CREAP  
DB TECHNIQUE  
DEA  
DOURDIN  
ETIQ ROLL  
GOUSY

GRAVIC ROLL  
HAAS  
JMD  
LAMOTTE  
MARTINS STRATUS  
ORALU (CPC)  
OXYGRAVURE  
PLASTO  
PUBLIFIX  
SAG  
SUD ETIQUETTES  
INDUSTRIE  
TERPAN  
TSA (SEREC)  
TYCO

● **GERMANY**  
SCHREINER  
SPEMPEL HERBST

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