



C4R+ Generation III

Inspection
Slitting
Counting
Rewinding



A • ROLL TO ROLL MACHINES

GALAXIE, GALAXIE DUO

ROLL TO ROLL FLAT BED SILKSCREEN

- Manufactured since 1995, the Galaxie press is today the flagship of the market.



Galaxie Duo ▶



D • CONVERTING MACHINES

F1, SATURNE, URANUS

- A full range of equipment to answer all your finishing requirements, Including:
 - Fan Folding
 - Sheeting
 - In-Line Fully Automatic Non-Stop Rewinding



E • CONVERTING MACHINE FOR DIGITAL POST PRINTING

DIGITAL COMET SR

- Providing in ONE-PASS all your finishing requirements For digital webs:
 - Spot varnishing
 - Cold foiling
 - Semi / full rotary die cutting
 - Slitting & rewinding



B • INSPECTION AND CONVERTING MACHINES

DCR 2000, C4R+, NEPTUNE, VENUS

- A range of solutions for inspection slitting and re-reeling of printed reels.



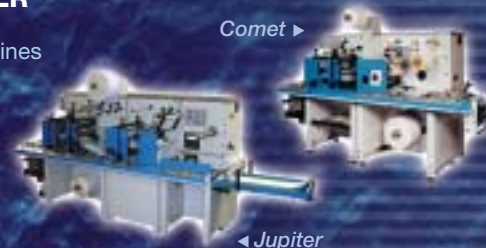
Neptune ▶



C • BLANK LABELS PRODUCTION MACHINES, SINGLE COLOUR AND TWO-COLOURS

COMET, JUPITER

- Converting machines for blank labels with potential for up to two colours of print.



◀ Jupiter

F • OTHER EQUIPMENTS

Roll lifter, Roll/tool lifter, Trim blower, Core cutter, Manual folder, cleaning fountain

- The additional equipment that will improve operator efficiency and provide a safer working environment.



▲ Roll lifter ▲ Trim blower ▲ Manual folder ▲ Cleaning fountain ▲ Core cutter

G • SPECIAL MACHINES

RFID labels insert machine

- Custom built machines to customer's specific requirements.

RFID ▶ labels insert machine



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C4R+ (Generation III)

The SMAG range of slitter rewinders the “C4R+” comprises of three models and two web width’s, the “BASE”, “INTERMEDIATE” and “ADVANCED” models existing in two web width’s of 350mm and 420mm.

As with all equipment manufactured by SMAG GRAHIQUE the range is completely modular, thus the purchase of a “BASE” unit enables the same to evolve into the INTERMEDIATE or the ADVANCED model simply by upgrading with additional equipment, now there is no need to try to second guess your potential future requirements you can adapt as the need arises, cost savings are made immediately not possibly or eventually.

With all the models of the C4R+ it is possible to add a rotary die cutting station which this is taken directly from the COMET range of equipment (see the Comet/Jupiter/RFID brochures), turning your inspection unit into a converting system in one stroke.

THE BASE MODEL SPECIFICATION:

- Rewinding slitting and trimming with precise re reeling provided by an electronic web guiding system.
- Rewinding to a single pneumatic rewind mandrel, with a label or roll length counter and programmable auto stop.

THE INTERMEDIATE MODEL:

All details as the base model with the following additional equipment;

- A control system to detect faults in the waste matrix removal, and a programmable stop position at the second splicing table.
- The possibility to add a “clear on clear” photocell system to provide a 100% inspection system.

THE ADVANCED MODEL:

All details as the Intermediate model plus the following additions;

- Two pneumatic rewinding mandrels, each mandrel is interchangeable, each shaft is completely independent providing the operator with either a “simultaneous” or “alternative” rewinding modes. This model provides the advantage of loading, unloading and re-coring whilst rewinding on the other mandrel, effectively producing “a manual non-stop system”. As with the intermediate model, faulty waste removal and programmable stop at the second splicing table, is standard.

Possibility to use “clear on-clear” photocells to provide 100% inspection.



Flag detection.



Missing labels and matrix removal detection.



Ultra sonic web guide.



Automatic stop at the second splicing table in case of default.

SPECIFICATION ACROSS THE RANGE:

- 1 off - Unwind shaft controlled with an electronic powder brake system complete with an interchangeable pneumatic mandrel (76mm dia).
- 1 off - Control photocell and splice detector (option on model “Base”).
- 3off - Fibre optic photocells for the control of missing labels or waste matrix faults, with programmable stop position to the second splicing table (not available on the base model), with the possibility to add “clear on clear” photocells to the 100% inspection system.
- 1 off - Ultrasonic web guiding system.
- 1 off - Second splicing table utilised for the removal or replacement of faulty labels and remaining waste matrix (option on model “Base”).
- 1 off - Double nip roller system prior to and after the slitting cassette providing constant tension at all times.
- 1 off - Slitting cassette with driven rotary blade and counter blades four (4) as standard, the cassette is designed to enable complete removal or adjustment without the need to break the web. A razor system is also available to interchange with the same.
- 1 off - Rewinding shaft with electronic tension control including a quick change pneumatic mandrel, 76mm as standard.(base and intermediate models only).
- 2off - Rewind shafts with electronic tension controls, each completely independent of the other can be used independently or alternatively, (this feature is available on the advanced model only).
- 1 off - Photocell for programmable reel length or label count as required.
- 1 off - Touch screen operator interface for the programming and presetting system.



Two parts slitting cassette.



Duplex rewinding system.



Quick change pneumatic mandrels.



Touch screen operator interface.

TECHNICAL SPECIFICATIONS

	Version 350 mm	Version 420 mm
Available web width's	350 mm	420 mm
Maximum unwind roll diameter	800 mm	800 mm
Maximum rewinding diameter's:		
Single rewind shaft	500 mm	500 mm
Two mandrels "Alternate Mode"	500 mm	500 mm
Two mandrels "Simultaneous Mode"	300 mm	300 mm
Maximum number of slitting blades	10	10
Minimum distance between blades	12 mm	12 mm
Electrical Requirements	4 KW tri 400	4 KW tri 400
Compressed Air Requirements	6 bars	6 bars
Total Length	2 100 mm	2 100 mm
Total Width	1 200 mm	1 200 mm
Total Height	1 700 mm	1 700 mm
Weight	500 kg	600 kg
Maximum Web Speed	250 m/min	250 m/min