GRAPHIMECC
MECHATRONICS

CODE 128   GS1 RSS   DATAMATRIX   QR CODE   RFid   RF

First VDC

Since 1985 we do one thing only: create solutions for encoding, traceability and anti-counterfeiting.

Each need can have many interpretations but only one solution.
Performance, usability and a 100% guaranteed end result.
A goal above all others: translating a brilliant intuition into objects inspired by perfection.

APPLICATION FIELDS

With **FIRST VDC** system any variable data printing needs can, finally, be managed securely also from whom does not have big production amount, allowing a **100% controlled finished product**.
The special production process developed from GRAPHI MECC allow the automatic managing of printing sequence together at 100% control of worked material according to criteria activated as:

■ legibility and quality printing for OCR encoding
■ legibility and quality printing for encodings and 1D/2D automatic reading.
■ quality printing of fix data

The whole with a semi-automatic support in manage of any further production error, allowing the operator to make a finishing product with presence of all requested codes (without any lack) according to requested sequence (without any numbering jump).
Every **FIRST VDC** system allows to work, without any specific pre-configuration, a very wide range of materials that go from continues paper to not die-cut adhesive paper, from auto-adhesive labels to plastic film, from aluminium to fabric materials.

CUSTOMIZED CONFIGURATION

Thanks to the wide range of possible configurations, it is easy to identify **FIRST VDC** as the model whom can satisfy the customer needs; consequence: high productivity and ease of use for any operator.

TECHNICAL SPECIFICS

CONFIGURATION OPTIONS	
DESCRIPTION	**VALUE/TYPE**
Available production processes	Fix/variable data printing with finished product 100% controlled. Fix/variable data printing with finished product 100% certified. Only 100% finished product controlled. Only 100% finished product certified.
Ø max of reel on Unwinder/Rewinder	350 mm
Ø mandrel reel Unwinder/Rewinder	25, 38, 40, 45, 50, 76 mm interchangable
Sensors	Optical Sensor Photoelectric sensors RGB Sensors Ultrasonic sensors Capacitive proximity sensor CCD sensors
Print Unit	Thermo Transfer Thermal Inkjet (water base ink, alcohol, solvent) Laser marking Mechanical Numbering box (typographical and rotary) RFID Unit (HF, HF with NFC protocol, UHF
Control Unit	GRAPHI plus videocamera GRAPHI light videocamera Barcode 1D, 2D reader
Maximun width of working material	80, 125, 200 mm
Minimun width of material loading on machine	12, 18, 29 mm
Designed maximum speed of work	Fino a 30 mt/min[1]
Production mode	Single Band Single-row Single band Multi-row
Workable materials	Paper Not die-cutted adhesive paper Auto-adhesive labels Plastic Film Aluminum Fabric

[1] Real production speed is connect to specifics manufacturing set and related limits of used materials.

Note
Customized solution are available on demand.

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M E C H A T R O N I C S