

# THE MOST VERSATILE LABELLING MACHINE ON THE MARKET



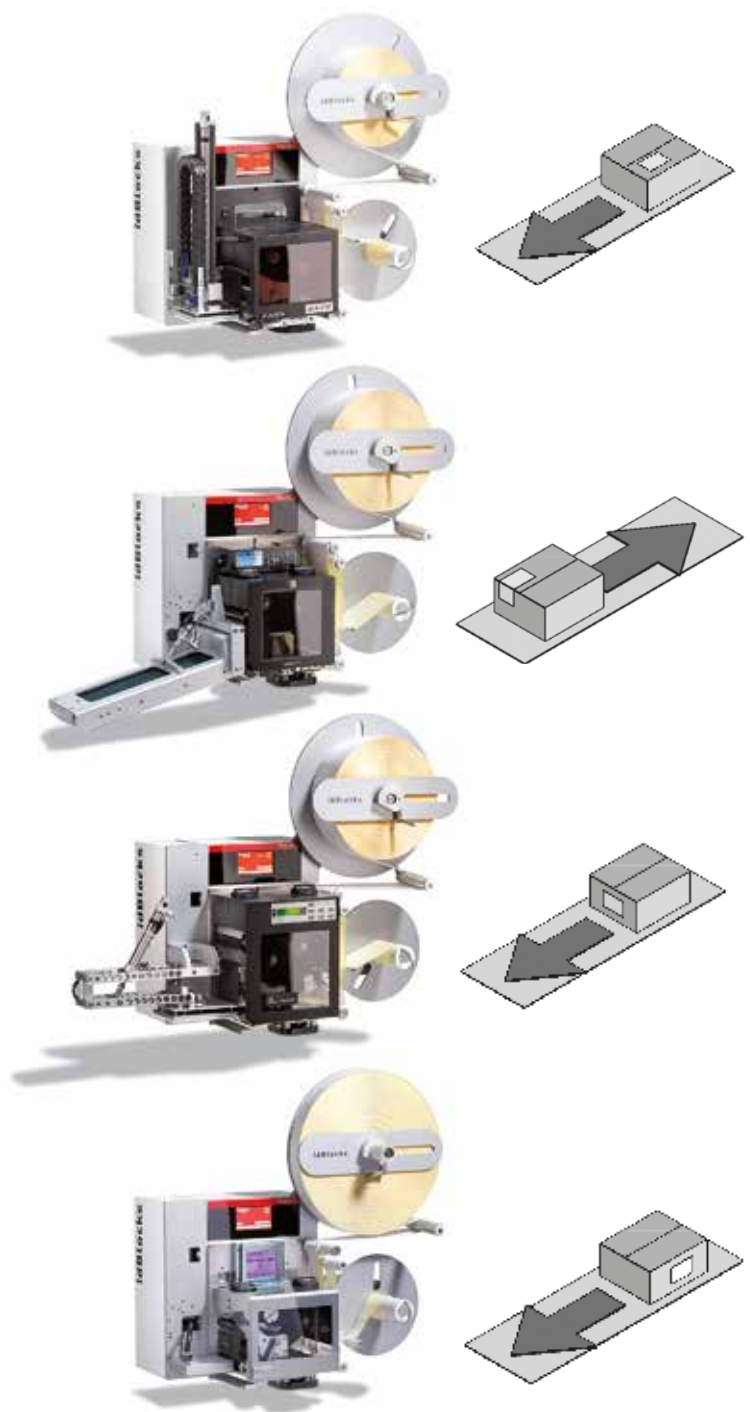
**idBlocks** by **MACSA**  
Modular. Versatile. Reliable.

**Macsa id**<sup>®</sup>  
a code you can trust

# idBlocks LABELLING MACHINES

MAXIMUM RELIABILITY ON YOUR PRODUCTION LINE.

- Its modular design allows for a wide variety of standard models. In particular, the 400 mm diameter label reel capacity and the control of the smart backing paper collector without the use of friction elements.
- The construction of the different modules with top-quality components such as anodised aluminium, technical plastic and the use of devices from leading manufacturers give the idBlocks great reliability and an optimum performance.
- The possibility of using OEM printers means that this labelling machine can be adapted to any printer module on the market, making maintenance easier and allowing the use of backup replacement printer modules.
- The wide variety of applicators available (over 100 different variants) enables the right applicator to be chosen for the requirements of the application. The standard applicators adapt to practically all market needs.
- The touch screen allows for easy handling of the labelling machine's configuration parameters. It also enables the state of the unit and testing tools to be monitored for the purpose of maintenance and fast problem location.
- The diversity of external communications including Ethernet give flexible interconnection with the production lines and allow the unit's state to be monitored remotely and the unit to be easily integrated in automated production lines.



# PALLET LABELLING

ON SEVERAL SIDES



Front-side / side-rear

MACSA pallet labelling machines can print and apply A5 labels on two adjacent sides of the pallet, first on the front-side and then on the side-rear without turning the pallet.

The machine's external structure has been redesigned to make it easier to handle. The touch screen or built-in control panel (optional) in the protection cab allow information to be administrated locally.

In its servo electric version, the pallet cab can label more than 180 pallets an hour (3 pallets a minute) depending on the line production rate.



## idBlocks INDUSTRIAL SECTORS

- Drinks
- Packaging
- Construction
- Textile
- Tobacco
- Chemical
- Foodstuffs
- Cosmetics
- Pharmaceutical

# MACSA

## A CODE YOU CAN TRUST

MACSA is a company that provides solutions to its customers' coding, identification and traceability needs. It brings together different technologies in hardware and software, services, consumables and other supplies for manufacturing companies in such diverse sectors as the food, cosmetics, pharmaceuticals, automotion and electronics.

1908



Framun started out with the leading technology of the time: rubber stamps.

1960



We introduced roller marking. The fastest on the market at the time.

1989



We started to develop our first laser coding system.

1996



We extended our sales to the international market. First distributor: Germany.

1999



We added new countries to our distributor list: USA, Italy, France.

2006



We extended the list of distributors in China, Thailand, Philippines, Ecuador, Argentina, Poland, Greece, Mexico, Norway, Brazil, Czech Rep., Russia, India.

2007



We developed the first applications with RFID technology.

2009



iCON, the first small laser coder, finally allowing the jump from inkjet to laser without the excuse of the price.

2011



We brought two new developments into our range of laser products: iLASERBOX and iLABEL. We opened new production centres, Macsa Sant Joan, and new headquarters in Singapore and Mexico.

2012



We introduced novelties in our range of products: Nano, HPD series, Optima Software and Serial Software.

2013



We extended our services by making neutral or printed labels in our new production centre in Sabadell.

**codilabel**<sup>®</sup>

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## idBlocks LABELLING MACHINES

# MODULARITY MAXIMISING FLEXIBILITY

idBlocks is the most effective answer to flexibility needs in labelling applications.

idBlocks is built in extractable modules that are easily fixed to the machine body to allow rapid replacement to adapt to labelling requirements.

### COMPLETELY MODULAR

#### CONTROL UNIT

It incorporates its own high-performance electronics with a 4.3" multi-function touch screen.

#### BASE BOARD

A single, very strong 12mm board supporting the rest of the modules.

#### APPLICATOR

Combining the pneumatic elements necessary for the 5 application systems available.



#### UNWINDER

Allowing rolls of up to 400mm in diameter.

#### REWINDER

Stepper motor adapting to the printing speed in real time.

#### OEM PRINTER MODULE

Integrating the main OEM printers on the market.



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## idBlocks, THE INNOVATIVE HIGH-SPEED LABELLING SYSTEM

idBlocks has a range of applicators that enable the labelling speed to be maximised in all kinds of production line.

Thanks to the powerful air ejection application system, in certain cases the idBlocks can achieve productions of over 300 labels per minute.

The servo electric applicator combines excellent printing quality with the high speed label application.





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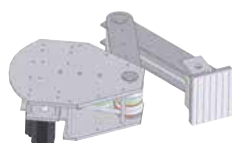
# idBlocks LABELLING MACHINES

## VERSATILE AND ADAPTABLE SOLUTION

idBlocks has a wide range of label applicators to cover the market's strongest needs.

Thanks to the design of the applicator system, it is possible to place labels in any position, at different distances and adapted to the surface of the product.

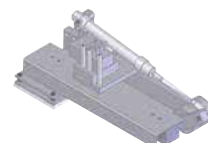
idBlocks labelling machines can incorporate different standard accessories such as consumable forewarning, IP protection screen, scanners, etc. to offer maximum adaptability across the production lines.



**SERIE 10**  
Pallet: Pneumatic (1 or 2 stops) and Servolineal.



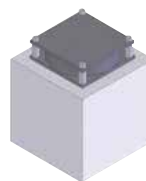
**SERIE 20**  
Linear – Tamp Blow



**SERIE 30**  
Front – Tamp Blow



**SERIE 40**  
Fan Belts



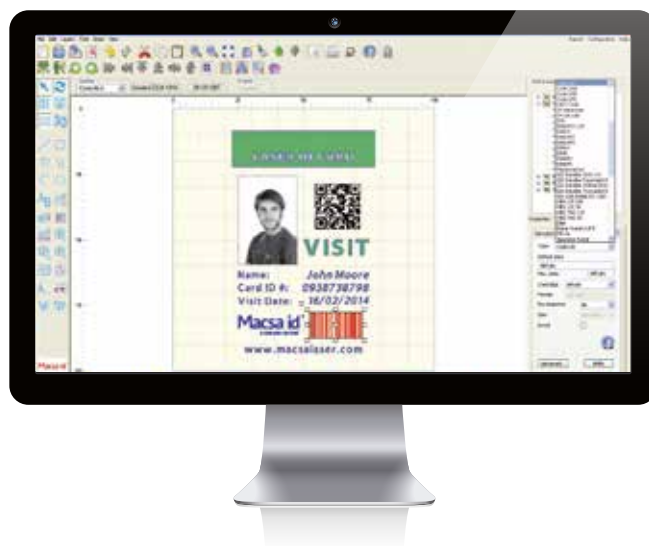
**SERIE 50**  
Blow

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## MARCALAB, THE LABEL DESIGN SOFTWARE

MARCA-LAB is an advanced label design and integration software that assures connectivity with your production management systems.

Images, barcodes (EAN128, EAN13, Datamatrix, etc.), fonts, etc. can be inserted and the information sent to the printer.



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idBlocks LABELLING MACHINES

# HIGH PERFORMANCE WITH MAXIMUM RELIABILITY

idBlocks possess an industrial design with a highly reliable compact and modular structure. The labelling machine is made with top quality materials and an anodised aluminium structure resistant to tough and adverse working conditions.

Low maintenance and adjustment-free.

Its high-performance electronics offer maximum reliability and enables it to be interconnected with all types of production lines.

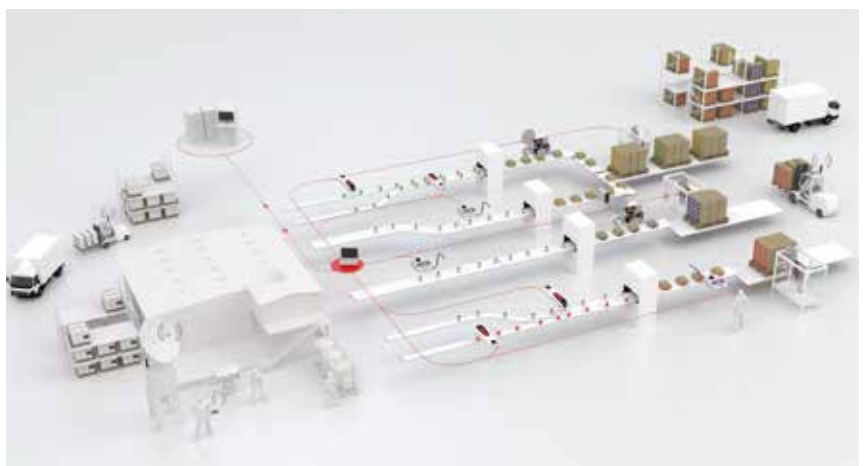


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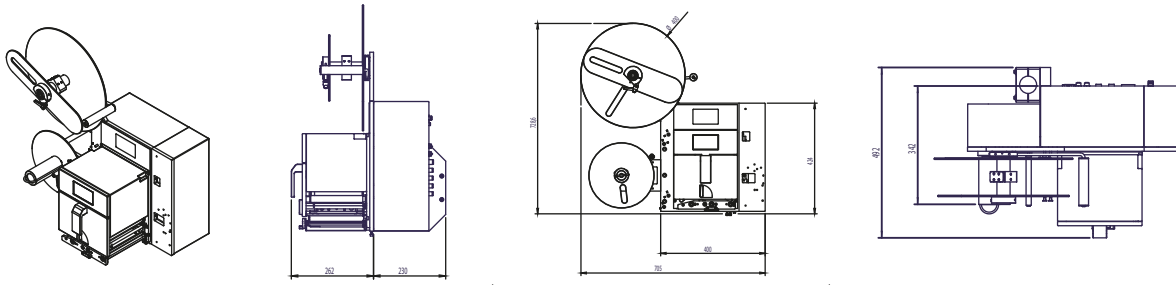
## OPTIMA, MANAGING FROM A SINGLE POINT

Many people intervene in the coding processes, performing multiple manual operations.

To avoid this, Macsa has created Optima, packaged software that concentrates the whole coding and marking process on a single point to drastically reduce the number of interventions.



idBlocks



		idBlocks 40	idBlocks 60
<b>MODEL</b>	Type of applicator	10 - Pallets, 20 - Linear, 30 - Front, 42 - Fan Belts, 50 - Blow	
	Application system	Contact by Vacuum and blowing, Dragging, Air ejection.	
	Fixing system Label	Vacuum by Venturi or fan	
<b>DISPENSER</b>	Hand	Left / Right	
	Maximum label width	110 mm	160 mm
	Exterior roll diameter	400 mm (admits IN/OUT winding)	
	Internal mandrel diameter	76,2 mm (3")	
	Rewinder	Smart Automatic (without clutch and self-calculated speed)	
<b>PRINTER</b>	Brand	DATAMAX, SATO, ZEBRA, AVERY, CAB	
	Printing method	Heat transfer or Direct transfer	
	Resolution	200 DPI to 600 DPI	
	Ribbon winding	IN / OUT	
	Ribbon capacity	Up to 1000 m.	
<b>USER INTERFACE</b>	idBlocks control	Touch screen 4.3" embedded in 5.4" peripheral O-chassis (optional)	
<b>COMMUNICATIONS</b>	Communication Ports	Ethernet - Serial RS-232 - USB - Bluetooth  (Optional)	
	Inputs / Outputs	23 PNP Inputs 21 Dry contact & Open collector Outputs	
<b>SPECIFICATIONS</b>	Length	705 mm	
	Height	729 mm	
	Depth	446 mm	492 mm
	Weight	45 Kg.	
<b>LABELLING MACHINE</b>	Printer	Approx. 15 Kg.	
	Power supply	110 - 240 V AC	50 / 60 Hz
	Power consumption	500 W	
	Compressed air	5 - 6 bar. dry and clean air	
	Pneumatic consumption	50 l/min.	
	Temperature	+ 5°C to + 40°C.	
	Humidity	20 - 85% without condensation	

APPLICATOR	Series 10 - Pallets	Series 20 - Linear	Series 30 - Front	Series 40 - Fan Belts	Series 50 - Blow
Hand	Right or Left ; 6"	Right or Left ; 4" & 6"	Right or Left ; 4"	Right or Left ; 4"	Right or Left ; 4"
Type of applicator	Pneumatic or Servo Electric	Pneumatic cyl. + Blow	Pneumatic cyl. + Blow	Drag	High energy ejection
Application system	Contact and blowing	Contact and blowing	Contact and blowing	Contact	Blowing
Label affixing system	Venturi	Venturi	Venturi	Venturi	Venturi
Cylinder run	600 ;800mm	De 250 mm a 800 mm	De 250 a 400 mm	De 5 a 50 mm	--
Useful run	500; 700mm	De 210 a 740 mm	De 200 a 350 mm	30 mm	--
Pad	PVC	PVC; Foam	PVC; Foam	Belts	Aluminium
Minimum label	160x210mm	40 x 40 mm	40 x 40 mm	40 x 40 mm	30 x 30 mm
Maximum label		110 x 110 / 150 x 210 mm	110 x 110 / 150 x 210 mm	110 x 3000 mm	110 x 110 mm
Production (*)	Pneumatic: 120 pallets/h. Servo: 240 pallets/h.	Up to 60 lab/min.	Up to 30 lab/min.	Up to 40 lab/min.	Up to 150 lab/min.

\* Estimated Productions as working conditions.

# idBlocks by MACSA

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