

S-PRINT

High-definition printing

S_Coding
Trace Evolution

S-PRINT SERIES
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Discover innovation with our industrial HD printers, manufactured and assembled in Spain by Smart Coding. This range of high resolution printers has been meticulously designed to mark large messages on porous surfaces such as ceramics, boxes and pallets.



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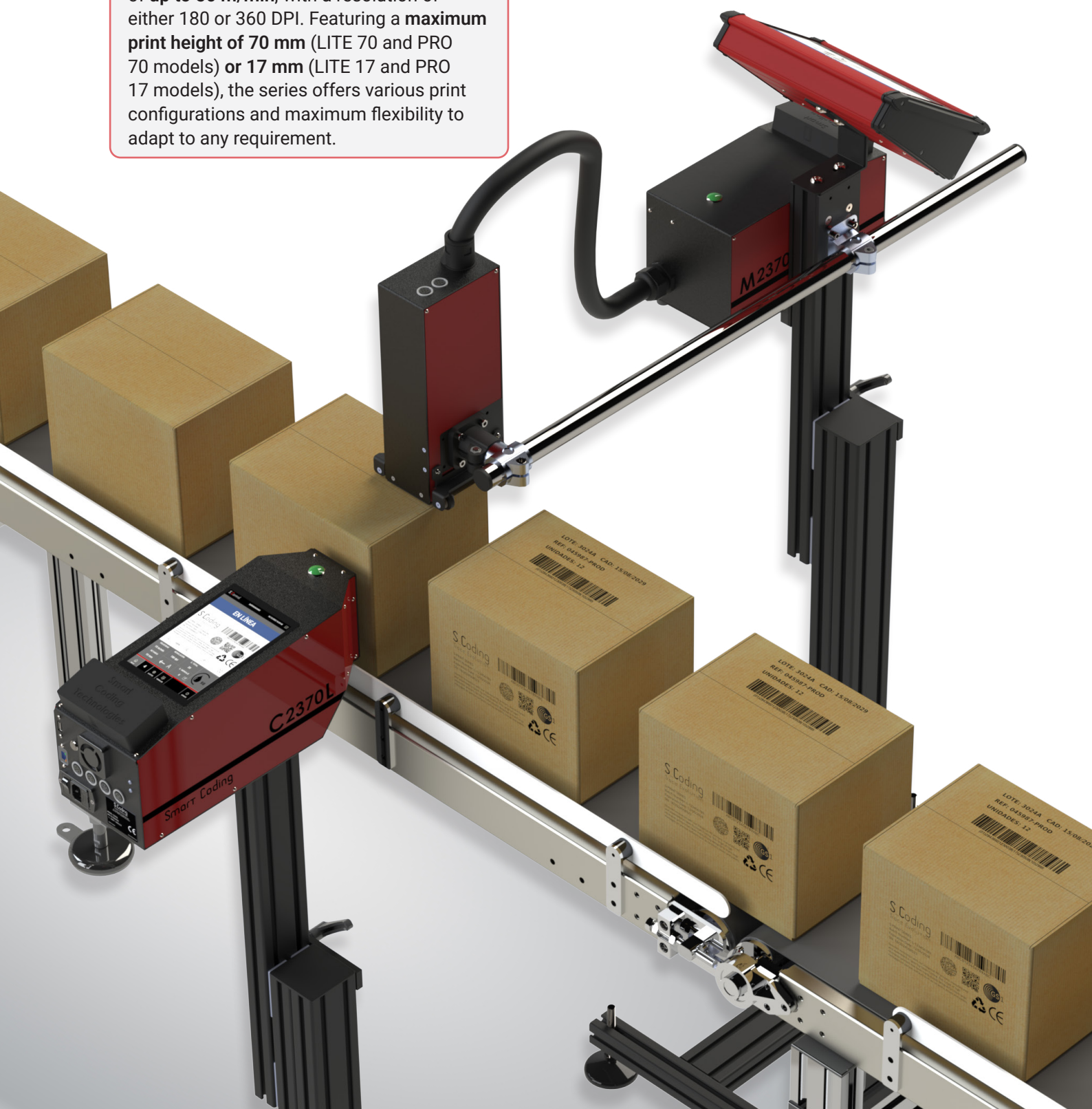
Smart Co

High-definition printing for packaging, ceramics and pallets

Designed and manufactured in Spain by Smart Coding, the HD Series leads the way in high-resolution printing for porous surfaces. This range blends an **ultra-compact** design with maximum reliability and **energy efficiency**, ensuring low consumption and seamless integration into any production line without compromising performance.

They print directly onto the product at speeds of **up to 50 m/min**, with a resolution of either 180 or 360 DPI. Featuring a **maximum print height of 70 mm** (LITE 70 and PRO 70 models) or 17 mm (LITE 17 and PRO 17 models), the series offers various print configurations and maximum flexibility to adapt to any requirement.

Perfectly suited for the identification of **cardboard boxes, wood, pallets, and ceramics surfaces**. Their robust design makes them ideal for demanding environments such as the food or chemical sectors, among others. These systems enable the real-time printing of text, numbers, logos, barcodes, QR codes, or images, seamlessly integrated into the production line.



Printing technology

With a resolution of 180 or 360 DPI and a **configurable drop volume of up to 75 pl**, these systems guarantee high contrast and consistent print quality.

Their **throw distance of up to 10 mm** protects the printhead from collisions and splashes, effectively eliminating nozzle clogging.

Optional **product guidance and impact absorption** can be integrated, ensuring maximum protection for both the printhead and your products.



Operational efficiency and consumption control

The S-Print Series stands out for its intelligent ink management: operators can view in real-time the remaining percentage in the 0.5L bottle and the exact number of prints available.

Furthermore, the **automated purging system recovers ink** through a filtration and return process to the reservoir, eliminating any waste.



Reliable and robust printer

A robust and precise printing system designed for high-productivity environments that demand absolute repeatability. Featuring an **aluminium and stainless steel structure**, the equipment offers total control via real-time diagnostics on its 8-inch screen and an adjustable-distance photocell.

Furthermore, the **EPAL and GS1 certification** of our printers and inks ensures compliance with the strictest international standards for marking.



Intelligent Integration and Advanced Software

Connectivity is at the core of our technology. The system integrates seamlessly into Industry 4.0 environments, enabling bi-directional communication with PCs, databases, ERPs, vision systems, and code readers.

For message creation, **the printer includes integrated editing software** compatible with the market's leading labelling programmes, while also offering a proprietary tool for developing custom templates



It features **Smart Label Editor**, an advanced label design tool equipped with a barcode gallery, automatic validation, and substitution rules, among other functions. Its native converter allows for the fluid transformation of templates from external software. It also incorporates **S_Control**, the smart management ecosystem designed by S_Coding to simplify industrial marking. More than just an interface, it is an intuitive command centre that enables real-time monitoring, configuration, and optimisation of printing performance.

A Commitment to Sustainable Coding

We are committed to technology that protects both your product and the planet. We use **MOF (Mineral Oil Free) inks formulated with vegetable oils**, guaranteeing minimal environmental impact while ensuring the recyclability of cardboard packaging remains unaffected.

This commitment to the circular economy is further supported by **our ink bottles, which are fully recyclable**, ensuring efficient, clean, and responsible coding.



Quick and easy ink replacement

Ink replacement in the S-PRINT is a quick and clean process: simply open the top cover, replace the empty bottle with a new one, and let the system handle the rest. Upon insertion, the bottle is automatically pierced to drain its contents into the internal reservoir.

Furthermore, thanks to a design that **ensures 100% ink utilisation**, the bottles are fully recyclable, keeping generated waste to an absolute minimum.



S-PRINT SERIES RANGE



S-PRINT LITE

Maximum flexibility in a compact footprint: **print with total freedom in any direction**, with models available in 17 mm or 70 mm heights to suit your requirements.

Also available in a **stainless steel (INOX)** version, specifically designed to meet the most demanding standards of the food industry.



S-PRINT PRO

This compact unit enables 17 mm or 70 mm printing in any orientation, making it the **ideal solution for restricted-access areas**.

Its print module features a 60 mm extensible arm and a rotation capacity of up to 90°, **facilitating vertical marking or precision coding on inclined conveyor belts**.

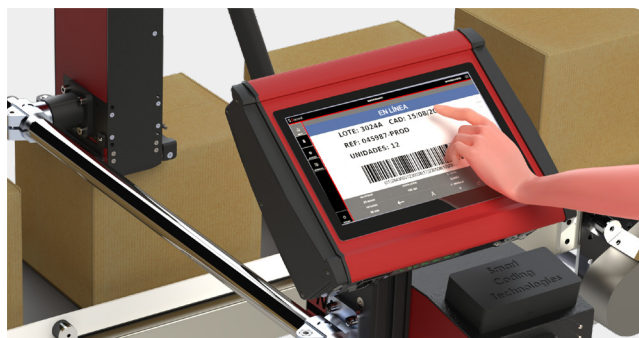


S-PRINT MODULAR

The modular architecture of the S-PRINT system is the ultimate solution for production lines with **limited space or complex access points**.

Thanks to its extraordinary flexibility, the printhead enables total marking **in any position: upjet, downjet, side** (standard or inverted), **perpendicular, and rear-edge**. Available in 17 mm and 70 mm versions to suit every printing requirement.

Intuitive technology designed for the operator



High-performance interface: HD-resolution colour touchscreen. Available in an 8" (1280x800) version for the Lite and Pro models, and a 10.1" (Controller Display) for the Modular model, enabling the management of up to 4 printheads. Its intuitive icon-based architecture ensures total, visual, and direct control of the entire system.



Real-time diagnostics and control: Optimised software providing instant equipment status updates for an immediate response to incidents.



Personalised Security: User management system with configurable access levels. Protect your processes by limiting functions based on each operator's profile and responsibility



Tool-free adjustments: Height and depth configuration via a fast and precise regulation system. Change formats in seconds without the need for external tools, minimising downtime.

Modular Design

Its design, based on **independent modules**, allows for rapid printhead replacement in the event of nozzle damage, minimising downtime. Furthermore, this flexibility facilitates the upgrade of a LITE unit to a PRO model in simple steps, seamlessly adapting to your production growth.



Certified solution for the timber and wood sector

S-PRINT printers are the definitive tool for timber and pallet marking, offering exceptional legibility even on porous and irregular surfaces. Thanks to our advanced technology, we guarantee precise, indelible marking that meets the most demanding industry standards.

In fact, our systems **hold official EPAL** (European Pallet Association) **certification**, ensuring that every print strictly complies with international regulations for pallet identification and exchange within the global supply chain.





PRINTING METHOD	Piezoelectric Print head
PRINTER	LITE 17, LITE 70, PRO 17, PRO 70, MODULAR 17 and MODULAR 70
PRINTING SPEED	Up to 50 m/min. With encoder at 34 m/min
PRINT RESOLUTION	Up to 360 dpi at 75 pl
MAXIMUM PRINTING HEIGHT	17 mm (LITE 17, PRO 17, MODULAR 17) 70 mm (LITE 70, PRO 70, MODULAR 70)
MAXIMUM PRINTING LENGTH	2000 mm
INK BOTTLE CAPACITY	500 ml
STANDARD INTERFACE	USB 2.0 (Type A), Ethernet (IPv4/v6)
ENERGY REQUIREMENTS	AC100V – AC240V $\pm 10\%$, 50/60 Hz, Power supply with automatic calibration
ENVIRONMENTAL CONDITIONS	5-45°C / 10-85% HR (without condensation)
CERTIFICATIONS	CE, EPAL, GS1
WEIGHT	LITE 4,5 Kg (excluding stand) / PRO 5,5 Kg (excluding stand)
DIMENSIONS	LITE: 150 x 195 x 412,5 mm (W x H x D) PRO: 150 x 195 x 592 mm (W x H x D)

Standard Features

USER INTERFACE	8" LCD colour touch screen. 1280x800 resolution
PRODUCT DETECTOR	PNP direct reflection photocell, adjustable range (other types optional)
WARNING BEACON	3-colour status indicator
ON-SCREEN DIAGNOSTICS	Information messages on the screen
ON-SCREEN INFORMATION	Status, print counters, error monitor, product sensor, printer status monitor, ink level, ink temperature.

Optional Features

WARNING BEACON	Modular 3-colour status indicator
FIXED SUPPORT	Adjustable from 750 to 1100 mm
CONVEYOR MOUNT	Mounting to existing conveyor belts
GUIDED PRODUCT SYSTEM	Product and print head protection
SHOCK ABSORPTION SYSTEM	Product and print head protection
PRODUCT DETECTOR	PNP background suppression photocell, direct reflection, and adjustable range
CONTROLLER	10.1" Display Controller for 1 print head and Multihead Controller for up to 4 print head

SMART CODING TECHNOLOGIES

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