



Industrial Inkjet Solutions for Pallet Manufacturing



About Timbermark

Timbermark is a specialist provider of industrial inkjet marking systems designed for the pallet and timber processing industries. With decades of experience supporting pallet manufacturers and repairers, we engineer equipment that performs reliably in real world factory conditions. Timbermark operates across the UK and Europe.

OUR STRENGTHS:

- ▶ A passion for customer service, innovation, technology
- ▶ A network of sales and service partners across Europe
- ▶ Supplier to major European pallet groups
- ▶ HQ in Oxford and a subsidiary in Belgium for tax free shipping within the EU

About Yeacode

Yeacode is a world leader in piezo inkjet systems and is based in Xiamen, China.

Yeacode is committed to the development, manufacturing, and global sales of industrial inkjet equipment, serving the printing, packaging & labelling, and industrial manufacturing sectors. Its products are exported to customers worldwide.

Timbermark has been working closely with Yeacode since 2018. Together, we are adapting Yeacode's innovative inkjet printer system to best suit the needs of the pallet industry.



Timbermark/Yeacode Pallet Printing System

The 7 series recirculating inkjet system is the best available technology for pallet marking projects. It is designed and built for reliability, safety, and ease of maintenance. The print quality is outstanding, from 3cm distance, even onto rough or damp surfaces. The system is approved for printing Europallets, and the control system has an upgrade for the EPAL QR code serialisation function.



Yeacode 7SA Inkjet Print Engine

- ▶ Seiko 108 mm, 360 dpi printhead
- ▶ Large 100 pl drop size for dense black coverage.
- ▶ Up to 30 mm throw distance to avoid nails, dust, and surface irregularities
- ▶ Up to 60m/minute line speed



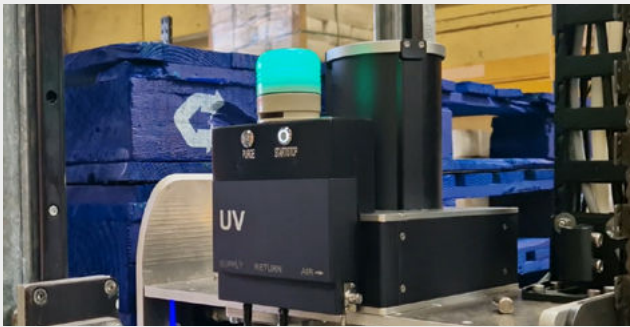
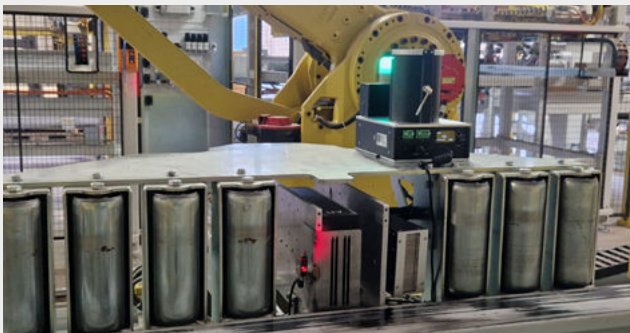
Ink & UV Curing Technology

- ▶ Recirculating ink system for stable, clog free performance
- ▶ Gives crisp print on rough or wet-painted surfaces
- ▶ UV curing black ink for instant dry, high contrast marks
- ▶ White UV ink for painted pool pallets



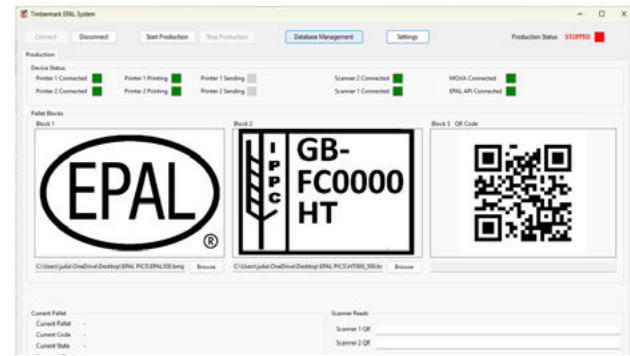
Industrial Installation

- ▶ Mounting metalwork is designed specifically for pallet factories
- ▶ CE marked electronics cabinet on robust frame
- ▶ Print head protection against nails



Control & Integration

- ▶ PC based controller with dynamic image sequencing
- ▶ Consistent, accurate positioning on the pallet blocks
- ▶ EPAL upgrade option for 'Master Computer' function, QR code scanners and reject signal



Robotics Integration

We work with a range of robotic equipment suppliers on pallet production systems and wide-format printing for potato box panels.



TECHNICAL SPECIFICATIONS OF PRINTER SYSTEM

SPECIFICATION	DETAILS
Print Technology	Piezoelectric printhead
Print Engine	Seiko RC1536
Print Height	108 mm
Resolution	360 dpi
Drop Size	Up to 100 pl
Throw Distance	Up to 30 mm
Printing Speed	Up to 118 m/min
Ink System	Recirculating ink supply
Compatible Inks	UV inks, oil based inks
Print Orientation	Sideward or downward
Installation	CE marked cabinet, steel frame
Approval	EPAL inkjet supplier



TECHNICAL SPECIFICATIONS OF UV LEDS

DESCRIPTION	9LH28112
Wavelength	395nm
Curing Length	28mm
Curing Height	112mm
Curing power	500W
Cooling method	Air-Cool
Brightness adjustable range	10% - 100% (adjustable)
UVLED size	140*112*28mm
Installation	Sidward, Downward
Operation	5°C - 35°C
Storage	0°C - 40°C
Certificate	CE, FCC

GET IN TOUCH

Speak to Timbermark today to arrange a consultation or on-site demonstration.

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