



B. BARBERÁN
Solutions since 1929

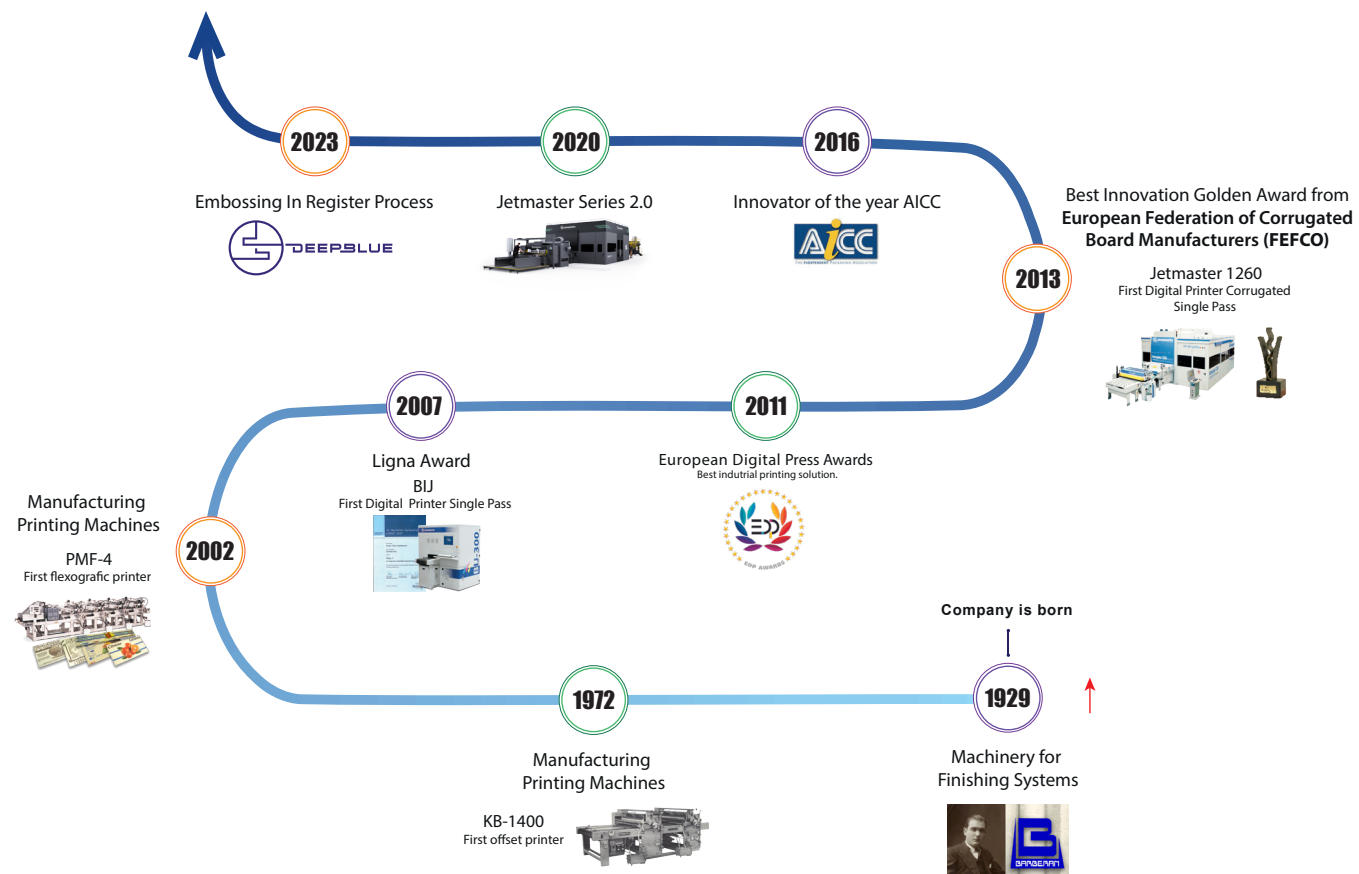
Jetmaster Series 
digital printing machine 

Digital Printing Single Pass

Roll to Roll in line
Printing & Coating

Evolution of Print

For almost two decades we've been designing and manufacturing cutting edge digital printing systems for different market segments. Continuous developments and using of the latest available components and technology keeps the Jetmasters at the forefront of singles pass digital printing solutions.



Our Team

A great team of professionals from all over the world ensure our clients receive the best training and service.



Markets

We can work with multiple kind of substrates and make sure our Jetmaster adapts to the customer's needs. (e.g. furniture, displays, packaging, plastics, finish foils etc.)



Packaging



Deco



Displays & Signage



Flooring

Single Pass Technology

All Barberan digital presses are based on the single pass technology aiming for the highest print quality at industrial speeds. The Jetmasters are available with speeds up to 120 m/min, 4 or 6 colors, single or double print row and options to include a digital white and/or digital top coat application.



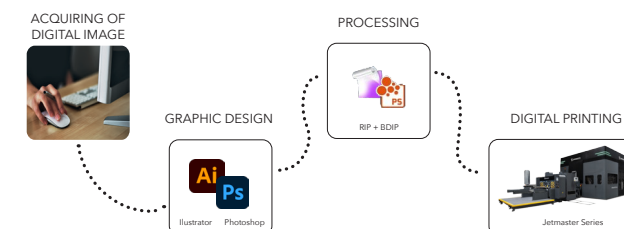
High Reliability and Profitability

Barberan's single pass machines have been developed to ensure the high quality standards in the industry. More than hundreds of industrial installations worldwide, printing millions of square meters per month, demonstrate our commitment to each customer.



Printing Processes

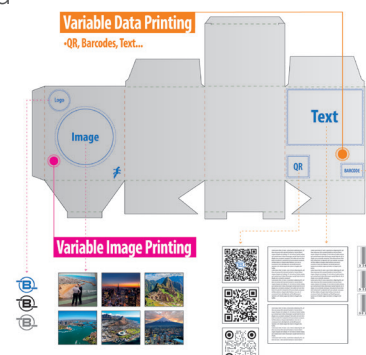
Forget about rollers and stencils used in the conventional printing technologies. A digital print file is uploaded to the machine's platform, passing through the RIP which converts it into a print file and we're ready to go.



Variable Data System

Software for high productivity solutions that allows to merge personalized messages, images, barcodes or QR on a static base image in real time at high printing speed. The system has been entirely developed by Barberan considering the peculiarities of a large format

Single-Pass system is a fantastic tool for a wide range of applications in the printing industry. With VDATA technology you can turn a simple box into something unique and of great added value.



eg: Corrugated cardboard box

G7 Certification Ready



Jetmaster printers are ready to achieve the strict G7 requirements in order to assure complete control of the entire graphic production process, from proof to print, guaranteeing maximum accuracy and consistency of color matching and quality.

Master Vision

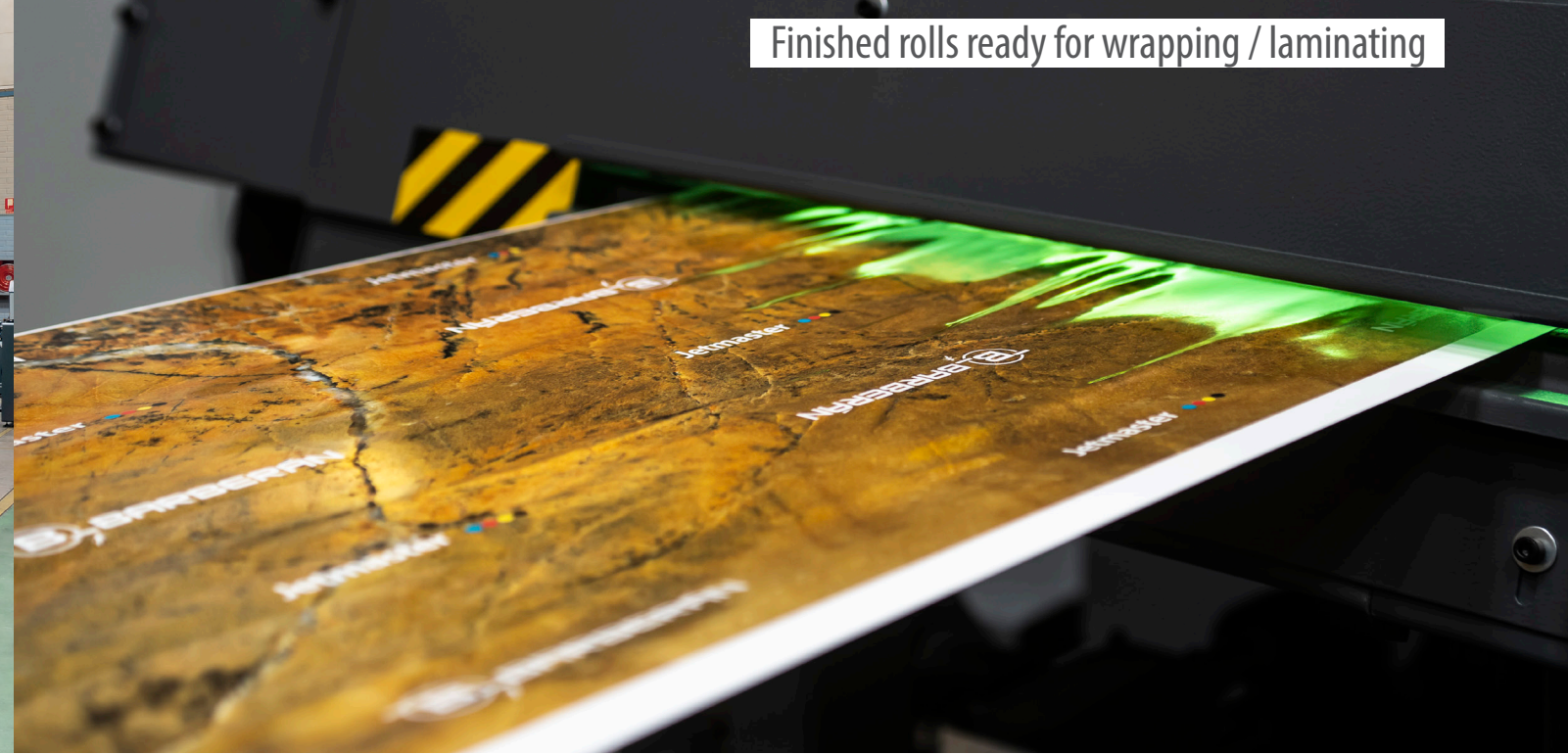
Save time and material with our electronic Inspection system based on artificial vision to automatically calibrate the Jetmaster printer.

MasterVision allows you to reduce the time needed to prepare the machine and keep it in the best conditions during production. The system is able to analyze the degree of calibration of the machine, detect defects and inform the G6 machines software to introduce the necessary countermeasures, both at setup and production time.

Mastervision is modular, adapting to the printing width of the machine and the specific needs of the production process.



Finished rolls ready for wrapping / laminating



RCM Roll to Roll Installation

Introducing the RCM (Roll Coating Machine) Jetmaster, a revolutionary roll-to-roll digital printing line. This line is designed to print and apply a top coat, transforming raw roll materials into finished products.

The Jetmaster digital printer is the centerpiece of the line, with an impressive 600 dpi resolution and the ability to print up to 6 colors and accommodate widths from 230mm up to 1380mm.

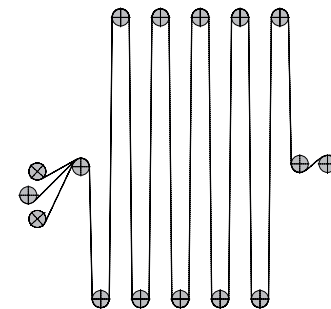
This is complemented by a series of finishing modules, which enables to obtain several finished designs in multiple materials, giving the flexibility to create a wide range of stunning products with finished textured effects, both haptic and optic.

Why Jetmaster RCM?

The RCM Jetmaster is the perfect solution for businesses that demand high-quality printing and finishing capabilities with a quick turnaround time.

Advantages:

- Unbeatable flexibility and fast time to market.
- In house design capabilities.
- Reduction of cost comparing to conventional processes.
- Stock reduction.
- Immediately ready for post production process. (wrapping, lamination, coating).
- Modular design for different finishing options.
- 100% UV drying technology.



Non stop system with buffering system as an optional.

Technical Specifications

- Printing width of 230mm up to 1380mm.
- Capable of printing up to 6 colors at 600 dpi.
- Offers the option to add a station for applying digital texture. (optional)
- High speed 30m/min.
- Wide range of materials.

Digital Printer

Jetmaster machine from 230 up to 1380mm printing width. With up to 600 dpi's and 6 color printing.

Optionals:

- Digital texture
- Digital top coat
- Digital white

Applications

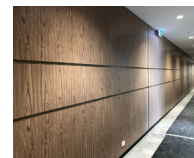
Our solution provides the best performances required by different applications and markets.



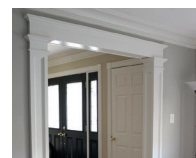
Flooring



Transition Pieces



Deco Panels



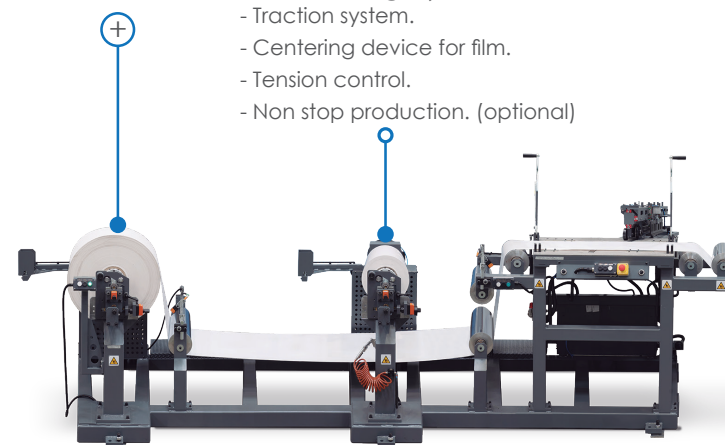
Molding Profiles



Furniture

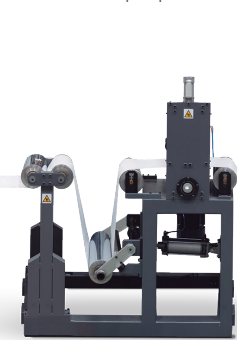
Unwinding System

- Traction system.
- Centering device for film.
- Tension control.
- Non stop production. (optional)



Primer

Possibility to add a primer station and drying unit for extra film preparation and thickness.





Video



Immediately ready for post production process

RCM Modules

Offer a comprehensive system with three distinct modules for coating applications, each designed to meet specific requirements and achieve exceptional results:

- First module (MA-1)** is designed for high-performance products, particularly well-suited for applications such as flooring. It enables the application of a thick coating layer, ensuring optimal performance and durability.

- Second module (MA-2)** is a standard coating application used for top coats. It provides a reliable and consistent finish, ideal for various applications.

- Third module (MA-2T)** offers the option to combine with an engraved roller, allowing for the creation of unique finishing effects, both haptic and optical textures. This module provides versatility and customization options to meet specific design preferences.

All modules are equipped with UV dryers featuring advanced temperature management systems. These systems ensure precise control over the foil temperature, guaranteeing optimal drying conditions for the coatings.

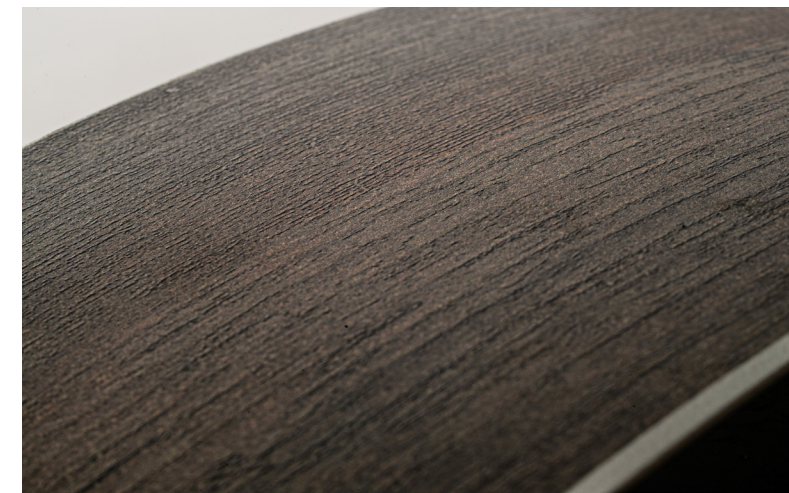
RCM Rolls

The RCM line also features an unwinder with centering and balancing systems, as well as a rewinder with the same systems to ensure consistency from beginning to end. (Possibility to implement a double unwinder and rewinder for non-stop productions).

Thanks to its efficient design, there are no waiting times or extra handling operations.

Orders can be processed immediately, and the finished product can be wrapped and ready to go on the very same moment.

⊕ Second optional spool.



MA-1

First station provides thick wear layer for the flooring industry with up to AC4 rating.

MA-2

Second station provides the finishing effect to the foil, providing the gloss or matt finish selection.

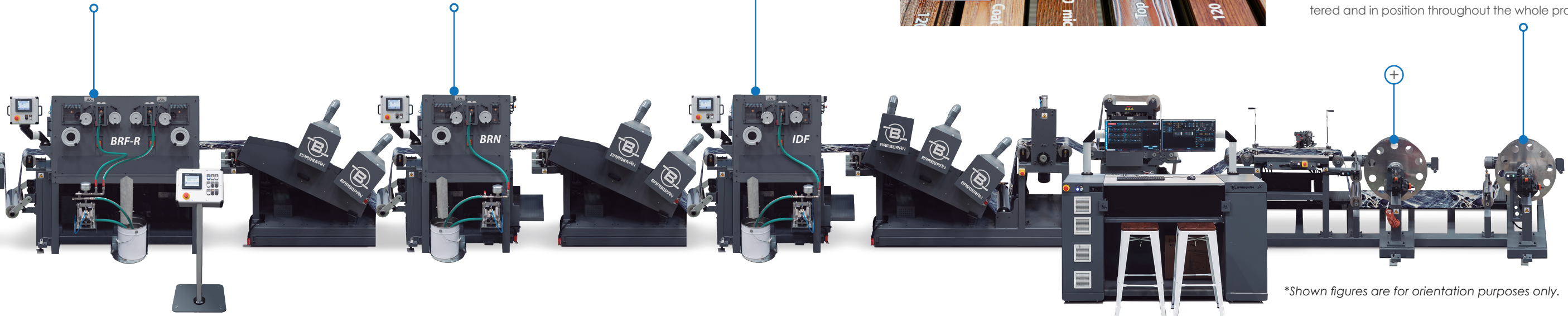
MA-2T

Third station with engraved roller, that provides a realistic embossing effect.



Rewinding System

Rewinding system for finished and cured rolls ready to be placed for immediate profile wrapping or lamination. It also has a foil centering device to ensure the film is centered and in position throughout the whole production run.



*Shown figures are for orientation purposes only.

Jetmaster Cloud

A centralized system for the Jetmaster work data analysis that shows the status and performance of the machine in detail from anywhere and at any time.

Jetmaster Cloud saves all the production data, cost and preventive maintenance data. You can use your browser to consult the detailed history of:

- **Production data:** printed meters, sheets, production times, uptime.
- **Production costs:** Waste, Ink Consumption.
- **Incidents:** Alarms, Warnings.

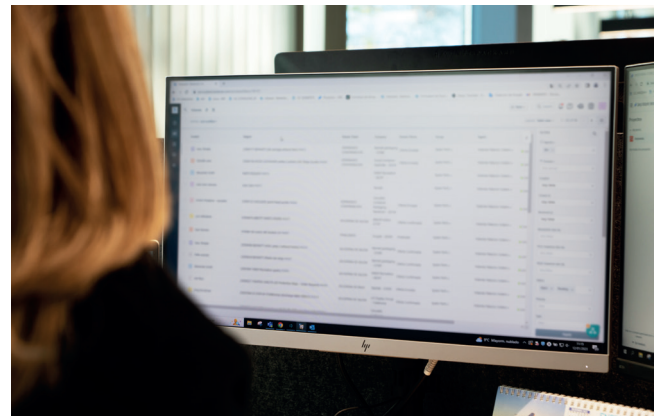


Service Desk



Service Desk is a new service-oriented platform for our customers, based on incident management and spare parts ordering to facilitate and streamline each case in the most optimal way.

This platform will allow all spare parts orders to be placed and will provide an online incident management system as well as a direct communication system with our specialized technicians.



Location:
Castelldefels - Barcelona



More than 35.000 m²



Over 190 professionals



Certified quality system
by TUV



Export quote > 95%

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