



Single Pass SOLUTION

for the decor industry

Jetmaster Series 

digital printing machine

 **BARBERÁN**
Solutions since 1929



JETMASTER SERIES THE SINGLE PASS REVOLUTION

Barberán S.A. is a family-owned enterprise that has been manufacturing industrial surface finishing machinery since 1929.

Our first Single Pass Digital Printer was released in 2007 to improve production capacity in several industries such as furniture, construction, packaging and deco.

Barberán digital contact-free system makes it possible to print on any type of surface for decorative sector.

Some of the printing challenges we have overcome are lowering consumption and maintenance costs and increasing flexibility and reliability.

That means our Jetmaster Series printing technology can offer drastically reduced ink consumption without losing chroma and maintaining the highest printing quality.

FASTER SPEED

Single Pass digital printing system is designed for industrial applications with printing speeds up to **60m/min on wooden surfaces** and **now 80m/min on corrugated**.

BETTER FLEXIBILITY

Thanks to our experience treating surfaces, we have found a solution for a wide variety of materials.

HIGHER PROFITABILITY

No need for print plates of litho labels nor clichés, **print on demand** without production stops for design change.

LOWER MANUFACTURING COSTS

Visualized and controlled ink costs. UV curable inks improve the printhead behavior with a lower maintenance cost per year.

TEXTURE

Digital texture generation: BARBERAN EIR

DIGITAL TECHNOLOGY

The digital technology offers endless possibilities ahead of the conventional technologies. Revolutionary features that enhance the production systems of sectors like furniture & decorative panels, contract, door & windows profiles wrapping, PVC wall & ceiling panels, flooring... even packaging & signage industry.

The digital printing lines are the best solution to make your production capability more flexible being able to attend the needs of any customer in a fast and easy way.

Available models Jetmaster Series:

ROLL TO ROLL

JETMASTER 210, JETMASTER 350, JETMASTER 420

PANELS

JETMASTER 420, JETMASTER 690, JETMASTER 840, JETMASTER 1260, JETMASTER 1750, JETMASTER 1890

WIDER COLOR GAMUT

Jetmaster printers are prepared to work with 4 or 6 colors, CMYK + light cyan and light magenta, which increases color gamut, improves optical resolution and smooths tones and color transitions. We use specific pigment combinations to improve metamerism and optimize ink costs.



FINISHING OPTIONS

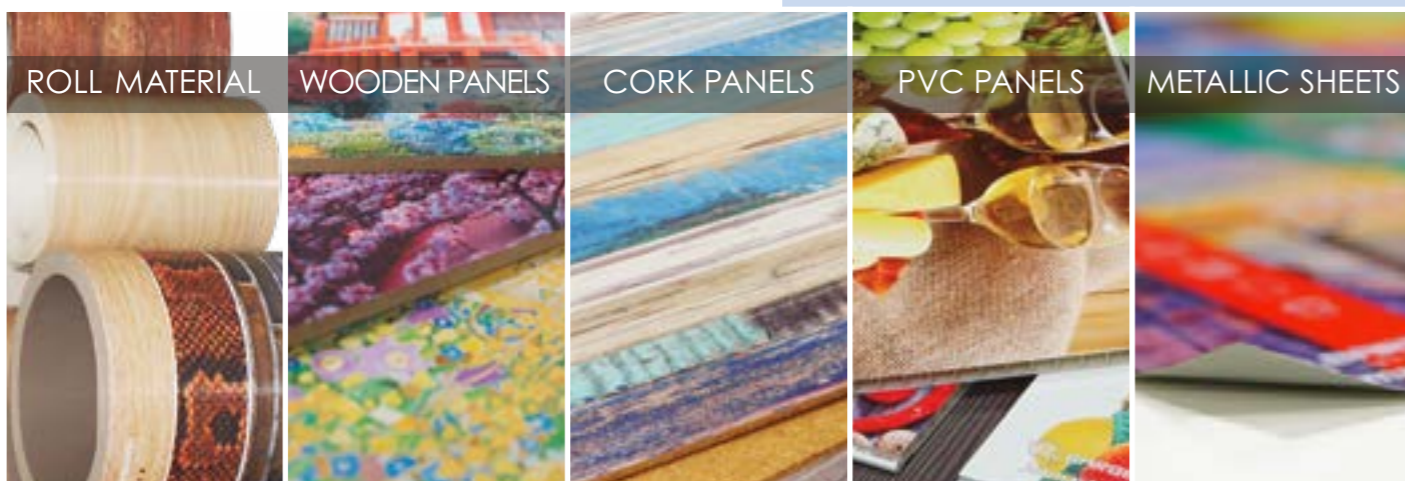
Our printing lines can be equipped with different finishing systems such as:

- Standard UV High Gloss or matte finish for maximum quality,
- Hot Coating lacquering to achieve highest surface hardness and scratch resistance,
- Digital Texture with the Jetmaster TXT and Jetmaster TRT to enhance sensorial perception or

Thanks to our continuous innovation and experience our customers can achieve the desired finish in a simple, safe, environmentally friendly way with high level cost control.



INERT HIGH GLOSS
CALENDER





ROLL TO ROLL DIGITAL PRINTING

PRINTING MODULES

- Flexible to use with all types and weights of paper
- Excellent printing quality with different materials thanks to fast curing UV inks
- Available digital print solutions for rolled materials in various printing widths: 210, 350, 420mm

LACQUERING MODULES

The UV coating module equipped with a synthetic rubber roller, closed chamber and normal & reverse working modes offers a precise and homogeneous application and is an excellent complement to the roll printer.

COMPACT MACHINERY

Finish system equipped with lacquering application group, automatic foil approaching system, automatic lacquer supply, driving roller to ensure the foil traction throughout the whole varnishing zone, constant tension of the foil and UV curing.

EDGE BANDING PRINTING LINES

Complete Single Pass digital printing lines for plastic or paper rolls.



UV VARNISH 210



JETMASTER 350 FC



JETMASTER 210

Creating digital files enables you to join several designs into one to optimize print runs and use the same roll width to print multiple designs of different sizes.

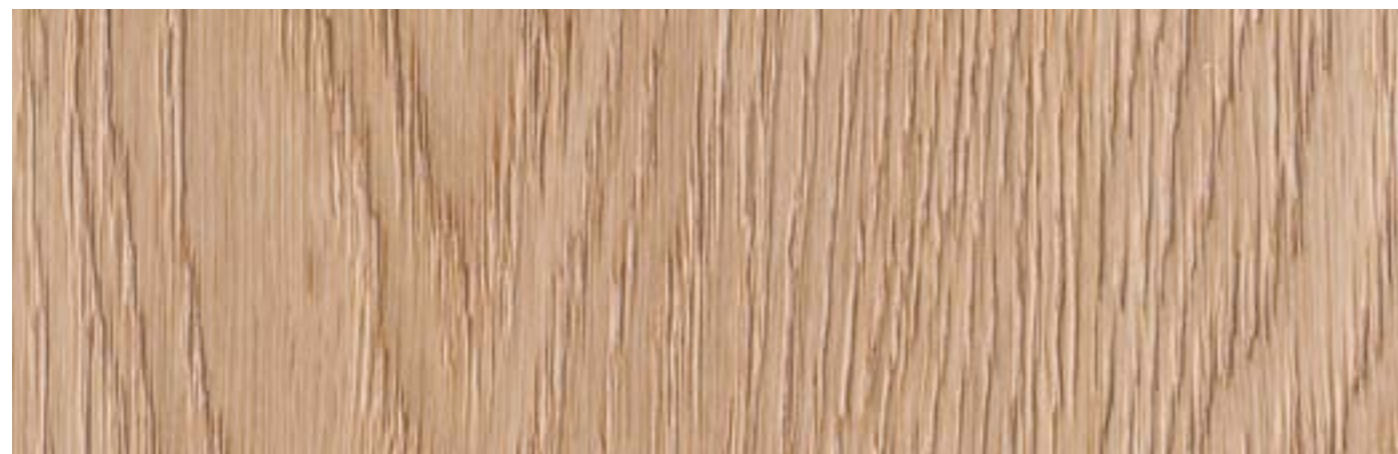
For example, you can print 5x 60mm wide designs onto 350mm wide rolls with a crop mark for subsequent cutting.



DIGITAL PRINTING ON PVC PANELS

Specially designed to print PVC panels for walls and ceilings with any design, pattern, image or texture. The Jetmaster line includes the whole process in a solution with primer application, digital printing and UV finishing.

Printing system	Single Pass
Colours	CMYK standard optional: Light Cyan & Light Magenta or Orange & Violet
Resolution	360 dpi
Drop sizes	3 drop sizes, 4 grey scales
Inks	UV curable inks
Software	Jetmaster G5
Image processing	Supplied by Barberán
Input file formats	TIFF, JPEG, PSD, BMP, EPS, PDF



PANEL DIGITAL PRINTING

We have Single Pass digital printing solution for wooden panels (**MDF, HDF, OSB, plywood**, etc.) **PVC, plastic based** panels such as **SPC or WPC, metal sheets**, and natural materials like **cork**. Printing up to 1890 mm width and 60 m/min.

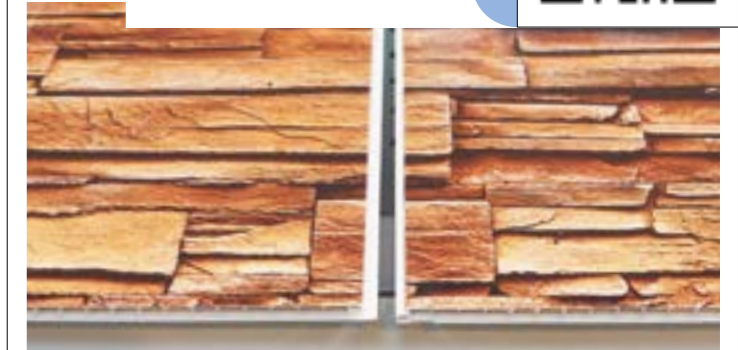


The digital printing lines are the best solution to make your production capability more flexible being able to attend the needs of any customer fast and easy having the costs under control, without long hand-in times nor complex previous work. Some of the Jetmaster applications on deco sector include, among others:

- Furniture & decorative panels
- Door & windows profiles wrapping
- PVC wall & ceiling panels
- Flooring

Suitable for numerous types of substrate: MDF, HDF, PVC panels... There is no direct contact with the pieces. You will be able to print on surfaces that are not completely smooth (the tolerance varies according to the type of application).

JETMASTER 420 PVC



WORKING MODES

Piece: print one image on each piece

Roller: virtual roller of high dimensions (over 20 meters of development)

Random: prints on each piece a different area of an image



BARBERAN EIR JETMASTER TXT

Barberán offers different technologies to generate haptic and texture effects.

Depending on the desired finish it is possible to generate from mechanical embossing patterns, with the highest wear resistance, to full digital realistic textures.

In cooperation with the most advanced polymer formulators we are working on different methods to achieve positive or negative textures adapted to different markets like flooring, decoration or even outdoor applications.



JETMASTER G5

The G5 software platform is an intuitive, flexible tool that eases the integration of Jetmaster digital presses into preexisting production lines and processes.

Among the many functions that it offers you can find improved control of image position, ghost sample printing during production or process automatization.

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