



Single Pass SOLUTION

for the flooring industry

Jetmaster Series 
digital printing machine

TB BARBERÁN
Solutions since 1929



Surfaces finishing specialist since 1929 and with continuous technological innovation, Barberán transformed its floor production lines from the first analogue to digital production more than a decade ago.

Whatever type of floor or finish you want to achieve, Barberán offers you completely customized solutions that make it easy to be at the forefront of the sector.

A production machinery with high profitability and maximum reliability with the guarantee and commitment of the Spanish manufacturer leader in industrial machinery for the treatment of surfaces.

MDF, HDF, OSB
PARTICLE BOARD
CORK

ORGANIC BASED FLOOR

Laminated or sealed and painted, the floor with organic base is composed of several layers of wood or wooden panels, such as MDF, HDF, OSB or particles board, with high insulating properties. In this group of organic-based materials we can also find cork or mineral floors, which also offer excellent thermal and acoustic insulation and are part of the trend of natural products.

Barberán manufactures complete lines that include the specific preparation of this type of materials, as well as its digital printing and the final protection to obtain a certified resistance product.

VYNIL, LVT
WPC
OTHERS

PLASTIC BASED FLOOR

In plastic based floors we find the **LVT** (rigid or flexible), the **WPC** and others. Barberán's development team makes possible the manufacture of perfect machinery for this type of materials, high resolution impression and chromatic fidelity, with very realistic 3D textures and an effective protection process applied with HotCoating technology or other coating technologies



DIGITAL CONTROL

Digital technology offers a world of possibilities ahead of the conventional technologies. Take advantage of the revolutionary features that enhance your production system.

Virtual Roller System

Avoid repetitions of pieces in your flooring production. Guarantee that each one of the pieces that compose an order is unique.

Multiple printing cues

You can use the width of the machine to the maximum printing up to 4 orders simultaneously, even with totally different designs.

MAXIMUM
PERFORMANCE

HOTCOATING TECHNOLOGY

The hot coating technology for flooring application allows to achieve extraordinary performance in very compact lines. The MENH is capable to apply from 30 to 150 microns of material fulfilling the most demanding performance requirements. This technology is also ideal for mechanical embossing, due to the properties of the hotcoating it can be easily moulded leading to outstanding surface textures.

CUSTOMIZED
SOLUTIONS

COATING TECHNOLOGIES

With the UV technology it is possible to produce flooring adapted to almost any requirement. The combination of different machines and products allows to produce specially designed surfaces for all kinds of different substrates and applications you can think of. In combination with digital printing it gives extraordinary transparency and colour enhancement and is possible to combine with the last surface technologies like super matt and soft touch finish.



ADHESION PRIMER + CURING

The adhesion primer allows to achieve perfect bonding on wide range of different materials as plastics, wood or composites.



JETMASTER PRINTER

Digital printing technology designed for industrial applications. Highest quality, high resolution and high speed. The Jetmaster Series is prepared for printing with 4 or 6 colours (CMYK + Light Cyan + Light Magenta). The Jetmaster printing systems use UV inks for their excellent printing quality and performance.

TOPCOAT APPLICATION + CURING

Final protective layer and gloss level adjustment.

HOTCOATING LINE



PRINTING PRIMER + CURING

The printing primer prepares the surface for the digital UV ink. This type of treatment is necessary to ensure the right adhesion of the ink and the proper dot gain which leads to an outstanding optical resolution and colour performance.

HOTCOATING APPLICATION

HotCoating technology means highest performance with minimum machinery investment. With a single MENH machine and the Kleiberit Hot Coating we can obtain coating thickness from 30 to 150 microns, which cover all different flooring specifications.

The HotCoating is also fully compatible with the digital UV curable inks which are a perfect complement for this kind of installations.

CALENDERING

The exceptional properties of the HotCoating allow to achieve a very precise mechanical embossing with a single roller calender. This technology is suitable for non synchronized patterns with maximal mechanical performance and the best cost efficiency.

JETMASTER CONTROL POINT

The machine control software, developed by Barberán, has been designed to intuitively administrate the totality of the printing operations, converting a highly complex machine into a system that is simple to handle.



HOTCOATING
FLOORING LINE
VIDEO



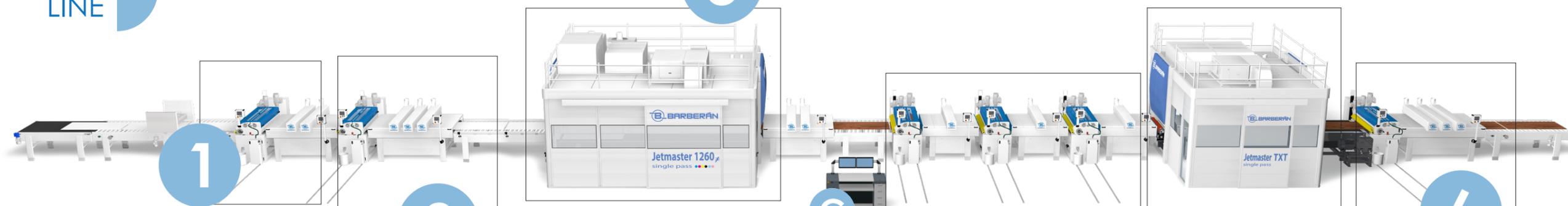
BARBERÁN MACHINERY
IS DESIGNED TO ACHIEVE PRODUCTS WITH
THE HIGHEST RESISTANCE CERTIFICATIONS



COATING
LINE

JETMASTER PRINTER

3



1

ADHESION PRIMER
+ CURING

2

PRINTING PRIMER
+ CURING

C

4

UV PROTECTION
COATING
+ CURING

5

JETMASTER
TXT

The Jetmaster TXT, by the use of transparent inks, enables you to add a 3D effect to the materials, being able to generate a multitude of embossing effects.

Since it is a digital process, you may create surfaces with a realistic finish, or apply protective varnishes selectively and precisely.

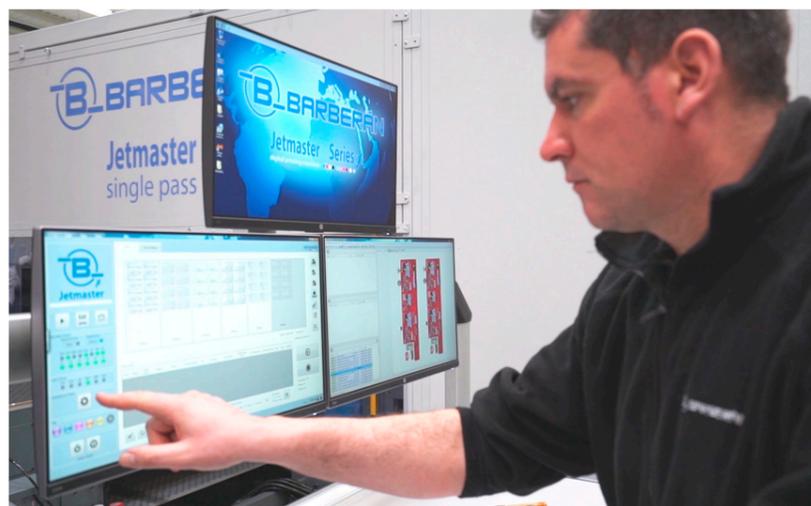
6

TOPCOAT
APPLICATION
+ CURING

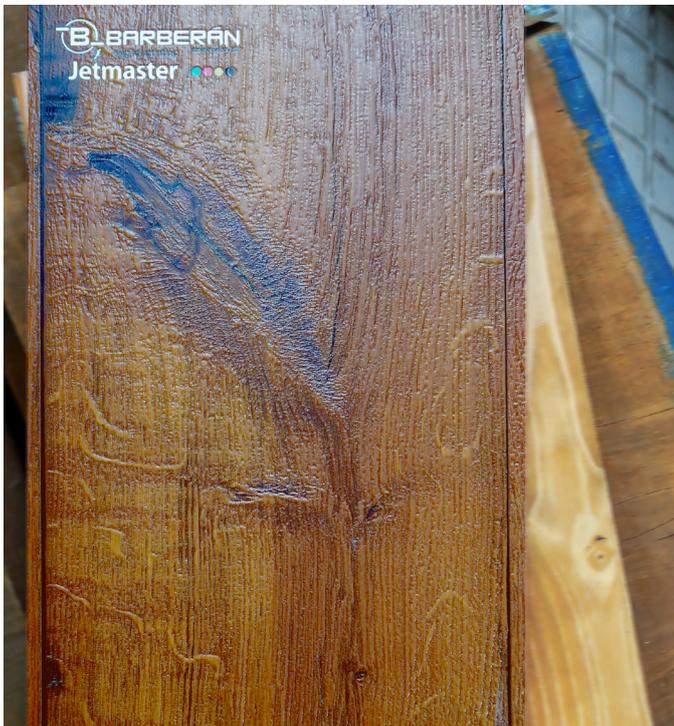
JETMASTER CONTROL POINT

From the same screen the users send the orders to the machinery, as well as manage large digital images, create the work queues and perform both printing and maintenance processes. However, the most beneficial feature for your production system is the diversity of printing modes this software offers. The multitude of modes and their combinations mean the machine can adapt to your production needs and integrate into previously existing lines.

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SINGLE PASS DIGITAL PRINTING
FOR FLOORING VIDEO



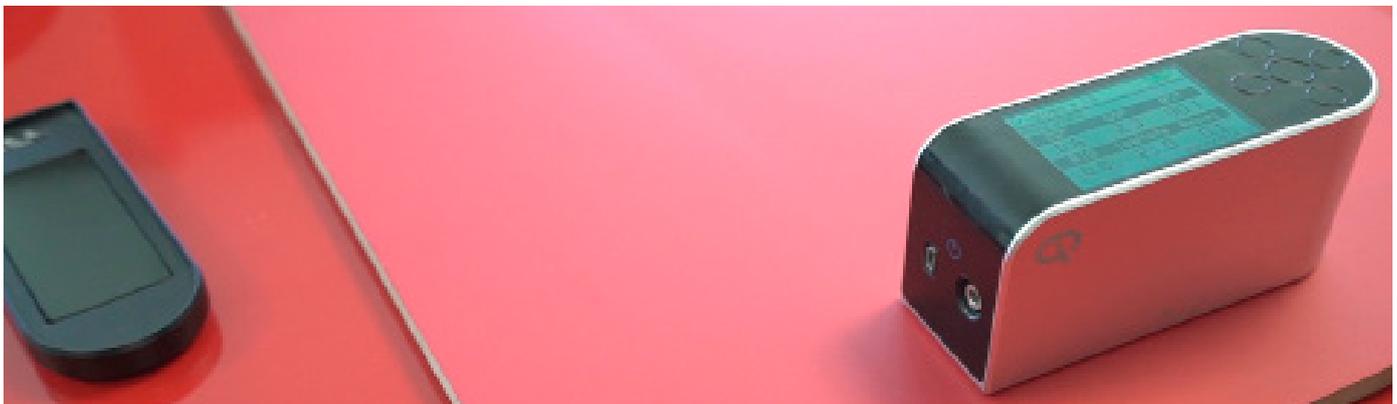
LAST TRENDS

HAPTIC IMPRESSION JETMASTER TXT & TRT

Barberan offers different technologies to generate haptic and texture effects.

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



SUPER MATTE & SOFT TOUCH FINISH

The combination of the latest developments in curing by UV radiation and the experience of Barberan with all kinds of different materials and applications, have made possible a system to achieve matte and ultra matte surfaces with "soft touch" effect.

These finishes confer to the boards a gummy and velvety touch, enhancing the perception of quality and substantially expanding the possibilities of high quality finishing.

www.barberan.com • www.jetmasterseries.com

Jetmaster Series 
digital printing machine 

BARBERÁN



First Place
LIGNA
SYMPOSIUM
2007



BEST INDUSTRIAL
PRINTING
SOLUTION
2011



BEST
INNOVATION
2013



INNOVATOR
THE YEAR
2016



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