



**Jetmaster Series**   
digital printing machine 

# Digital Printing Single Pass

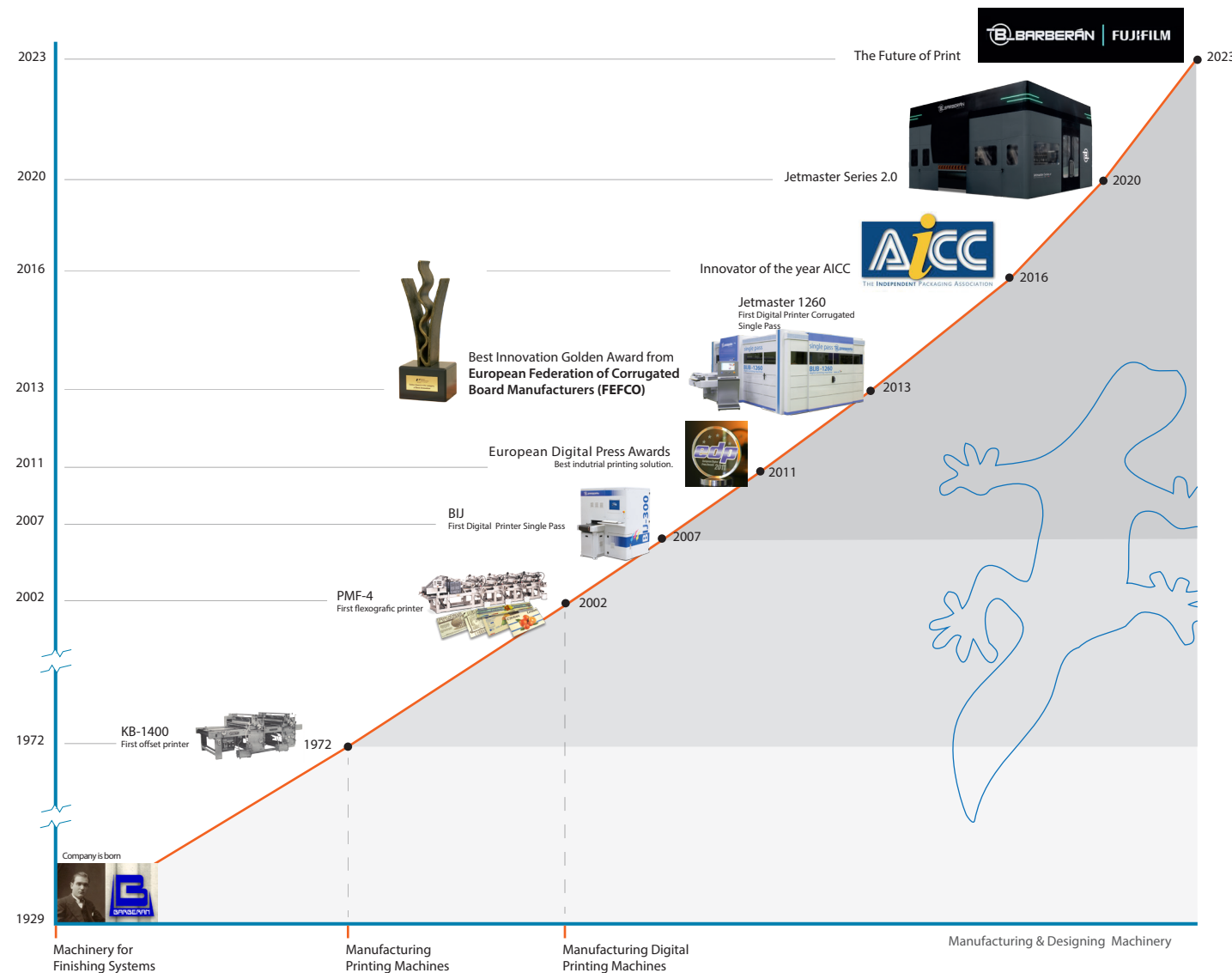
for metal applications



# Welcome to Barberan´s

## 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.



## 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 from 20 up to 120 m/min, 4 or 6 colors, single or double print row.

### Approved product suppliers:

**SAKATA INX**  
Visual Communication Technology

**TIGER**

**Kao Chimigraf**

**TEKNOS**

**TOYO INK**

**KLUMPP**  
COATINGS



# Digital Printing Division



Corrugate



Deco



Displays & Signage



Flooring

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.)

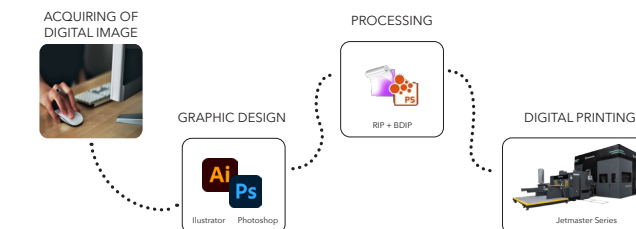
## Our Team

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



## Printing Processes

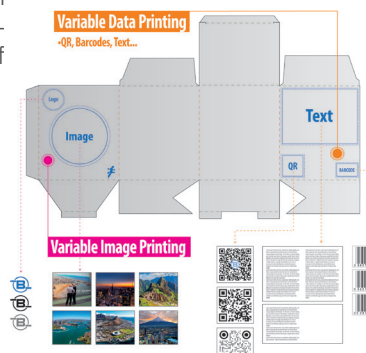
Forget about rollers and stencils used in the conventional printing technologies. A digital print file is uploaded to the machine's platform, passing through the RIP which converts it into a print file and we're ready to go.



## 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



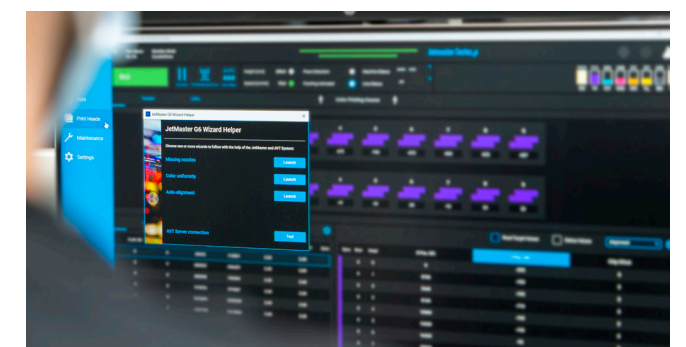
Jetmaster printers are ready to achieve the strict G7 requirements in order to assure complete control of the entire graphic production process, from proof to print, guaranteeing maximum accuracy and consistency of color matching and quality.

## 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.



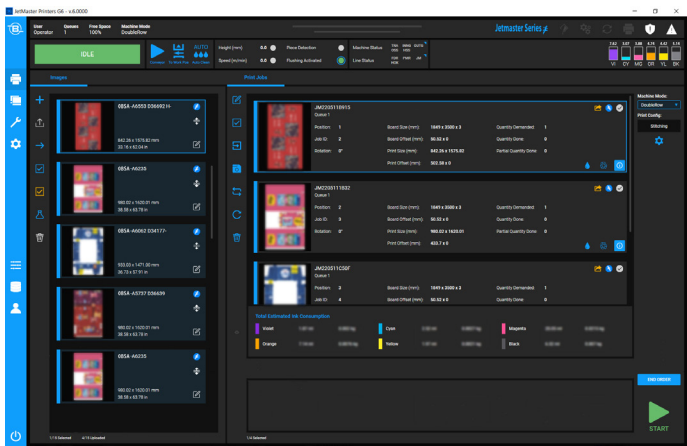


Color Management

The color management systems used in the digital printing are able to create a fully controlled “design & print” environment.

The design you see and approve on the monitor will have also the maximum similarity on substrate's surface.

The data base library will contain all your designs which allows you to print any of the available designs in different working modes and quantities.



Jetmaster Series 2.0

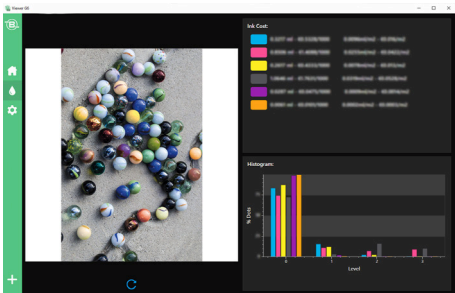


Less is more

Machine display shows immediately the cost of the designs to print, which will help you to control the production cost.

All this at a lower cost per sqm. thanks to the elimination of the printing plates, heavy reduction in waste costs and downtime of the machine.

- Absolute control of production costs broken down by ink and square meter.



DISPLAY PRINTING COMPARISON CHART

	Litho labeler	Pre-print	Direct to print	Jetmaster Series
Needs litho labels	yes	no	no	<b>no labels</b>
Needs print plates	no	yes	yes	<b>no plates</b>
Changeover with creative change	yes	yes	yes	<b>no changeovers</b>
Proof variance risk	yes	yes	yes	<b>no variance</b>
Final art to press	7-10 days	3-4 weeks	7-10 days	<b>hours to press</b>

JETMASTER SERIES MODELS

Max. Printing Width (W)	1380 mm	1610 mm	1840 mm
Machine's width	7100 mm	7600 mm	7600 mm
Substrate length	min 600 mm - max 3000 mm		
Printhead	600 dpi, 4 grey levels, DoD		
Single feed	600mm		
Double feed (min plate/sheet width)	300mm		

*\*Shown figures are for orientation purposes only.  
\*Other dimensions under demand.*





## Jetmaster Lines Sold Globally

More than 100 lines installed



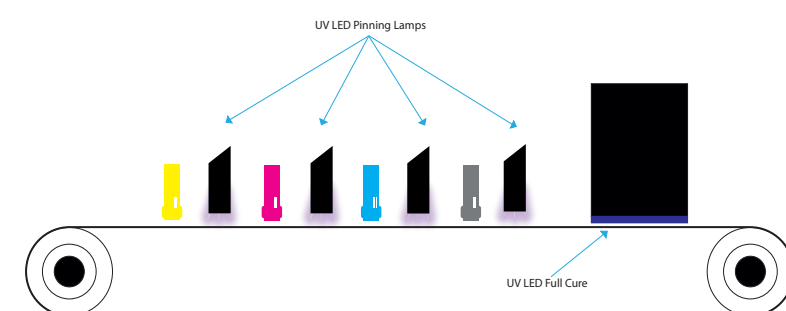
## Curable Curing Led Pinning

Pinning is the freezing process of ink droplets between printheads. This is possible with inkjet processes because inkjet printing requires no physical contact with the cured surface. The extent of dot or dot gain depends on properties of the ink, substrate, and the process environment. The advantages of pinning with UV LEDs include: While pinning stops the drop from spreading, it leaves the ink flexible and soft enough for proper inter-coat adhesion to other ink droplets and for further handling.

- Control of Dot Gain.
- Improved image quality & line resolution.
- Reduce Banding.
- Improved ink flexibility.
- Better Adhesion of additional colors - for both absorbent and non-absorbent substrates.
- Stable & predictable output.

## UV-LED Advantages

- Low heat impact.
- Instant On/Off.
- Intensity (pinning) control.
- Low voltage.
- Long UV LED lamp life (+20K hours of On-time <10% degradation)



## Uv Inks Benefits

- UV inks are 100% solid.
- Fast drying through a photochemical process.
- Low migration inks for indirect food packaging.
- Humidity rate has no influence on drying.
- Less waste generated, no water needed for cleaning.
- Brighter colors, exceptional color fastness & consistency and superior gloss grade.

## G6 Software

New tool in the world of digital printing that represents a turning point towards a new era, where printers are controlled more easily and intuitively, simplifying all the processes involved in daily production.

With this platform, barberan is once again at the forefront of single-pass printing technology, aiming to meet and exceed your expectations, offering solutions that have been developed and tested with your business model in mind.

The new G6 software suite includes extended features to enhance productivity, print quality improvements and inspection system integration, as well as great versatility to adapt to the technological needs of your industrial process.

## OPEN & HOMOLOGATED INK MARKET

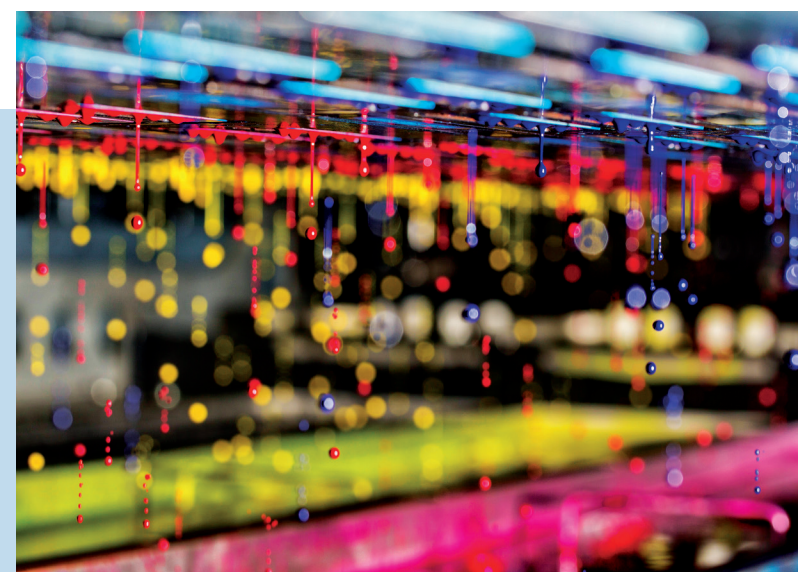
FOUR APPROVED INKS SUPPLIERS

**FUJIFILM**

**TOYO INK**

**SAKATA INX**  
Visual Communication Technology

**Kao Chimigraf**





## 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.

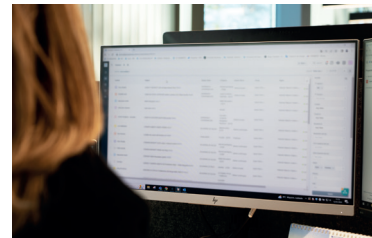


## Service Desk



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.



## Pomelo Hub

Pomelo is a community of professionals in the industrial sector that through collaborative interactions in the network can share experiences and acquire knowledge by asking other professionals and technicians such as engineers, suppliers, machine owners, colorimetry gurus, experts etc. Share and acquire new knowledge!



Location:  
Castelldefels  
Barcelona



More than  
27.000 m2



Over 190  
professionals



Certified  
quality system  
by TUV



Export quote > 90%

[www.barberan.com](http://www.barberan.com) • [www.jetmasterseries.com](http://www.jetmasterseries.com)



© Copyright - Barberan 2023. Registered in Safecreative. (<https://www.safecreative.org>)  
Register title: Metal Digital Printing.  
Register Date: 27/04/23. Author Barberan S.A.

We reserve us the right to introduce modifications according to the new technical developments. The details, colours and equipments of the illustrations are only for information purposes. As the technical details or equipments can vary, please consult.



**Jetmaster Series**  
digital printing machine



Pol.Ind. "CAMÍ RAL" C/.Galileo 3-9  
08860 Castelldefels - BARCELONA - SPAIN  
Phone: (34) 93 635 08 10