



Solutions since 1929



COATING LINES



Varnishing Processes

Barberan offers the most appropriate varnishing method for each type of surface. The machines are designed and adapted to different varnishing requirements (curing, sanding, gloss, adhesion, hardness...) to offer you the best choice of process and application, reliability and the highest quality finish.

Roller Coating

The notable result with optimized coating use. Our roller coaters are the best option for flat surfaces.

BR Series

Machines designed for the uniform application of transparent or pigmented base and top coat lacquers, primers, oils and stains on flat surfaces with a rubber application roller.

- Accurate grammage setting capabilities.

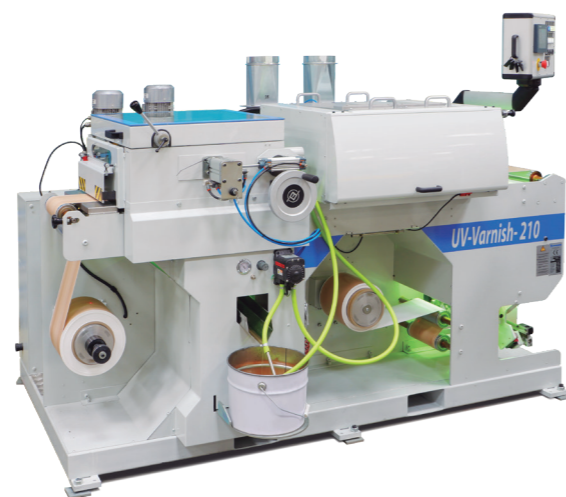
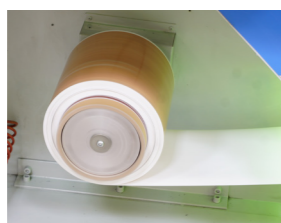
MER Series

Filler application with smoothing roller to achieve a remarkable smooth surface on porous irregular boards or wooden surfaces.

UV Varnish

UV finish roller application for printed rolls of different grammages. This system is specially suitable to improve the finish of printed rolls, like the ones printed using our Jetmaster series printers.

- UV curing tunnel integrated.
- Precise and homogeneous application with a rubber roller.
- Closed chamber system with normal sense and reverse application modes.



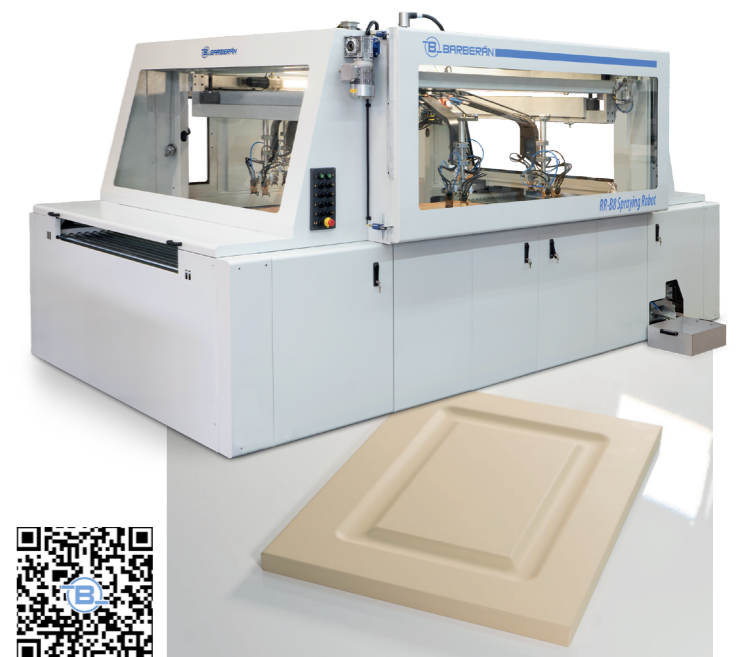
Spraying Robot

RR Series

Achieving fast, reliable and high-quality production is easy using Barberan's spraying robots, the best solution for lacquer spraying without dead zones on difficult access areas, profiled or shaped surfaces.

Our rotary spraying system achieves a better spray pattern and a higher lacquer transfer rate. All this and our exclusive steel belt conveyor cleaning system converts our spraying machine in a high-performance solution to achieve operation savings.

- RR-B4: 1-2 Circuits, 4 spraying guns each.
- RR-B8: 1-2 Circuits, 8 spraying guns each.



RR - B8

Cleaning Systems

LP Series

Machines to clean the board surfaces with brushes before lacquer application.



Drying Systems

We offer a wide range of drying systems. Those available systems are the following:

- HOK series for UV curing technology.
- Different IR (Infrared) wavelength dryers including NIR (Near Infrared).
- TSP series with high speed hot air knives for water based lacquers.
- TEV series with laminar air flow for solvent evaporation.



Special Coating Lines

Machinery to apply the latest developments in coating technology for finishing solutions:

- High Gloss - A mirror look high gloss surface with smoothness and depth effect for outstanding industrial board up to 2,4m wide. There are two available technologies: Free Flow & Inert Coat.
- Super Matte - Soft touch ultra matte finishes with very high scratch resistance and anti fingerprint.

Hot melt coatings are used for a high quality standards in melamine, HPL boards and more. This coating technology guarantees the correct bonding on the most difficult substrates and its wide application range can be combined with many different finishing options.

Substrates

- HPL (sheets from 0,8mm thick onwards)
- Melamine faced chipboard or mdf.
- Printed boards
- Wood veneers
- And more!

Key Features

- Correct adhesion with most materials.
- Eco-friendly process.
- Excellent surface quality.
- Flexibility.
- High resistance surface to impacts, abrasion and chemical substances.
- Compatible with outdoor applications.
- Low odor.

Applications

- Flooring
- Furniture
- Decoration
- Panel manufacturing
- Outdoor

High Gloss Finishes:

Our high gloss lacquered boards, crafted with Barberan's innovative roller technology, offer a range of exceptional features:

- Mirror Finish: Achieve a mirror-like appearance with high gloss finish, delivering unparalleled transparency and depth.
- Superb Adhesion: Ensure a robust bond between the coating and the boards surface, enhancing durability and longevity.
- Excellent Cut and Mechanical Properties: Maintain board quality during cutting, meeting rigorous standards for bathroom and kitchen cabinets.
- Versatile Coatings: Choose from clear and pigmented coatings to suit your needs.
- Two Technologies: Opt for Free Flow ① or Inert Coating ② to strike the perfect balance between quality and cost efficiency.
- Cost-Effective: Barberan's roller technology offers an economical alternative to traditional methods like spraying guns or curtain coaters, making high gloss finishes on boards more affordable.

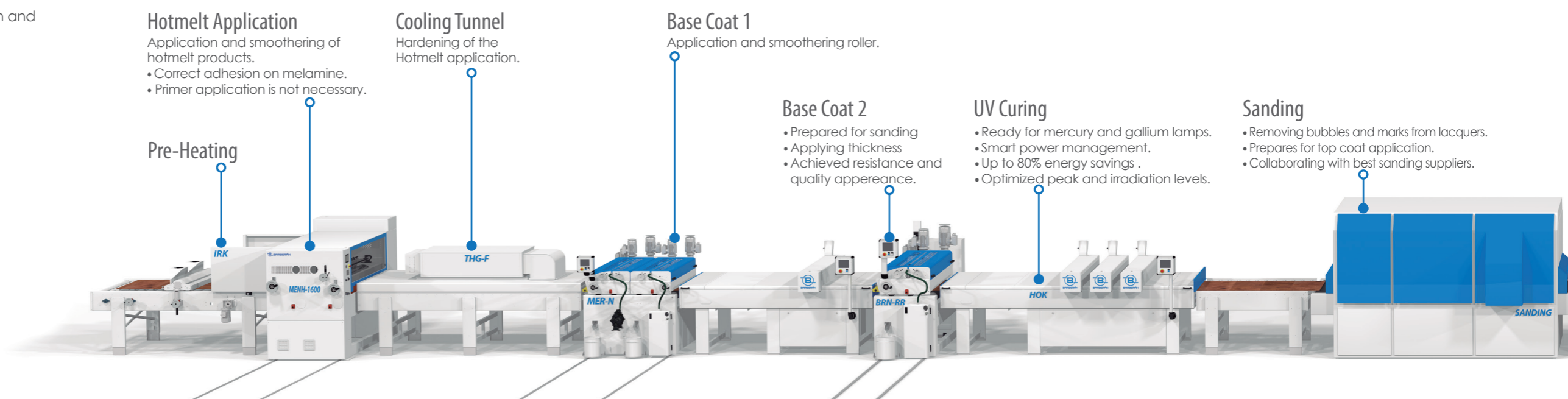
Super Matte Finishes:

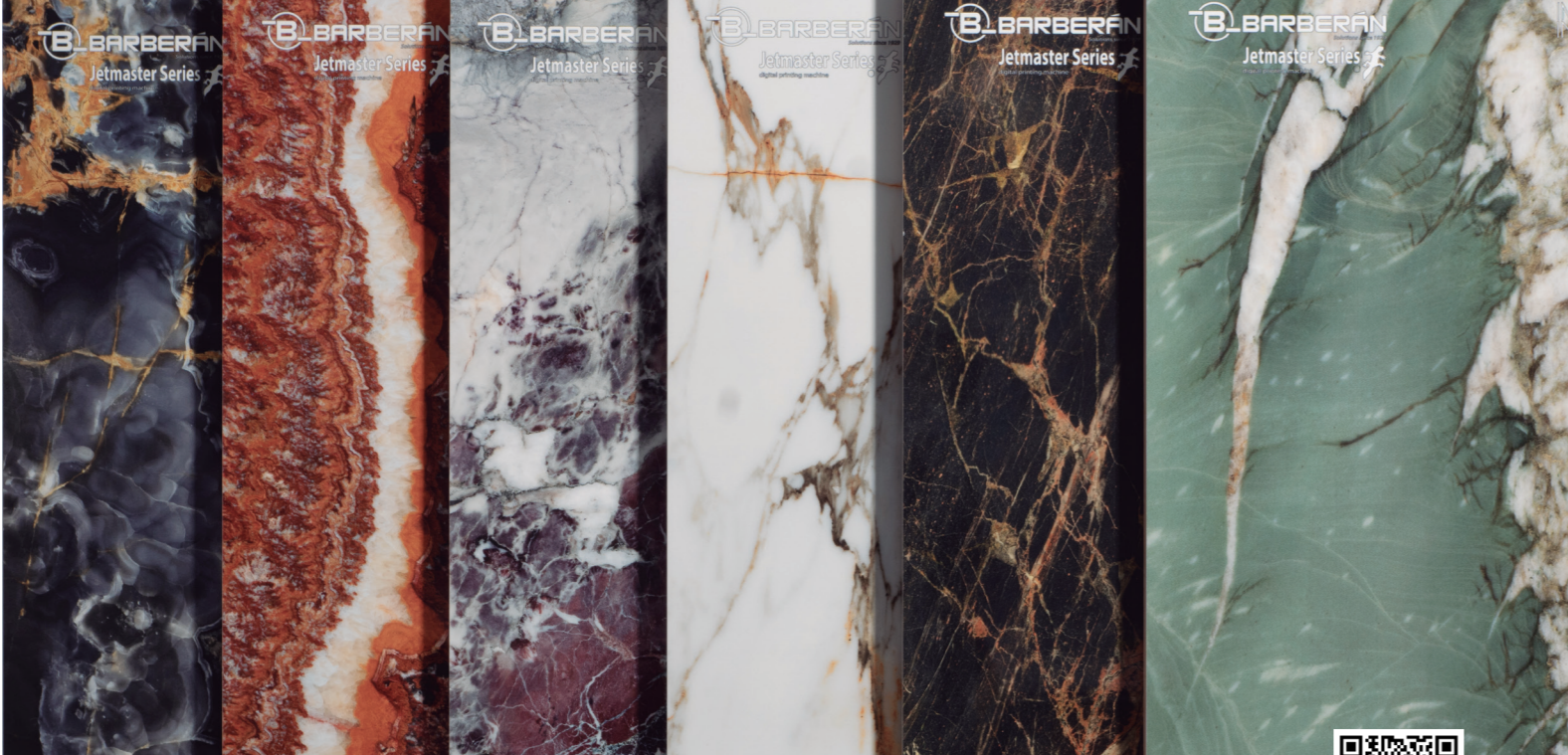
Our super matte lacquered boards, based on Excimer technology offers exceptional resistance against scratches and fingerprints but also delivers a velvety and smooth texture that is sure to captivate your senses.

Line overview: The excimer UV technology creates a strong monochromatic UV wavelength that allows to obtain high performance surfaces. In combination with a special pre-gel lamp enables you to have a wide range of different finishes that enhances the look and touch of the panels.

Characteristics:

- Available board widths up to 2300mm.
- Instant on/off function.
- Nitrogen consumption average 80m³/h (depending on panel size and line speed).
- Pregel unit to easily modulate the gloss level. (optional LED pregel unit).





1 Free Flow

Tunnel designed for the levelling of high gloss lacquers applied with a specially designed roller lacquering system. The tunnel consists of a closed room, pressurised with ambient air heated by electric heaters and hyper filtered to prevent the entry of any dust particles.

We achieve a high quality "High Gloss" thanks to the length of the tunnel, due to the distance between the application of the varnish and the first drying lamp. (We have 60 seconds to obtain the optimal leveling of the varnish).

	Free Flow	Inert Coat
Panel Width (mm)	up to 2100	up to 2100
Length (m)	L (eg.15)	L/2 (eg.7)
Cost per m ²	lower cost	higher cost
Coating Quality	good quality	maximum quality

2 Inert Coat

Inert system applies a lacquer coat applying smoothness and preventing particles from penetrating the surface. The extremely high optical and mechanical quality of the panel opens a new horizon in high gloss application lines. This system uses a UV transparent foil to press the lacquer and achieve a smooth surface.

The lacquer underneath the transparent foil is cured with UV radiation. The polymerization is produced in inert conditions without oxygen and therefore the mechanical and optical properties of the finish are significantly better.



————— Inert Coat —————

LP & Sword Brush

- LP high load cleaner for bigger parts (sanding dust & contamination).
- Sword micro cleaning for single dust particles.

High Gloss Application

- Two levels of micro filtering.
- Dust control.
- Air temperature control.
- Lacquer temperature control.
- Special design per high thickness coating layers.



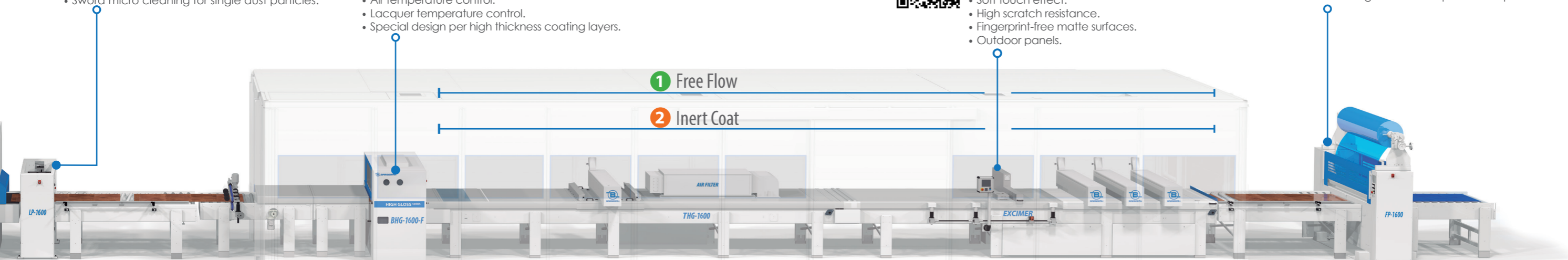
Excimer System

As an optional to obtain super matte finishes.

- Deep matte.
- Soft touch effect.
- High scratch resistance.
- Fingerprint-free matte surfaces.
- Outdoor panels.

Protective Film Application

Last essential station (after option 1 or 2) of the coating line for finished panels including a foil cutting device to separate the panels.



*Shown figure is for orientation purposes only.



Digital Texturing - DeepBlue EIR

DeepBlue is Barberan's Embossing In Register digital technology process.

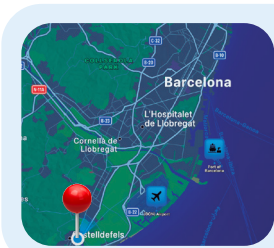
DeepBlue game-changing technology is the first of its kind, capable of imitating to perfection any type of natural wood or stone design.

Thanks to the versatile and precise reproduction of both the optics and haptics, DeepBlue printed products are one step ahead of any other printed texture.

DeepBlue provides the best performances required by different applications and markets:

Decoration, Flooring, Furniture.

DeepBlue Brochure:



Location:
Castelldefels - Barcelona



More than 35.000 m²



Over 190 professionals



Certified quality system
by TÜV



Export quote > 95%

www.barberan.com



Jetmaster Series
digital printing machine



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