

COATING LINES



Varnishing Processes

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

Roller Coating

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

LP Series

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

BR Series

Machines designed for the uniform application of transparent or pigmented base and top coat lacquers, primers, oils and stains on flat surfaces by means of a head with a rubber application roller. The metallic dosing roller has a switch for reverse turning to increase the grammage setting capabilities with extreme accuracy.



MER Series

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

UV Varnish

UV finish roller application for printed paper rolls of different grammages. This system is specially suitable to improve the finish of printed rolls, like the ones printed using our Jetmaster 210-C printer. UV curing tunnel integrated. Precise and homogeneous application through synthetic rubber roller. Closed chamber system with normal sense and reverse application modes.



Drying Systems

We offer a wide range of drying systems. Those available systems are the following:
HOK series for UV curing technology, different IR wavelengths dryers including NIR. TSP series with pressurized hot air knives for waterbased lacquers. TEV series with laminar air flow for solvent evaporation.

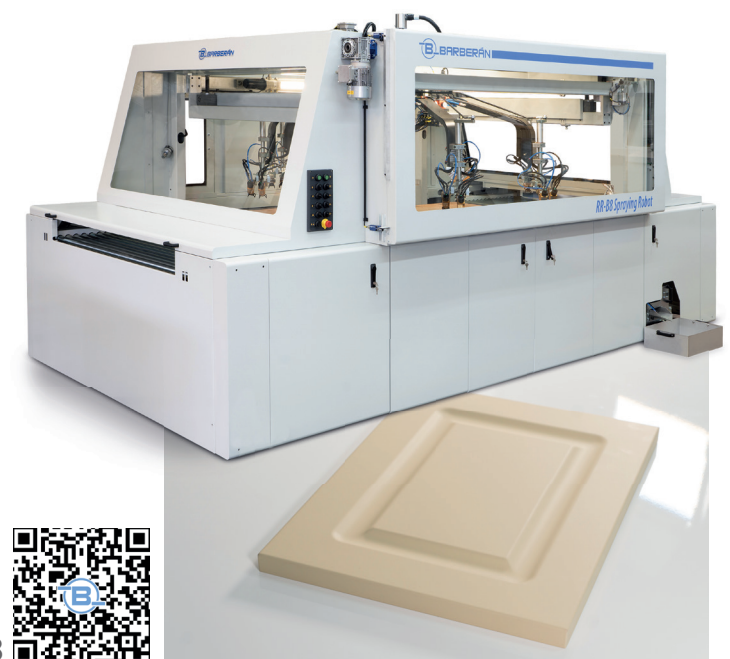
Spraying Robot

RR Series

Achieving fast, reliable and high-quality production is easy using Barberán's spraying robots, the best solution for lacquer spraying without dead zones on difficult, 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

Curtain Coater

BL Series

A classic coating system that consists in applying high quantities of lacquer or paint onto flat surfaces in just one pass. Ideal for high grammage applications.

Curtain coaters with one or two curtain heads type high viscosity, overflow or slot nozzle system.



BL-1



Special Coating Lines

Machinery to apply the latest developments in coating technology.

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

Finishing Solutions

- High Gloss - A mirror look high gloss surface with smoothness and depth effect.
- Super Matte - Soft touch ultra matte finishes with very high scratch resistance and anti fingerprint.

Substrates

- HPL (sheets from 0,8mm thick onwards)
- Melamine faced chipboard or mdf.
- Digital print and more!

Key Features

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

Applications

- Flooring
- Furniture
- Decoration
- Panel manufacturing
- Outdoor

High gloss lines for outstanding industrial board up to 2,4m wide.

Super matte excimer technologies meant to be the perfect combination in order to obtain not only the mirror look but a great super matte with "soft touch" finish and anti-fingerprint surface.

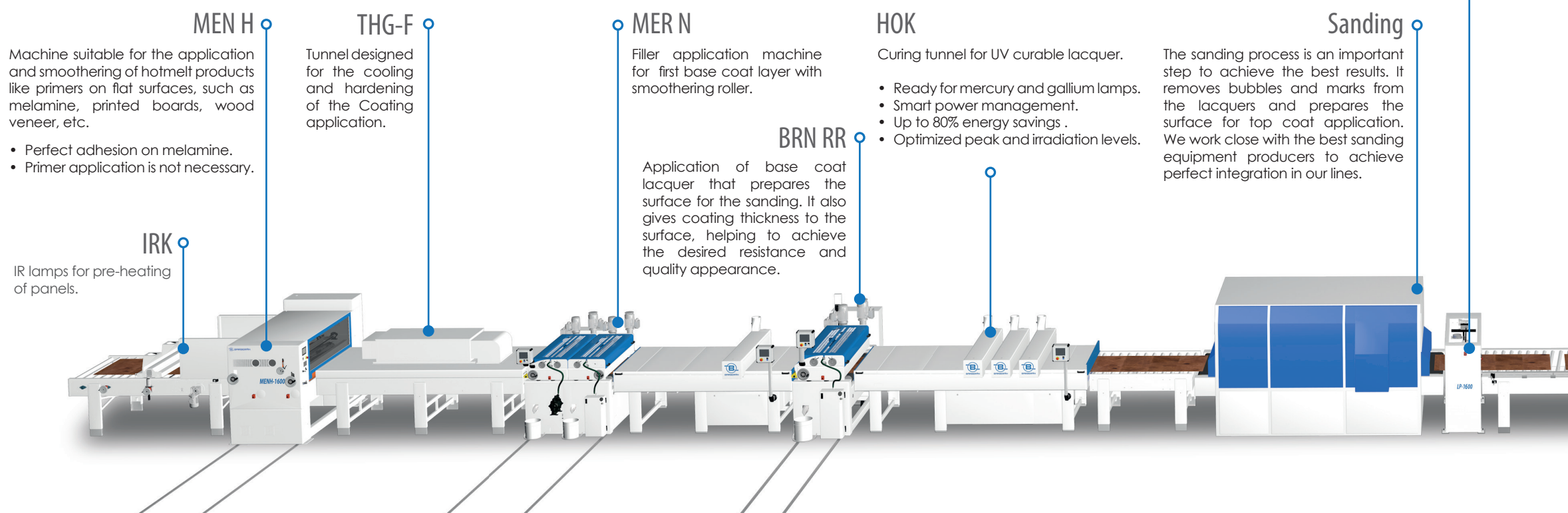


High Gloss Finish

LP & Sword Brush

Machine equipped with top and bottom brush turning against feeding sense to clean the panel surfaces before they are coated.

The line is equipped with several cleaning brushes. The first LP unit is a high load cleaner for removing the bigger part of the sanding dust and contamination. After that the sword micro cleaner removes every single dust particle to guarantee a perfect high gloss finish.





Free Flow (THG + HOK) - Option 1

Tunnel designed for the levelling of high gloss lacquers applied with the BHG 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, because from the application of the varnish to the first drying lamp we have 60 seconds for the varnish to have an optimal leveling. An excimer lamp can also be added to this tunnel, with lips to inertise the tunnel with nitrogen to achieve a super matt application with a gloss below 5 degrees.

Inert Coat - Option 2

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 perfectly 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.

	Free Flow	Inert Coat
Panel Size (mm)	up to 2100	up to 2100
Length (m)	~15	~7
Cost per m2	lower cost	higher cost
Coating Quality	good quality	maximum quality

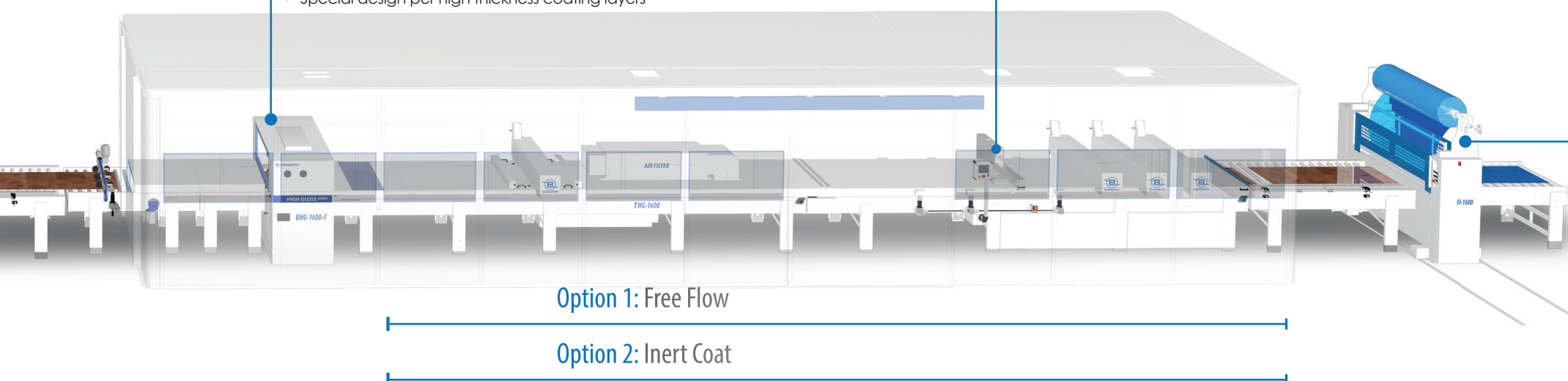
BHG

These special roller coaters make the difference in terms of top coat application. Extremely accurate and consistent, it's equipped with all required systems to keep the lacquers at its ideal conditions.

- two levels of micro filtering
- dust control
- air temperature control
- lacquer temperature control
- Special design per high thickness coating layers

Excimer System

The exclusive THG tunnels have been optimized to work with the latest excimer technology. The excimer allows to achieve very deep matt surfaces, with outstanding scratch resistance, anti fingerprint and velvet or soft touch finishes.



FP

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



Digital Texturing - DeepBlue

The 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 realistic reproduction of both the optics and haptic DeepBlue printed products are hard to distinguish from real wood or stone.

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

Decoration, Flooring, Furniture.



Location:
Castelldefels
Barcelona



More than
27.000 m2



Over 190
professionals



Certified
quality system
by TÜV



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Jetmaster Series
digital printing machine



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