



COATING

NEW COMPLETE PROCESS FOR  
**HIGH GLOSS** OR **MATT** ROLLER  
FINISHING OF MELAMINE

# High Gloss



## **HIGH GLOSS ROLLER LACQUERING SYSTEM FOR FINISHING MELAMINE SURFACES.**

This completely new process, patent pending by Barberan, uses the product HotCoating® from the german adhesive manufacturer Kleiberit, which allows to apply this product directly on the melamine surface without the need to apply primer first. The HotCoating® presents exceptional adhesion properties, providing an excellent strength at the same time. The process is interesting, not only for melamine surfaces on MDF boards, but also melamine laminated particleboard panels. For this kind of finishing, Barberan has developed a specific roller coater that achieves, with a single application, the finish quality that is so far only possible when spraying guns or lacquer curtains are used. The roller application system is smaller, saves more than 50% coating product, as far 100% solid content lacquers are used, and involves a much more efficient and solvent-free application. Different line configurations are possible but always depending on production requirements. Starting from the application of UV top coat directly on the HotCoating® up to the combination of HotCoating®, UV base and top coat and sanding for a spectacular finish quality.



The effectiveness of this process was duly tested on different application fields of the furniture and decoration industries where a melamine coated particleboard or MDF board was involved. This process solves the typical difficulties of this type of treatment, with a simple and compact line that improves the product properties, resistance and durability, above those results obtained with conventional UV systems.

Combined with the BIJ digital printing technology, this system allows to create totally customized boards eliminating the stocks with a high versatility when it comes to deliver different designs or small quantities without increasing costs.

### Example of application

**High gloss:** HotCoating 20 gr/m<sup>2</sup>, UV base coat 40 gr/m<sup>2</sup>, UV top coat 60 gr/m<sup>2</sup>.

**Matt – semi-glossy:** HotCoating 30 gr/m<sup>2</sup>, UV base coat 40 gr/m<sup>2</sup>, UV top coat 20 gr/m<sup>2</sup>.

# High Gloss

**BHG** widths 600 up to 2400 mm  
The most complete range of HIGH GLOSS finishing roller coaters.

## ROLLER COATER FOR THICK HIGH GLOSS UV APPLICATION

Unique machine designed for the application of a thick HIGH GLOSS UV lacquer coat on flat surfaces in a Barberán finishing line.



**BHG-1400-F**



**widths 600 up to 2400 mm**

**BHG-F o FM**

Roller coater for high gloss top coat application (L version) or matt top coat (FM version).



**BHG-L o R**

Roller coater for high gloss base coat application (L version) or matt base coat (R version).



**BHGP-F o FM**

Roller coater for high gloss top coat application (L version) or matt top coat (FM version).

**BHGP-L o R**

Roller coater for high gloss base coat application (L version) or matt base coat (R version).

# High Gloss

## **MHG** widths 600 up to 2400 mm

### **HIGH GLOSS UV PUTTY APPLICATION MACHINE**

Unique machine designed for the application of HIGH GLOSS UV putty coats on flat surfaces in a Barberán S.A. production finishing line.



**MHG-1400**

# MENH

widths 600 up to 2400 mm

## HOTMELT POLYURETHANE SPREADING-SMOOTHING MACHINE

This machine is specially designed for the application of hot melt Polyurethane (PU) on flat surfaces.



COATING

**MENH-1400**

# High Gloss

## HIGH GLOSS ON MELAMINE BOARD APPLIED BY ROLLER.

High Gloss finished melamine boards with HotCoating®. In this new developed technology, products from the company KLEBCHEMIE M.G.Becker GmbH "KLEIBERIT" are used in order to achieve a perfect adhesion on melamine, avoiding the usual problems that often appear in conventional processes, like bad adhesion or other problems during cutting and drilling, etc.

The special designed roller technology from BARBERAN is capable of applying a High Gloss UV finish, which was, up to now, only possible by the use of spraying guns or curtain coaters.

## FINISHED ON MELAMINE BOARD, BOARD ON ROLLER PRINTING, BOARD ON DIGITAL PRINTING, ETC.

### Characteristics

- "Mirror Finish" quality with best values in transparency and depth.
- Perfect adhesion of the UV High Gloss products on melamine.
- Extremely economic system with an overall cost lower than using traditional systems.
- Excellent properties to be cut.
- Immediate manipulation of finished boards.
- Flexibility; allows to be postformed.







# High Gloss

## COMPLETE PROCESS FOR HIGH GLOSS OR MATT ROLLER FINISHING OF MELAMINE:

- Cleaning
- HotCoating® application
- Cooling
- Application of UV base coat 1
- UV Curing
- Application of UV base coat 2
- Conditioning in controlled environment
- UV Curing
- Sanding and cleaning
- UV High Gloss top coat application
- Conditioning in controlled environment
- UV High Gloss top coat curing

## THIS PROCESS IS ALSO SUITABLE FOR DIFFERENT TYPES OF SUBSTRATES AS:

- Printed boards
- BIJ INKJET Digital printed boards
- Cork
- Wood veneer
- Decorative paper
- HPL/CPL



melamine



COATING







mirror finish



matt finish



COATING



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**BARBERÁN**  
 MAQUINARIA PARA EL ACABADO DE SUPERFICIES  
 MACHINERY FOR FINISHING SYSTEMS

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