

Application: Digital Printing of Boards

Barberán utilizes UV LED curing for single pass digital printing



Barberán digital printing machine JetMaster 1260

The Barberán digital printing machine JetMaster 1260 offers the ability to create a wood-grain look on diverse materials with UV LED and inkjet printing. Digital images can be printed on surfaces made of cardboard, wood, melamine, paper, particle board, MDF, HDF and similar materials.



[FireEdge™ FE200](#)

By using a combination of pinning and LED full-cure lamps, realistic 'look' and more importantly 'feel' is enabled by creating texture to mimic the grains of natural wood. This is especially valuable in decorative and accent applications. With the Barberán Digital Single-Pass Technology, the inkjet printing machine JetMaster 1260 is able to print on every type of substrate, as there is no physical contact with the workpiece.

[Read the full article](#)



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Technology: Wood Coatings

UV LED curing solutions are being utilized in the wood coating industry because they offer highly reliable UV curing due to being a solid-state device. They provide deep through cure in course-grain woods and allow low surface temperatures that enable cheaper raw inputs.

UV LED curing technology is ideally suited for the wood coatings industry for applications such as edge coating, roller coating and digital printing. UV LED technology drastically reduces energy consumption and significantly reduces workpiece surface temperature.

Learn more about [UV LED Curing for Wood Coating Applications](#)

Phoseon Lighting the Way: FireEdge

The [FireEdge](#) products are high performance, small form factor air cooled systems used for pinning/gelling and edge-curing.

SPECIFICATIONS			
Emitting Window	Product	Dimensions	Product Family Features
75 x 10mm	FE300 	77 x 29 x 122mm 0.28 kg (0.6 lbs)	*Peak Irradiance: Up to 5W/cm ² Interface Control: PLC Scalable End-to-End Available in 365nm, 385nm, 395nm, and 405nm Wavelengths
110 x 10mm		113 x 29 x 122mm 0.38 kg (0.8 lbs)	
75 x 10mm	FE200 	77 x 24 x 122mm 0.29 kg (0.6 lbs)	*Peak Irradiance: Up to 2W/cm ² Interface Control: PLC Scalable End-to-End Available in 365nm and 395nm Wavelengths
110 x 10mm		113 x 24 x 122mm 0.38 kg (0.8 lbs)	
75 x 5mm		75 x 15 x 188mm 0.4 kg (0.9 lbs)	*Peak Irradiance: Up to 1W/cm ² Interface Control: PLC

Learn more about Phoseon's [UV LED curing products](#)

Phoseon in the Press

[Phoseon Technology Introduces New FireEdge™ UV LED Products](#)

[Phoseon Technology Displays UV LED Curing Solutions at IMI Asia](#)

[Phoseon Technology Achieves ISO 9001:2008 Certification](#)

[Phoseon Technology Announces Grand Opening of Shanghai Office](#)

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A Brilliant Display By Phoseon: Events

Upcoming Events

[Productronica China](#)

March 18-20, 2014
Shanghai, China

[Paint Expo](#)

April 8-11, 2014
Karlsruhe, Germany

[InPrint Industrial Print Show](#)

April 4-8, 2014
Hannover, Germany
Hall 021 Stand E37

[International Touch Screen Show](#)

May 7-9, 2014
Shanghai, China
Booth 5B82

[Deco 2014](#)

April 6, 2014
Pittsburgh, PA
Booth 218

[Radtech UV.EB](#)

May 12-14, 2014
Rosemount, IL USA
Booth 205

[Learn more about UV LED curing
related events](#)

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