

Advantages for the printing industry

UV inks have a drying time measured in seconds, which is also known as radical radiation curing. This offers the possibility of printing at speeds that have not been possible with solvent-based inks. For industrial applications, in particular, much higher cycle times can be achieved on modern, high-speed machines

In addition, the use of UV inks permits the perfect reproduction of the print output for subsequent orders.

Since the ink contains no volatile components, and the viscosity does not change (shade shift) a consistent batch print quality can be achieved. The fact that the ink does not dry in the screen permits the faultless printing of the smallest details and half-tones. This is a very positive feature for long print runs and multiple elements, in particular.

These advantages ensure that a positive increase in productivity is possible in many application areas. They ensure improved economic and competitive attributes when dealing with long print runs or high throughput (faster processing/packing).

The unrestricted screen permeability of UV inks is an additional positive argument in favour of these ink systems for the screen printer. Downtime is considerably decreased during the printing process.

The "absence" of solvents is very user friendly and is another reason for using UV inks.



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UV for Glass - Turn off the Oven !

The fact that (according to the experts) UV curing requires less energy than a hot air dryer and the small size of the dryer or inline module provides further support for this interesting and forward-looking technology.

Technical Specifications:

Size: H160cm -W110cm – L400cm

Conveyor: Speed Adjustable Polyamide Belt

Lamp: 2x Metal Halide Alpha Cure United Kingdom

Power: 3 Phase 380V- 40A (for both lamp together)

Weight: 500kg

Equipped with:

Emergency Bottoms on both sides of the machine.

Shutter System for lamp life saving

Alarm notification with green light for start of work

Lamp Cooling Fan, Suction system,

Entrance Tunnel Width: 60cm

Safety Holder at the end of the belt

LG inventor motor

Features

In contrast to traditional solvent-based inks, the new UV ink technology uses completely new raw materials and reaction mechanisms that ensure a faster and more reliable screen printing production process. On closer examination UV technology offers advantages for all concerned.

The most important benefit of UV Technology:

Highest resistances without additional post baking!

Limited resources and energy efficiency are keywords often mentioned in the glass sector.

The economic implications are obvious - the absence of oven drying leads to significant time (seconds vs. hours curing time) and energy savings (not uncommon to reduce by 65%).

Comparison	Ultraglass UVGL	Glasfarbe GL
Oven baking (O)	not necessary	necessary
Adhesion/ScratchResist	+++	++++
Chemical Resistance	++++	+++
Dishwasher Resistance	++++	+++
Gloss level	high gloss	glossy