

U. V. Lacquer Curing System



UVM-204

Cosmic U.V. Lacquer Curing System is specially designed to cure base-coat and top-coat of lacquer on glass, plastic, ceramic and metallic articles.

U.V. Lacquer instantaneous changes its state from liquid (wet) to solid (dry), as U.V. lacquer coated material is passed through a U.V. curing system.

U.V. Lacquering is best suitable for article which demand high finish quality.



UVM-202

- * Cosmetic containers
- * Perfumes caps
- * Nail polish caps
- * Cosmetic brushes
- * Sandal heels
- * Pens
- * Wall clocks
- * Photo frames
- * Curtain rods
- * Trophies
- * Wooden flooring
- * Mobile phones
- * T.V. cabinets
- * Door handles
- * Other items

Features

Instant drying	Time for curing is about 2 to 5 seconds.
Improved quality	Coated lacquer film is smooth, dust free, scratch proof, abrasion resistant.
High Reflectivity	Very high reflectivity for vacuum metallised parts due to high film build.
Clean and efficient	No toxic fumes and wastes. U.V. curing process is environment-friendly.
Designed to	Cure 3D objects from all sides.
Colours	Can get different shades of Golden, Silver & all other colours.
Lacquering Cost	Almost same as of conventional heat drying lacquers.
Curing size	Width: upto 20 inch, height: upto 14 inch, length: any, (other sizes is possible).
Electric Power	Half in comparison of conventional electric ovens.

Technical Specifications

Model	UVM-202 for product loaded on frames	UVM - 204 for product loaded on spools
Description	This oven is suitable for UV Curing of product tied on MS frames and lacquering (base and top coat) by dipping/spray. Dipping/spray arrangement is not included in this oven. Bigger products can be cured by loading directly on oven belt, without frames.	This oven is suitable for UV Curing of product tied on spools and lacquering (base and top coat) by dipping/spray. Dipping/spray arrangement is not included in this oven. Bigger products can be cured by loading directly on oven belt, without spools.
Products (examples)	Auto headlights, Torches, Emergency lights, Toys, Bathroom accessories, Wall clocks, Photo frames, Mobile phones, Decorative articles.	Fan parts, Pendants, Rackheads, Hair pins, Beads, Cosmetic brushes, Sandal heels, Curtain rods, Trophies, TV cabinets, Door handles, Novelties and Gift articles.
Process Sequence	<ul style="list-style-type: none"> - Loading of product on frame. - Lacquering by any process. - Frame along with lacquer coated product will be horizontally loaded on oven belt. - Infrared Heating. - Curing by UV Lamps. - Unload the frame having cured lacquer. 	<ul style="list-style-type: none"> - Loading of product on spool. - Lacquering by any process. - Spool along with lacquer coated product will be horizontally loaded on oven belt. - Infrared Heating. - Curing by UV Lamps. - Unload the spool having cured lacquer.
Curing Lamps, Nos	2	4
Curing Width, Inch	20	14
Curing Height, Inch	8	14
IR Heaters, Nos	2	4
Total Power, Kw	16	32

Model	Spray Station for product loaded on spools	UVA - 123 for individual product spray & curing
Description	This is automatic spray arrangement for product loaded on spools. UV curing oven is not included in this system.	This is complete system including spray arrangement for lacquering (base and top coat) & UV curing. Suitable for caps, bottles, small articles on which lacquering by dipping process is not possible.
Products (examples)	Any type, where only front surface coating is required.	Bottle / Nail polish / Perfume caps, Knobs Cosmetic containers, Pens, Such round and small items.
Process Sequence	<ul style="list-style-type: none"> - Loading of product on spools - Load the spool on spray station. - Motorised revolution of spool. - Automatic spray of lacquer on the product by spray guns. 	<ul style="list-style-type: none"> - Loading of product on mandrels. - Automatic individual, vertical revolution of product/mandrels. - Application of lacquer by spray guns. - Infrared Heating. - Curing by UV Lamps. - Unloading the mandrel, along with product.
Lacquer Tank, Nos	2	2
Tank Capacity, Ltr	5	5
Spray Guns, Nos	2	2
Curing Lamps, Nos	–	3
Curing Width, Inch	–	12
IR Heaters, Nos	–	3
Total Power, Kw	2	16

Note: Other size / configurations of U.V. Lacquer Curing System is possible as per your requirement to cure lacquer/varnish or printing inks.

Lacquer

U.V. Curable Lacquers are thin having low viscosity whereas normal lacquers are thick having high viscosity. Thus, if applied properly, one can get upto 3 times coverage by U.V. Curable Lacquers and get great sharpness & original fine details of the product even after base/top coats.

U.V. Curable Lacquer coats becomes very hard after proper curing thus can be used in disposable food grade items.

U.V. Lacquer dries instantaneously, within 1-2 sec. thus saves power and end product is dust-free.

We provide High Gloss, Fast curing U.V. lacquers for different types of plastics, glass and metal.

Lamp

We provide lamp and other spares of the curing system.

U.V. curable lacquering is a giant technological step forward for Coating Industry.



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