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UV Curing module for Web offset



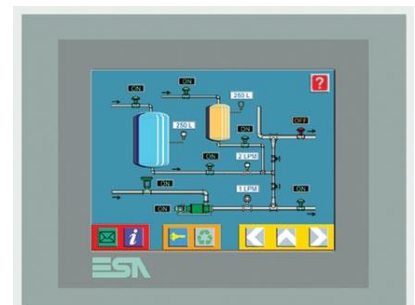
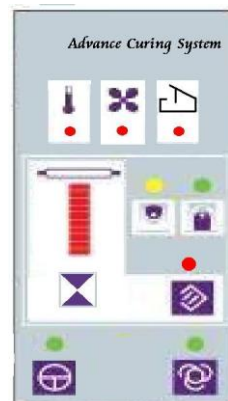
UV curing system for web offset has been developed after long years of test and trials by Advance Curing System, the pioneers in India in the field of ultraviolet and infrared technology. This system incorporates all the features available to suit the modern working environment and to suit the latest models of web offset press that are being manufactured around the globe today. Compact and rigid in construction, and flexible in operation has enabled the system most compactable to all the universally well-known web offsets. The advance features make it communicate with the control systems of the press making it more flexible and easy in operation.

Constructed in aluminum with designed reflector, shutter mechanism operating on pneumatic rotary activators, designed continuously variable air cooling, with air jacket insulation adds to its features for long and continuous trouble free operation. Separate control panel, stand alone monitors feather touch key pad or HMI controls and regulates the UV lamp with total Programmable Logic Control. Safety features of international norms adds to its credit. Unique design, compact and elegant finish makes it competent to the international market. Special fixtures for end of the press, for turner bar, for straight or slant feeds are available. Installation at site and training by our staff. Available with different voltage inputs to suit different countries. ACS also manufactures UV and IR systems for end of the offset, for laboratories, for screen printing, for 3D curing and various custom built requirements.

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UV Curing for End of Sheet Fed offset

UV curing system for end of the sheet fed offset has been designed with flexibility in mind. Years of experience in graphic industry knowledge of ultraviolet concepts has enabled to bring about trouble free stand alone UV curing for end of sheet fed offset. UV curing has been proved the most efficient source in print drying, added to many advantages that are provided to the printers in offset. Today, as the consumables like UV inks and coatings are easily available it has initiated most of the printers to change over from conventional printing to UV printing. It must also be noted that UV clear coating eliminates the lamination, which is an added advantage, saving lot of time, manpower and multiple laminating machine's as the coating is done at the speed of printing. More over printing on plastics with UV, inks have made way to various new innovative products.



Advance Curing System has developed UV curing machines, which are more convenient to change over from conventional printing to UV printing. ACS machines are built above the hurdles of operation process. These machines are custom built to suit any of your offset press depending on the width. The number of UV lamps is installed depending on the speed in which the production is done by the printer. All safety features are incorporated which makes the system easy for the operator. Cooler UV for PVC and Plastic card manufacturers.

ACS end of the press UV systems are designed to be installed at the delivery end of the press. The vacuum conveyor of variable speed transports the printed or coated sheets and takes it to the UV curing chamber and cures it. The cured sheets are then passed on to the delivery conveyor. The various options provided in the system make it flexible to suit the need of the printer. Systems are available from 24 inches to 48 inches curing width. UV with or without infrared chamber for conventional applications. 1, 2 or 3 UV lamps depending the speed of the press are available. Stand-alone control panel with complete digital readout of the parameters, cooling of the lamps, vacuum blower are mounted on castor wheels for easy installation and handling. Systems are available with 415V + 5% 50 Hz. (other voltages to suit different countries). The system is complete with installation and training provided by the staff of ACS. All technical information are available from ACS, we not only provide systems but solution. If you need any further clarification, get in touch with the pioneers.

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UV Curing machine For Screen Printing and Coating Machine.



This system is basically designed and built for screen-printing application. Screen-printed flat products has to be manually put on to the curing conveyor, curing is instantaneous.

Fabricated in mild steel with Teflon coated fiberglass conveyor, the vacuum frame is provided below the conveyor. UV stations are fixed on the conveyors; cooling is provided for UV lamp housing.

Quartz UV lamp is mounted in mirror polished reflector, the power supply to the lamp is installed in the control panel.

This unit is provided with the main drive, which is mounted in the UV station. The drive incorporates a DC motor, gearbox and accessories necessary for the movement of the conveyors. The control is variable and digital indication with readout of the speed in Meters/min is made available on the front panel. Various conveyor widths from 6 inches to 42 inches are available in 1, 2 and 3 lamp version with or without Infrared drying.

Control panel consisting of operating switches that are illuminated, interlocked between circuits wherever necessary. Phase indication, voltage measuring for each phase, conveyor speed indication and variable pot to set the required conveyor speed. UV hour indicator for lamp life is provided. Fuses are provided for each line, over load relay for motor protection all enclosed in a powder-coated cabinet.

Safety features such as emergency mushroom, quick blow of fuse are standard features in the UV system.

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