# UV Curing Module

Ultraviolet Module

This ultraviolet module is designed to suit any existing conveyor or stand alone application, in between station in the web offset or similar applications. The advantage in this advantage is that the unit can be retrofitted as per the requirement of the customer. Complete system consists of the hood, designed mirror polished reflector and lamp housing. The hood is cooled by blower (air cooled) blower provided along with the system. A shutter is provided for the reflector, which operates with pneumatic controls, such that the shutter can be closed during lamp operation as per the requirement of the operation. This feature enables the operator to automatically close the shutter when the print impression stops.

Separate control panel fabricated in mild steel and powder coated, with digital read outs controls the lamps. This control panel consists of illuminated operation, lamp hour readout (digital). Lamp current and controls for cools and shutter complete built in. Various arc length from 6 inches to 50 inches are available. With power levels from 200, 300, 400, 450 watts per inch depending on the application.

Depending on the needs of the curing process, the UV lamp is switch able into one of the 2 operating power modes: 100%, and 40%, as required.

The UV Module is cooled by air, whose flow is controlled by an automatic air damper. The system ensures maintenance of a stable temperature of the UV Segment cooling, independently of changes in the UV lamp power and of variable temperature conditions of the air taken from the surrounding atmosphere.

The exhaust system of the UV Module, connected to 2 axial flow fans, 1 centrifugal blower ensures: efficient operation of the vacuum suction cassette, cooling the UV lamp, ozone removal and cooling the whole UV Module.
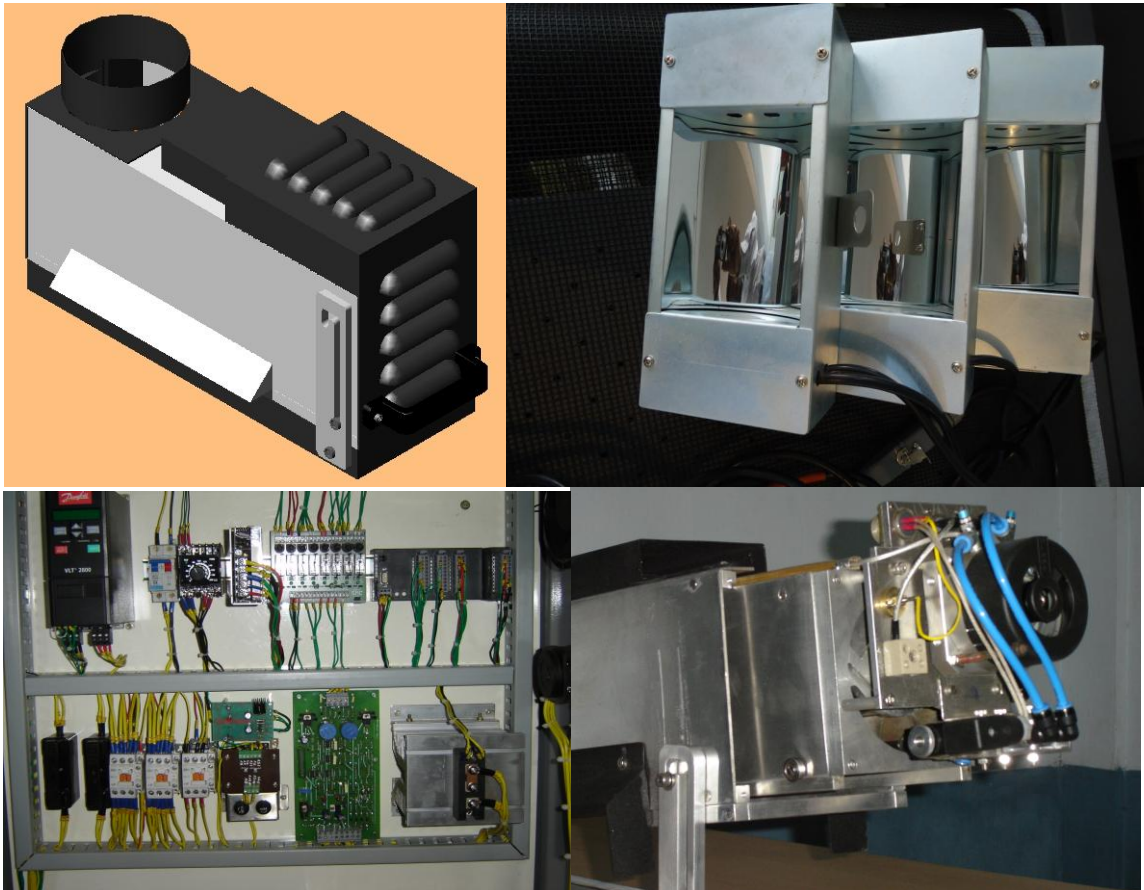
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