

VITRAN™ II



UV Curing System



FEATURES

- Belt widths from 61 to 213 cm (24" to 84")
- Choice of single or double lamps and 118 watts/cm (300 watts/in) or 157 watts/cm (400 watts/in) systems
- Patented dual-reflector technology

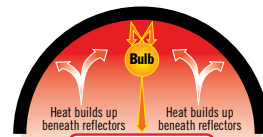
Vitran II brought M&R's patented dual-reflector technology to UV curing. The UV energy loss typical of other curing systems results in higher costs and slower running, hotter operating units. Vitran II uses a secondary reflector—positioned at the top of the primary reflector—to capture the energy that normally bounces down onto the lamp. The secondary reflector redirects this UV energy onto the substrate, speeding the curing process while saving energy and prolonging lamp life.

Open-top reflector chambers allow heat and ozone to escape. Powerful turbines hold down even lightweight substrates while drawing cool air under the reflector and across the belt and lamps. Adjustable UV lamps can be focused to cure heat-sensitive substrates (like vinyl) or unfocused for heavier substrates (like glass or metal). Vitran II is available in eight standard belt widths, from 61 to 213 cm (24" to 84"). Every model offers the choice of 118 watts/cm (300 watts/in)

Typical Reflector Design

Infrared reflection reduces life of bulb

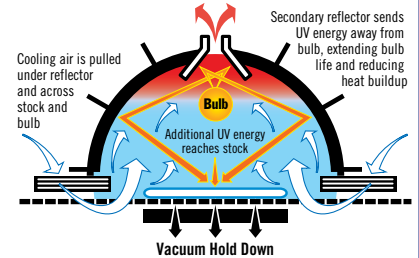
Less UV energy reaching stock increases curing times.



Excessive heat buildup can distort heat-sensitive stock.

M&R's Patented Secondary Reflector (Patent No. 5,216,820)

Opening allows heat and ozone to escape from reflector chamber.



or 157 watts/cm (400 watts/in) maximum power settings—in single and double lamp versions. Vitran II-300 can be set at 49, 79, 98, or 118 watts/cm (125, 200, 250, or 300 watts/in). Vitran II-400 can be set at 63, 79, 118, and 157 watts/cm (160, 200, 300, and 400 watts/in).

M&R's SystemSaver™ automatic shutdown sequence keeps the blower and belt running until the chamber has cooled. Vitran II also features a digital elapsed time meter to monitor lamp life, digital belt speed readout, digital amp meter, hinged housings for easy access to lamps, and a moveable control cabinet for easy maintenance. Each Vitran II is driven by a reliable, heavy-duty, variable-speed DC electric motor, with large anodized aluminum rollers, crowned for positive belt tracking.

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