

# HPI™

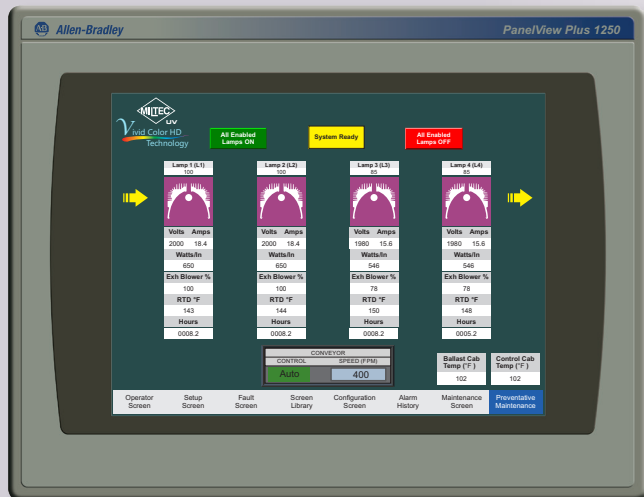
## UV Curing Systems



Vivid Color HD™  
Technology

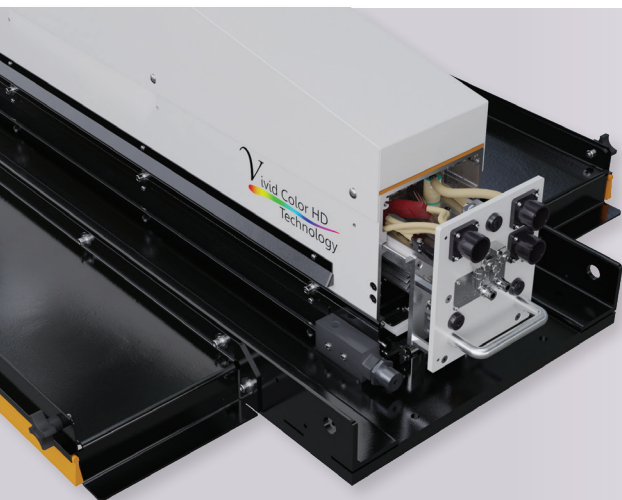
MIITEC  
UV

# FEATURES



## Controls

- Industry standard PLC and HMI hardware
- Remote VNC communication capable
- Simple, interactive operator controls
- On-screen graphical troubleshooting
- On-screen schematics and user manual
- Embedded “How to” instructional videos



## Lamp

- New and advanced R20 reflector geometry provides maximum optical efficiency
- Patented two-piece reflector system for quick reflector liner replacement
- Cold mirror reflector liner technology significantly reduces heat on the substrate
- Quick-release, easy-access lamp module

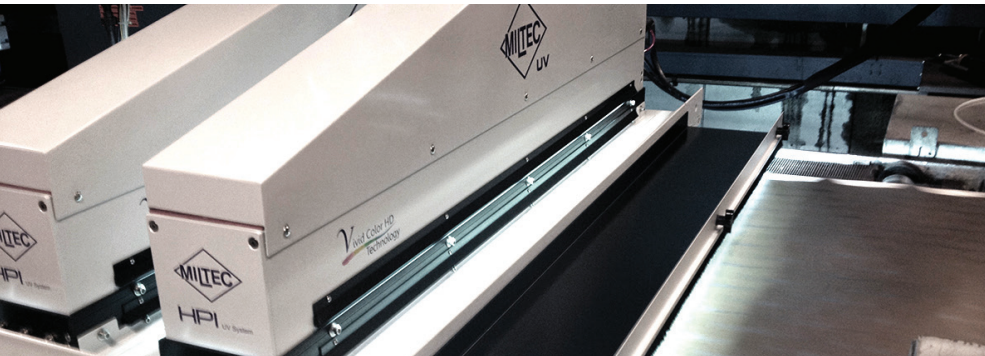


## Power Supply

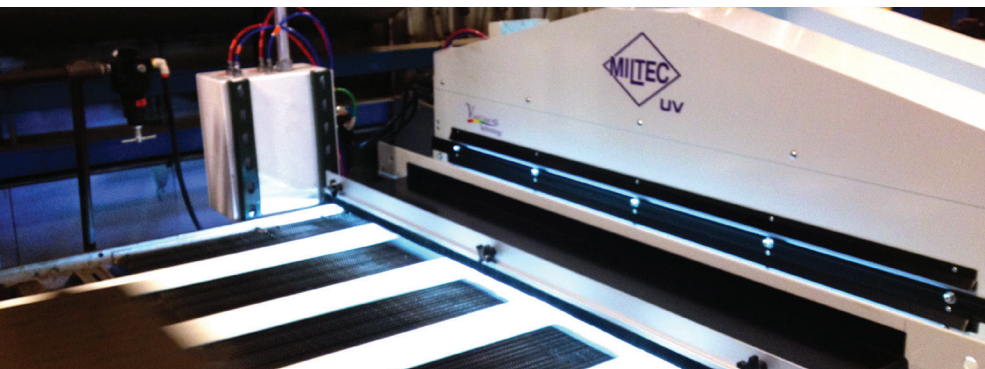
- Integrated custom enclosure with choice of forced air or air conditioned cooling
- Variable power, up to 650 watts per inch
- Ability to run additive lamps
- Choice of controlled ferroresonant or XR solid state power supplies
- Safety access interlocks and thermal monitoring of control bay and ballast bays
- Shunt trip main circuit breaker disconnect
- Ground fault protection on each individual power supply
- Network ready for local and remote communications



**Effectively Cure  
High-Density Inks**



**Eliminate  
Adhesion Problems**



**Significantly Improve  
Line Speed**

# ADVANTAGES



## **Performance**

The high UV output of our VCHD technology provides the curing requirements for today's and tomorrow's faster line speeds and chemistry.



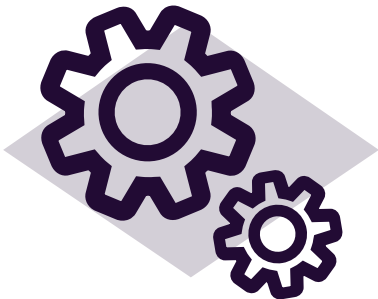
## **Reliability**

The proven design of our VCHD UV system will give you continuous trouble-free operation around the clock with 24 hour technical support.



## **Easy Operation**

Our color touch screen controller gives the operator simple graphical controls, "how-to" videos, and image based system health monitoring.



## **Easy Maintenance**

Our VCHD UV system "shows" the maintenance person how to correct any fault using images and videos. A "Preventative Maintenance" screen displays reminders when regular servicing should be performed.



## **Easy Installation**

The VCHD UV system is designed using direct end-to-end cabling between the main power cabinet, lamp system, and exhaust blowers.

# Vivid Color HD™ Technology

The development of our Vivid Color HD (High Density) Curing Technology was the result of working closely with our customers in the metal decorating and printing markets who were challenged to successfully cure dense, heavily pigmented UV inks at high speeds. Inks must cure all the way through for good adhesion and pass scuff resistance tests while running at high speeds to meet production demands. Failure to cure, results in rejected product and lost revenues. Our proven technology has passed the most aggressive adhesions tests available.

The Vivid Color HD Technology provides a solution to those in the metal decorating and printing markets as well as other non-printing applications such as wood stains and coatings.

■ UVA ■ UVB ■ UVV ■ UVC

mW/cm<sup>2</sup>

6000

5000

4000

3000

2000

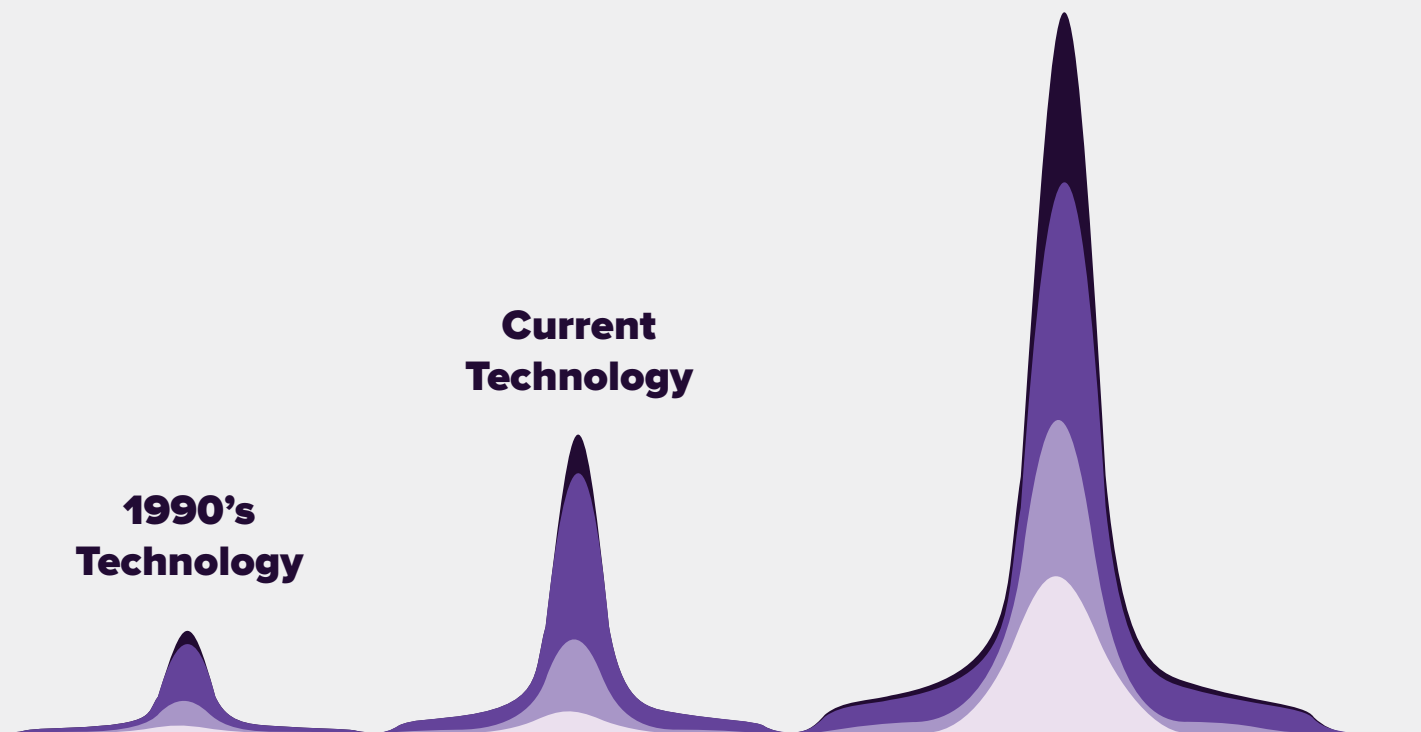
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**1990's  
Technology**

**Current  
Technology**

**Miltec UV's  
Vivid Color HD™ Technology**



**Miltec UV** is a global leader in the manufacturing of Arc and Microwave UV curing systems. We offer a wide range of technical services, UV parts, standard equipment, and custom systems designed to interface with existing or new manufacturing production lines.

Our systems serve a broad diversity of industry-specific applications in over 30 market segments, with particular emphasis in metal decorating (flat sheet and bottom rim coating).



**Some Applications Include:**

Cans — Aerosol, Beverage and Food

Flat Sheet Printing — Metal, Paper and Plastic

3 Piece and 2 Piece Cans

Bottom Rim Can Coating

Coil Coating

Printing

Wood Stains



**miltec.com**