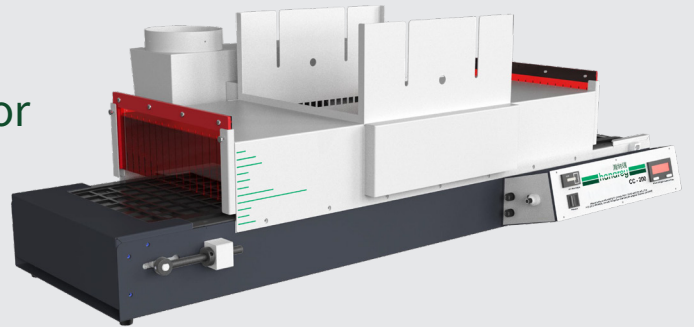


CC-200 UV Light-Curing Conveyor

30-cm Conveyor System with Multiple Lamp and Part Clearance Options



- Complete UV shielding
- Built-in exhaust fan and stack
- Controlled and consistent cure times
- Integral vacuum hold-down and cooling system
- Accepts parts up to 30 cm x 91 cm
- Accurate digital belt control and readout
- 10, 15 or 25 cm vertical clearance available
- Adjustable lamp-to-belt distance
- 30 cm belt width (guides available to channel parts into center 15 cm)
- Bench-top conveyor (with optional transportation carrying cart)

The CC-200 conveyor is designed for curing UV light-curable adhesives, resins, inks, and coatings. These 30 cm-wide conveyors can be outfitted with up to two FE-225 emitters, four 5000-EC lamps or up to two 15-centimeter microwave lamps. They offer complete shielding from UV light and ensure consistent cure times. The lamp options allow for matching intensity requirements to minimize operating costs. Standard height clearance is 10 cm; optional risers increase clearance to either 15 or 25 cm.



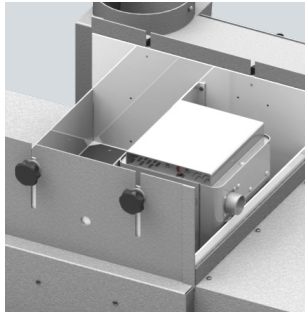
Choosing the Right Lamp(s)

CC-200 conveyors can be equipped with FE-225 emitters, 5000-EC lamps or F300 lamps.

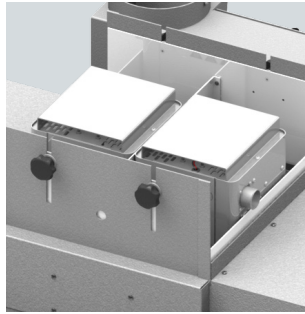
5000-EC Lamps

These lamps provide moderate intensity (~200 mW/cm²) over a 6" x 6" (approximate) curing area. Their 400-Watt auto-switching power supplies accept 90 to 264 Volts AC and 47 to 63 Hz. With normal use, 5000-EC bulbs will retain approximately 90% of their original intensity after 1,000 hours. 5000-EC lamps are recommended for small-to-medium throughput bonding applications. For faster or more tack-free cures, F300 lamps are recommended.

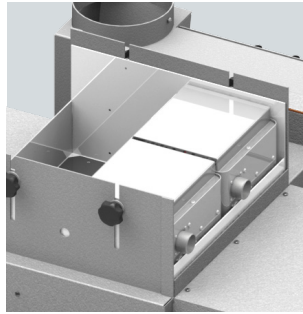
CC-200 conveyors can be equipped with one, two, or four 5000-EC lamps as shown in the diagrams below.



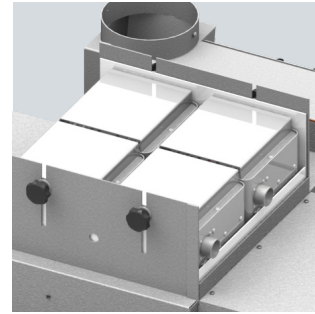
One 5000-EC lamp
center mounted
6" wide single exposure



Two 5000-EC lamps
center mounted
6" wide double exposure



Two 5000-EC lamps
full-width mounted
12" wide single exposure

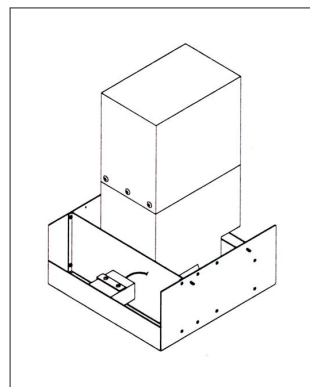


Four 5000-EC lamps
full-width mounted
12" wide double exposure

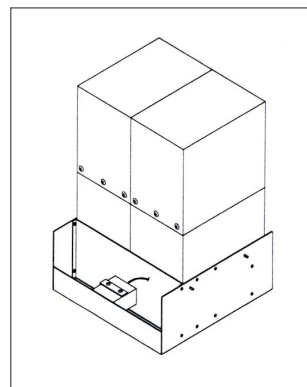
F300 Lamps

These lamps provide the highest intensity (~2,500 mW/cm²) over a 1" x 6" curing area. F300 lamps require 220/230 Volts AC. With normal use, F300 lamps retain 80% of their intensity up to 5000 hours. F300 lamps are recommended for most coating, potting, and gasketing applications and all high throughput applications.

CC-200 conveyors can be equipped with one or two F300 lamps as shown in the diagrams below.



One center-mounted F300
6" wide single exposure

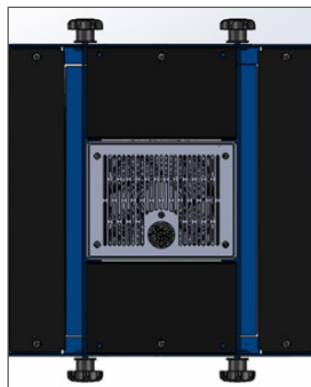


Two full-width mounted
F300s
2" wide single exposure

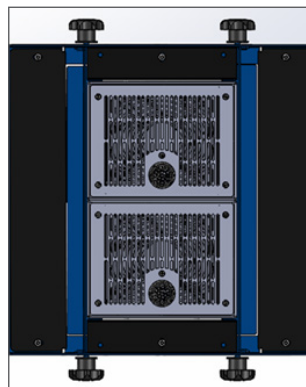
FE-225 Emitters

These emitters provide the highest intensity ($\sim 2,000 \text{ mW/cm}^2$) over a 5" x 5" curing area. FE-225 emitter require 100-240 Volts AC. FE-225 emitters are recommended for most coating, potting, and gasketing applications and all high throughput applications.

CC-200 conveyors can be equipped with one or two FE-225 emitters as shown in the diagrams below.



One center-mounted FE-225
5" wide single exposure



Two center-mounted
FE-225s
5" wide double exposure

Specifications

| | 5000-EC Lamps | | | | F300 Lamps | | FE-225 Emitters | | |
|--|--------------------------|-----------|-------|-----------|----------------|----------------|-----------------|-----------------|-----------------|
| | 5000-EC MODULAR (SILVER) | | | | FUSION F-300 D | FUSION F-300 H | FE-225-E 365 nm | FE-225-E 385 nm | FE-225-E 405 nm |
| Base Conveyor Part Number | 86101 | | | | 86102 | | 86101 / 86102 | | |
| Cradle Kit Part Number | 86105 | | | | 86106 | | 86107 | | |
| Lamp Part Number | 38100 | | | | 36402-C | 43441-C | 86611 | 86612 | 86613 |
| Amperage | 2A | | | | 15A | | 7A | | |
| Belt Width | 30 cm | | | | 30 cm | | 30 cm | | |
| Number of Lamps | 1 * | 2 * | 2 | 4 | 1 or 2 | | 1 or 2 | 1 or 2 | 1 or 2 |
| Lamp Orientation CM = Center Mounted FW = Full Width | CM | | FW | | CM | FW | CM | | |
| Width of Illuminated Area | 15 cm | | 30 cm | | 15 cm | 30 cm | 12.7 / 25.4 cm | | |
| Maximum UVA Intensity (320-390 nm), mW/cm ² | 200 | | | | 2,500 | | 1,700 | 2,100 | 2,700 |
| Shipping Weight with Crates (lbs. [kg]) | 390 [177] | 410 [186] | | 450 [204] | 475 [216] | 580 [263] | N/A | | |
| Belt Speeds (feet per minute) | 1-32 fpm | | | | 1-32 fpm | | 1-32 fpm | | |
| Voltage (VAC) | 220V | | | | 220V | | 100-240V | | |
| Conveyor Dimensions (L x H x W) | 150 cm x 100 cm x 89 cm | | | | | | | | |
| Replacement Bulbs | | | | | | | | | |
| Metal Halide (Standard) 38560 | ✓ | ✓ | ✓ | ✓ | | | | | |
| Mercury 36970 ** | ✓ | ✓ | ✓ | ✓ | | | | | |
| "D" Bulb (Standard) 36399 | | | | | ✓ | | | | |
| "H" Bulb 36441 ** | | | | | | ✓ | | | |

* These conveyors have center-mounted lamps and are supplied with removable guides to channel parts into middle 15 cm of conveyor.

** These bulbs are primarily designed for curing UV inks and cationic epoxies.

Configuring a CC-200 conveyor to meet your needs.

1. Choose the part number for the base conveyor and cradle kit configuration.
2. Select matching emitters and lamps based on the number of heads and the wavelength for the application.

| Replacement Parts & Accessories | | |
|---------------------------------|------|-------|
| Accessories | | |
| Risers Kit 2" * | Pair | 39218 |
| Risers Kit 6" * | Pair | 39280 |
| Guides for 6" Curing | 1 | 39277 |
| Transportation Cart | 1 | 39215 |
| ACCU-CAL™ 160 Radiometer | 1 | 41590 |
| Replacement Parts | | |
| Acrylic Tunnel Shield | 1 | 39205 |
| Tunnel Light Curtain | 1 | 39207 |
| Replacement Belt | 1 | 39134 |

*Available on new conveyors only and installed at the factory.



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HPB003 4/16/2024