



# Miltec UV- The Power of Excellence.

## QUALITY, RELIABILITY, PERFORMANCE.

### MPI Conveyor Cure

#### Description:

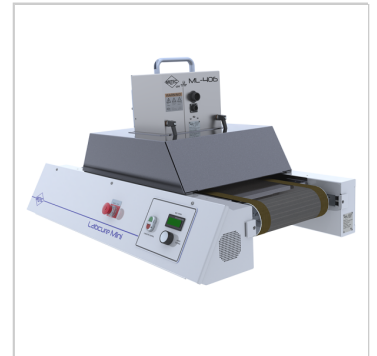
Miltec UV's Conveyor Cure microwave technology model uses our MPI UV curing system with electrode-less, long life UV bulbs and advanced, patented features to instantly cure UV inks, coatings, stains, and adhesives in a wide variety of conveyor applications. It performs to the most challenging demands in the market and is cost effective, easy-to-use and maintain, energy efficient, and eco-friendly. Fast, effective curing with outstanding heat management is delivered through advanced optics with high peak irradiance and numerous cooling design features. With the MPI, manufacturers succeed in providing consistent quality products at fast line speeds with substantially lower operating and energy costs. Our in-house Engineering department can offer a standard design or a custom conveyor design for you application to optimize the most efficient use of floor space and production capacity. Features offered are variable speed drive control, UV resistant belts, vacuum hold down, professionally designed light shielding and lamp mounting, water cooled chill plates to minimize substrate temperature rise during the curing process and much more.

#### Contact us to discuss your application.

#### Benefits and Features:

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- ▶ Exceptional cooling for efficient curing and longer parts life
- ▶ Robust housing to fit industrial production environments
- ▶ Lower energy and operating costs
- ▶ Lower parts cost
- ▶ Easy maintenance and exceptional ongoing technical service
- ▶ Advanced easy operator interface
- ▶ Variable speed drive control
- ▶ Water cooled chill bed for substrate cooling during the curing process
- ▶ Various lengths and widths available including custom designed conveyors

#### Applications:

- ▶ Automotive
- ▶ Medical
- ▶ Wood Cabinets
- ▶ Electronics
- ▶ Flat sheet
- ▶ Wood
- ▶ Plastic
- ▶ Metal
- ▶ Glass
- ▶ Printing
- ▶ Coatings
- ▶ Inks
- ▶ Custom UV Curing on conveyor
- ▶ Research & Development

Specifications:

#### MP-400 Power Supply Specifications:

Primary power choices:

<b>Standard Power Supply:</b>	240-480vac (60hz), 380-415vac (50hz)
<b>CE Power Supply:</b>	380-480vac (60hz), 380-415vac (50hz)
<b>Electrical requirement:</b>	At 480vac 60hz, L1-7A, L2-7A, L3-11A; At

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<b>Control functions:</b>	Power: On/Off Lamp: On/Standby/Off Power select: Low/High
<b>Remote control inputs:</b>	Lamp On/Lamp Off/Low Power
<b>Safety Interlock inputs:</b>	System blower/External Interlock
<b>Relay outputs:</b>	Filament On/HV On/Low Power/Lamp On/Press Enable

<b>Standard Power Supply Weight:</b>	160lbs. (72.6kg)
<b>CE Power Supply Weight:</b>	143lbs. (65kg)
<b>Standard Power Supply Dimensions:</b>	31.27 in L x 17.50 in W x 8.25 in H (794mm x 445 mm x 210 mm)
<b>CE Power Supply Dimensions:</b>	788mm x 433mm x 222mm
<b>Standard cable lengths:</b>	2m, 3m, 4m, 5m, 6m, 8m, 11m, 14m, 16m, 17m 21m, 26m, 31m, 38m
<b>CE Certification:</b>	(MP-400 CE Only)

### ML-400 Lamp Module Specifications

<b>Weight:</b>	33.6 lbs. (15.25 kg)
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	(267mm x 390 mm x 226 mm)
<b>Material and Finish:</b>	Brushed Stainless Steel
<b>Optimum focus:</b>	2.1" (53mm) with respect to the bottom of the housing
<b>Air Cooling requirements:</b>	250 SCFM @ 5.5 – 7.0 inches W.C. (7.1 M <sup>3</sup> /min.@1370-1740 Pascals)
<b>Options:</b>	Cold mirror reflector, Integral Cooling Blower, Top Connector Lamp (ML-401), Bulb Fills (H, H+, D & V)
<b>Cure Width:</b>	10 inches (254mm)