

Lab Series Conveyors

The Lab Series Conveyors are small scale UV curing units suitable for laboratory and R & D applications. They can be used in testing of adhesives, inks & coatings for qualification, cure response testing or performance evaluation.

The conveyor can handle a variety of substrates. The lamp housing is adjustable to accommodate parts up to 75mm high. The unit is available in two widths: 150mm and 300mm, and there are a variety of lamp options from the Heraeus Noblelight Fusion UV Systems range.

The system is air-cooled and utilizes a push-pull cooling configuration with two fans. This uses air flowing through the lamp and down through the belt to help keep small sheets or parts in place throughout the curing process.

The specially designed open weave Kevlar® belt is Teflon® coated for smooth performance and is treated to eliminate static charges.

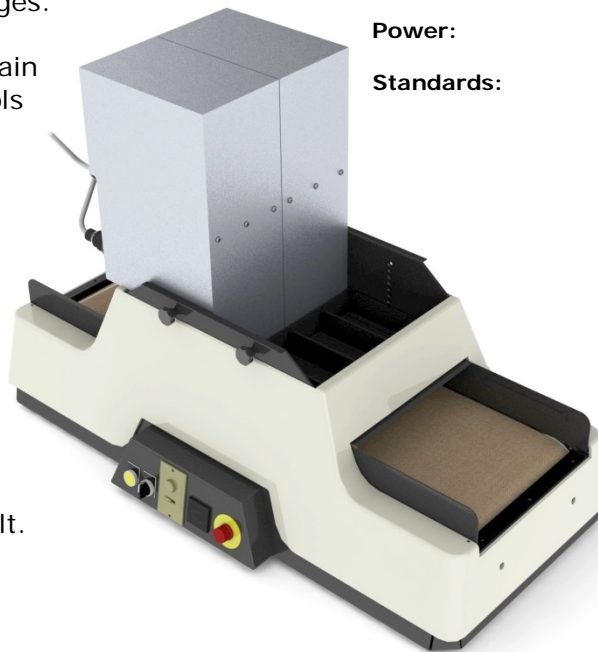
The conveyor and main lamp systems controls are combined onto a control panel.

There is a choice of speed ranges.

Additionally, a minimum speed sensor is incorporated to provide interlocked lamp control and protection for the belt.

Specifications

Nominal width:	150mm / 300mm
Lamp Positions:	Vertical adjustment from focus at belt surface to 100mm beyond focus with adjustable doors.
Overall Length:	1070mm
Belt:	Teflon®-coated Kevlar® fibre
Belt Travel:	Right to Left
Speed Indicator:	m/min on LCD Display
Speed Range:	Std: 2-70 m/min Low: 0.5-7.0 m/min
Drive:	Geared motor with belt drive; interchangeable pulleys provide two speed ranges within each Speed Range
Controls:	Power On/Off Belt Run Lamp Reset/Standby/On Speed control E-Stop & Reset
Power:	220/240 VAC, 50Hz
Standards:	CE Certified

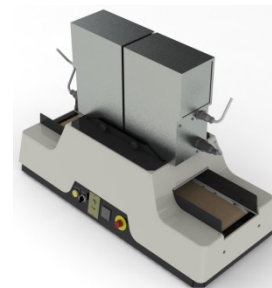


Configuration Options

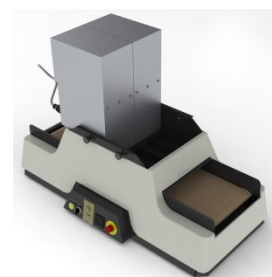
L110-6 Belt Width: 150mm
Lamp Configuration: 1-Lamp
Lamp Options: F300S, LH6
Lamp Adjustment: Rotational & Height



L120-6 Belt Width: 150mm
Lamp Configuration: 1 or 2-Row
Lamp Options: F300S, LH6
Lamp Adjustment: Stepped Height



L210-6 Belt Width: 300mm
Lamp Configuration: 1 or 2-Row, 150mm
1-Row, 300mm
Lamp Options: F300S, LH6
Lamp Adjustment: Stepped Height



L110-10 Belt Width: 300mm
Lamp Configuration: 1-Row, 250mm
Lamp Options: F600S, VPS, LH10
Lamp Adjustment: Stepped Height

Accessories & Upgrades

Integrated Stand Assembly (ISA) - The ISA stands have been developed to make installations simple – containing an exhaust and carbon filter unit, these components form a standalone UV curing conveyor system with no requirement for external exhaust ductwork.

Quartz deflector plate: Provides protection for the substrate/part from the lamp cooling air.

Off-load Catch Trays: Conveyor extension platforms.

Polycarbonate end panels: Can be fitted to the conveyor ends to provide additional UV protection when curing tall components.

