



Ultra Conveyor 1000 Data Sheet



Ultra Conveyor 1000

The **Ultra Conveyor 1000** is a production UV curing unit that is suitable for laboratory and R&D applications. It can also be used in the testing of adhesives, inks and coatings for qualifications, cure response testing or performance evaluation. It can handle a variety of substrates up to 7 ½" wide with an effective curing width up to 6". The lamp and housing are adjustable to accommodate parts up to 3" high. With the compact model lamp system, the unit offers an ideal curing system for small production parts. A unique and simple mechanism allows the lamp to be rotated and set to any angle to part travel or raised and lowered to vary its distance from the part. The **Ultra Conveyor 1000** uses air flowing through the belt to provide cooling and to help keep small sheets or parts in place throughout the curing process. An internal exhaust blower assists with cooling. The one-piece molded housing provides easy access to internal components. The specially designed open-weave Kevlar[®] belt is Teflon[®] coated for smooth performance and treated to eliminate static charges. The unique seam design provides an essentially uninterrupted belt surface. There is a choice of 4 models and speed ranges from .3 to 250 feet per minute (.1 to 75 m/min). A digital speed indicator on the front panel displays speed. A convenient lamp control switch is also located on the front panel with a zero-speed sensor incorporated to provide lamp control and protection for the belt.

Options Available:

Speed:
High speed or low speed model.

Recommended:
Snap-on end light shields. Choose from top-access or end-access styles.
Exhaust duct transition. Quartz plate air deflectors. External end reflectors.
Left-to-right belt travel (opposite direction). Special belts for small parts.
Stainless steel mesh belt. Adaptable to hold 2 lamps (without rotatable feature).

Lamp:
Option A (with blower) or option B (for remote blower), purchased separately.

Lamp requires:
200-230V. Lamp system sold separately.

Specifications:

Nominal Width:
6" (152 mm).

Lamp Position:
Rotatable, 360°; vertical adjustment from focus at belt surface to 4" (100mm) beyond focus.

Overall Length:
42" (1070 mm).

Overall Width:
20" (510 mm).

Overall Height:
Without lamp: 12.2" (310mm); With lamp: 27.4" (695mm).

Weight:
Without lamp: 55 lbs. (25 kg).

Belt:
¼" weave Teflon[®] coated Kevlar[®] fiber, carbon impregnated with unique fold-back loop seam.

Direction Belt Travel:
Right-to-left, standard.

Speed Indicator:
Digital, in fpm or m/min.

Speed Ranges:
Digital, in fpm or m/min.

Drive:
PMDC gearmotor; Synchronous belt drive, interchangeable pulleys provide two ranges for each model; high speed and low speed.

Controls:
Power on/off, speed adjust, lamp on/off.

Interconnections:
Lamp on/off (incorporates zero-speed switch).

Exhaust Blower:
Included - internal.

Fasteners:
Metric.

Power:
117/230 VAC, single phase, 50/60 Hz, internally selected. IEC style power connection with power switch.