

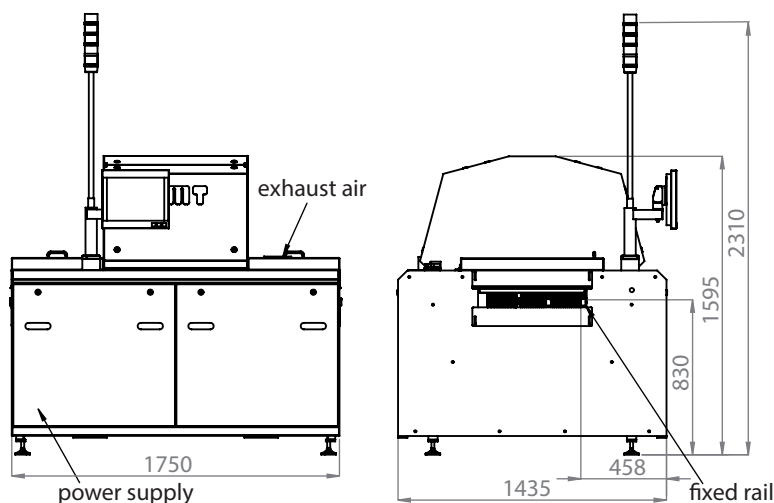
## UV Conformal Coating System

### SMT UV



For all users who use UV-cured coatings with a completely new generation of systems with which a major step forward has been taken with regard to quality, service life and cost minimisation.

The heart of the system is a completely new UV light source, which is not only outstanding because of its extremely long service life but also achieves a consistent performance level over the entire usage cycle. SMT therefore achieves totally consistent results over the entire usage period of the light source.



## UV Conformal Coating System

### SMT UV

The modular, variable machine design for UV-curing of ready mounted control units or PCB with extended pass through height. Short, compact machine design depending on pass through height due to avoid too much emission at in- and outlet openings. All mechanical and electrical components, the control unit, the conveyor system etc. are well known from our market proven reflow systems.

### To all users of UV conformal coatings, this means:

- complete process reliability over a long production period
- lifetime of UV light source > 6,000 hours
- Start-up-time < 1 minute
- No expenditure maintenance (no checking and readjusting of the UV light source)
- Fully integrated into SMT machine data system (management data system and MES)
- Significantly lower costs.

## Technical Data SMT UV

### External dimensions

Length:	1750 mm
Width:	1435 mm
Height (in delivery condition, incl. warning light): <sup>1.)</sup>	1595 mm / 2310 mm
Inlet height, adjustable by customer: <sup>1.)</sup>	830 ... 1030 ±20 mm

<b>Weight</b>	approx. 750 kg
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### Transport chain conveyor

Usable working with 1 UV-light source (2 UV-light sources / 3 UV-light sources):	50 ... 150 mm (300 mm / 450 mm)
Pass through height (top/bottom):	30/30 mm

<b>Conveyor speed</b>	0.2 ... 3.0 m/min.
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### Extraction <sup>2.)</sup>

Suction pipe:	1 x Ø 150 mm
Required exhaust air at pipe:	approx. 600 ... 800 m³/h
Temperature of exhaust air at the pipe:	< 50 °C

<b>Continuous sound pressure level</b>	< 70 dB(A)
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<b>Control unit</b>	CDIAS with RT 7
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### Power supply

Connecting power supply:	3~N, PE 230 / 400 V, 50 Hz
Max. current consumption per phase:	20 A
Power consumption during start-up, 1 UV light source (2 UV / 3 UV):	4 kW (8 kW / 12 kW)
Power consumption steady state condition, 1 UV light source (2 UV / 3 UV):	approx. 4 kW (8 kW / 12 kW)

1.) Standard height 830 mm; corresponding to a changed inlet height the other heights of the reflow system are changing

2.) Connection of a flexible, heat resisting (at least 100 °C) hose (available by SMT) or tube, The waste air exhausting unit width adjustable throttle valve mounted after the suction sleeves has to be installed by the user

