UV2000
ULTRAVIOLET CURING SYSTEM

WOOD LINE

Drying technology making use of high power UV-lamps with direct radiation has been in use for long times, it has great advantages in drying speeds and surface hardness of lacquers.
CEFLA puts its unique experience in this sector at disposal of the market, and produces dryers that utilize this technology for:

- Drying of lacquers with 100% solid content, applied by means of roller;
- Final hardening of lacquers, applied by spray or curtain coater, after the evaporation of solvents or water.

- The oven is made by one or several single-lamp units, that are connected depending on the line speed, the finish quantity, the function of gelling or complete drying.
- It is possible to install reflectors with focussed (concentrated rays) or diffused (parallel rays) emission: this allows optimum performance, according to the type of finish used (acrylic or polyester).
- Types of lamps used, with complete interchangeability:
  - Quicksilver Hg: max. peak value of 367 nm, with optimum emission, even on lower wave-lengths, for transparent lacquers;
  - Gallium Ga: emission of 420 nm, with high penetration capacity, for pigmented lacquers.
- Single-lamp unit with independent ventilation to provide air exchange, allowing exhaust of the created the system.
- The lamp switches on only when the fan is working.
- Innovative rotating system of the double-segment head lights, with UV-light protection in case of line stop, accompanied by an automatic reduction of the lamp power to avoid excessive heating and obtain to energy savings.
- The rotation works even when the dryer is off, to achieve simple servicing and easy exchange of the lamp.
- Manually variable power at three levels: 80 – 100 – 120 W/cm.

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AVAILABLE OPTIONS

1. Linear power adjustment from 60 to 120 W/cm. With device to maintain the selected power, notwithstanding the variation of net tension.
2. Console at machine.
3. Control of amperage with alarm.
4. Sensor for power efficiency control.
5. Filter for partial absorption of the IR rays emitted by the lamp.
6. Manual lifting of the single-lamp unit.
7. **UV2000/M2 -IC** = Two subsequent modules with inclined lamps, for the drying of panel surface and edges, in the case of spray application.
8. **UV2000/600** = Dryer with total work width of 600 mm.
9. **UV2000/1600** = Dryer with total work width of 1600 mm.
10. **TLF M-1/F** = Dryer with 1 lower lamp.
11. **UV2000/ M1/ESIF** = Dryer with 1 lower lamp and serrated conveyor.
12. **CRU** = Insertion of final cooling Hood.
13. **CRIM** = Insertion of intermediate cooling Hoods.

TECHNICAL SPECIFICATIONS

	Electric power 1 lamp - 80 W **kW**	Oven electric power **kW**	Compressed air **Nl/min**	Air make-up **mc/h**	Air with solvent exhaust **mc/h**
UV2000 M1	11,4	12,5	4	1000	1000
7 - UV2000 / M2 - IC	12,2	26,05	8	2400	2400
8 - UV2000 / 600 M1	12,2	7,3	4	800	800
9 - UV2000 / 1600 M1	6,2	15,55	4	1300	1300
10 - TLF M1 / F	13,9	12,5	-	900	900
11 - UV2000 / M1 - ESIF	11,4	13,05	-	1000	1000
12 - CRU		1,1			
13 - CRIM		1,25		2400	2400