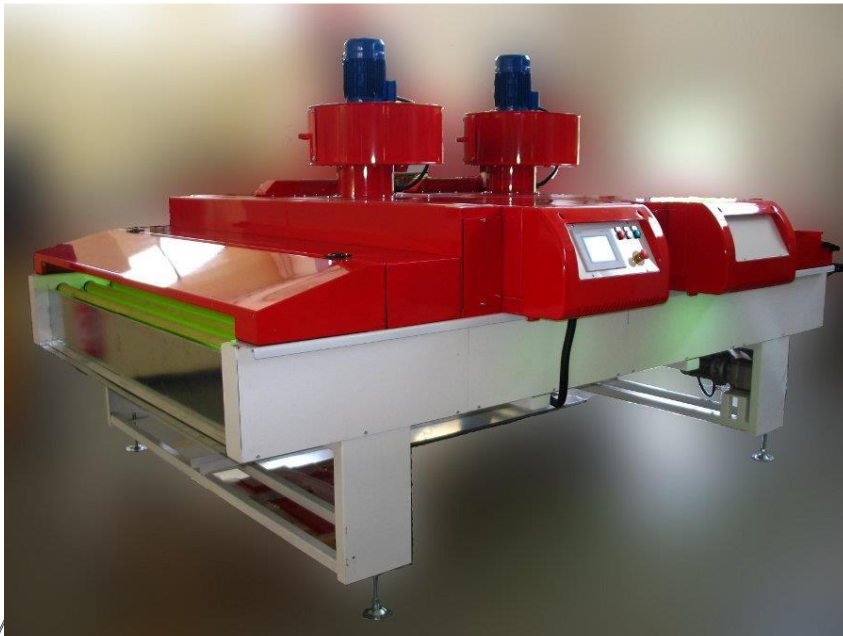


# UV OVEN

For drying of varnish with UV Polymerization



**M.I.T. S.r.l.**

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UV photopolymerization ovens allow the drying of varnishes, sprays & coated components, and are modules designed in order to support up to 4 radiating parables.

(Note: Applicable for Food Sector too)

Lamp power supply systems are the devices MUV FULL DIGITAL that manage independently both the adjustment of the lamps and the parable. Thanks to MUV devices, the electric panel and the management software of the ovens are compact and simplified. The technological solutions adopted guarantee the maximum optimization of the radiating system in order to avoid energy wastes in the absence of passage of the piece.

**PLUG & PLAY CONSOLE** for the complete management of the UV OVEN: It is used to control, two or four MUV devices.

**Console** operator with energy saving power supply MUV FULL DIGITAL for high power UV lamps.

**Plug & play:** Connecting the power cable, the UV lamps, the parables and the photocell, the console is ready to manage the whole UV lamps oven.

## FUNCTIONALITY

- Control and adjustment of the transport's system of the oven
- Optional: inverter for the engine of the transport's system of the oven
- Power disconnecting switch
- Emergency button
- Start button, forced stand-by for energy saving, stop of the lamps

## BENEFITS:

- Variable electronic control of the frequency of emission
- Variable radiated specific power
- Reduction of processing times
- Weight and dimension reduction
- Uniform radiation
- Reduction of lamping time
- Reduction the wear of lamps
- Energy saving

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### M.I.T. S.r.l.

## CARATTERISTICHE TECNICHE



MUV 10



MUV WITH INVERTER AND EMC FILTER  
INTEGRATED



PLUS & PLAY CONSOLE FOR CONTROL OF TWO / FOUR  
MUV DEVICES

MUV 20

MUV 30

	MUV10	MUV20	MUV30
<b>Output characteristics</b>			
Power range	4 – 11 kW	4 – 22 kW	12 - 33 kW
Lamp voltage range	400 ÷ 1800 V	850 ÷ 2400 V	1500 ÷ 2800 V
Max lamp current	15A	13 A	15 A
Max cable length to lamp	30 m		
<b>General characteristics</b>			
Input requirements	376 – 410 V or 400 – 470 V or 440 – 525 V  3 Phases  48 – 62 Hz		
Physical dimensions	L. 495 x P.520 x H. 295 mm or L. 575 x P.520 x H. 295		
Peso	40 kg	40 kg	45 kg
Mark	CE		
<b>Electrical properties</b>			
Electrical efficiency	> 95 %		
Power factor	> 0.91		
Power line loading	Symmetrically on 3 phases		
Working frequency	15-32 kHz		
Standby power	5-30 %		
Adjustment from P <sub>min</sub> to P <sub>max</sub>	20% - 110%		
Time from Standby to ON	0,2 – 0,5sec		
Time from On to Standby	1-2 sec		
Time from OFF to ON	60 sec		
Fan speed	30% - 120%		

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