

UV Curing Equipment

MFS 300S series(single side curing)

MFD 300S series(double side curing)



UV Curing Equipment

High flexibility in module design for curing of adhesive surfaces in seconds enable reliable curing of large adhesive surfaces in seconds and with a service life of more than 6,000 hours. The lamps can be individually adapted to your production conditions.

All surface UVA can come up with particularly high intensities of over 1,200-1,400 mW/cm².

Advantages at a glance

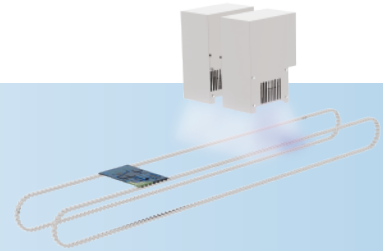
- Electroless microwave UV lamp
 - **Short cycle times thanks to the highest intensities**
 - **High process reliability through homogeneity and intensity stability**
 - **Long life > 6,000 hours**
 - **Different spectra**
- Low oven temperature
- Belt or chain conveyor
- User-friendly



Overview of Products

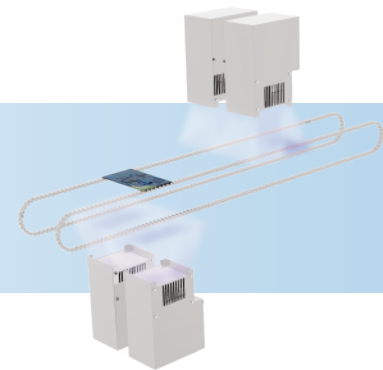
MFS300S-2B/C

- Single-sided irradiation, equipped with 2 lights
- Design and development for PCBA spraying line
- Adjustable width of conveyor belt : 100-400 (mm)



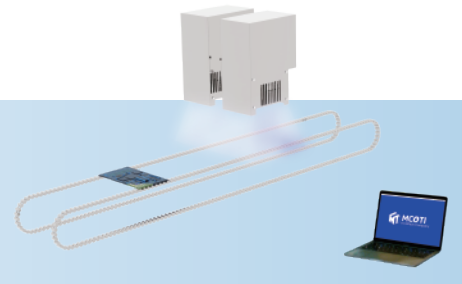
MFD300S-4B

- Double-sided irradiation, curing on the front and back sides at the same time



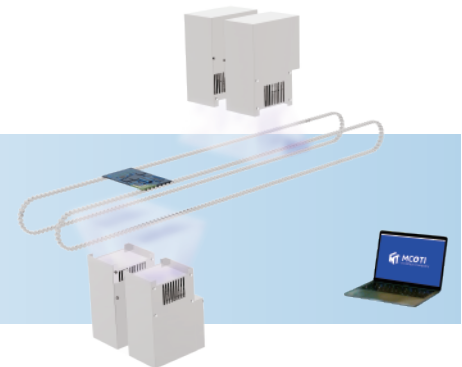
MFS300S-2F

- Intelligent single side irradiation, equipped with 2 lights
- Intelligent control, realizing interconnection with MES system of the smart factory
- Real-time monitoring and comparing parameter
 - Monitoring of furnace chamber temperature $\leq 90^{\circ}\text{C}$
 - Monitoring Chain speed
- Adjustable width of conveyor belt : 100-400 (mm)



MFD300S-4F

- Intelligent double side irradiation, equipped with 2 lights
- Intelligent control, realizing interconnection with MES system of the smart factory
- Real-time monitoring and comparing parameter
 - Monitoring of furnace chamber temperature $\leq 90^{\circ}\text{C}$
 - Monitoring Chain speed
- Adjustable width of conveyor belt : 100-510 (mm)



Electroless Microwave Lamp F300S

Long bulb lifetime - 300 watt/inch mercury bulbs are guaranteed to last a minimum of 6,000 hours. Most users report lifetimes well in excess of warranty period.

Rapid start and restart - Eliminates requirement for shutters and associated shutter mechanisms.

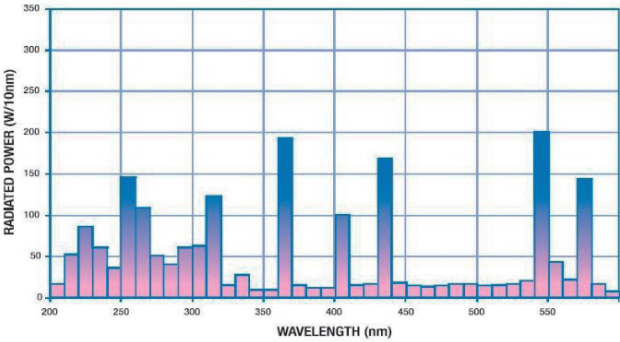
Less heat to substrate - Optimized bulb fill to give maximum ultraviolet output with minimum infrared heat to substrate.

Reduced maintenance - Long life means fewer changes and bulbs simply snap in and out requiring minimal operating downtime.

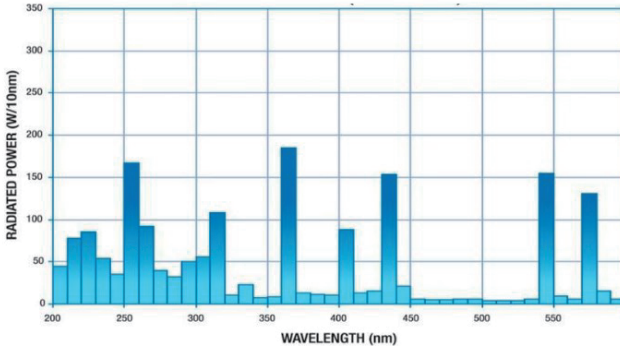
Full cure width maintained throughout bulb life - No blackening at bulb ends; therefore, no decrease in cure width over time.

Available Spectra

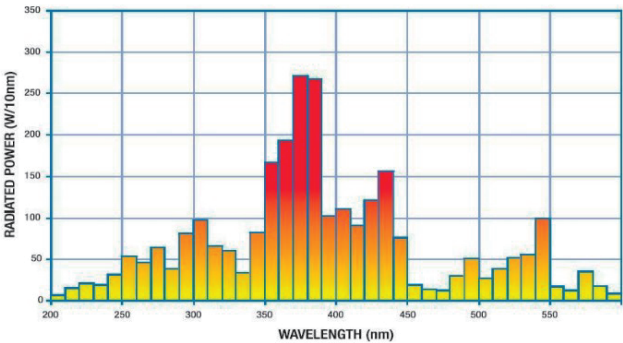
H Bulb



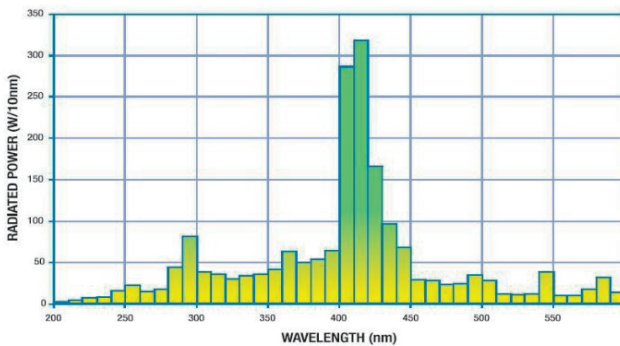
H+ Bulb



D Bulb



V Bulb



Technical Data

Single side UV oven

Min. Size of PCB	50x50mm
Max. Size of PCB	400x400mm
Fixture thickness	0.2-5mm
Top height of fixture	25mm
Bottom height of fixture	50mm
Lamp	Hearuse F300S*2EA
Bulb type	H ; H+ ; D and V
Irradiation width	320mm
Intensity variation cross the width	<10%
UV intensity	1200-2000mw/cm ²
UV energy (UVA:mj/cm ²)	1000-6000(adjustable)
Oven temperature	<90 degrees
Conveyor speed (m/min)	0.4-4(adjustable)
Conveyor height	900±20mm
PCB transfer direction	Forward or Reversal
PCB transfer design	Chain or Belt
Exhaust diameter	200mm*2
Exhaust flow	23m ³ /min + 13m ³ /min
Voltage	AC380/50HZ
Current	30A
Power	5KW
Size (mm)	1200(L) * 1095(W) * 1770(H)
Weight	500kg

Double side UV oven

Min. Size of PCB	50x50mm
Max. Size of PCB	400x400mm
Fixture thickness	0.2-5mm
Top height of fixture	25mm
Bottom height of fixture	50mm
Lamp	Hearuse F300S*4EA
Bulb type	H ; H+ ; D and V
Irradiation width	320mm
Intensity variation cross the width	<10%
UV intensity	1200-2000mw/cm ²
UV energy (UVA:mj/cm ²)	1000-6000(adjustable)
Oven temperature	<90 degrees
Conveyor speed (m/min)	0.4-4(adjustable)
Conveyor height	900±20mm
PCB transfer direction	Forward or Reversal
PCB transfer design	Chain
Exhaust diameter	200mm*3
Exhaust flow	23m ³ /min + 13m ³ /min
Voltage	AC380/50HZ
Current	60A
Power	8.5KW
Size (mm)	2400(L) * 1050(W) * 1800(H)
Weight	800kg



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