

FUTANSI (SHANGHAI) ELECTRONIC TECHNOLOGY CO., LTD

UVLED Curing Equipment

CE  RoHS



Stable performance
Rapid curing
Functional diversity
curing guarantee

2023

04/10

PRODUCT MANUALS

UVLED CURING EQUIPMENT

FUTANSI UVLED Series

Product naming rules

UVSF 81 T(100100 W)

Product series

UVSP=Point light source
UVLN=Linear light source
UVSF=Surface light source
UURL=Ring light source
UVOV=oven
UVCV=pipeline
UVLS=Light shield

Specific classification

80=Prefixed with UVOV, drawer oven
When prefix is UVCV, frame pipeline
81=Point light source, line light source,
surface light source, mask universal series
Prefixed UVOV, Split Oven (Standard)
Prefix UVCV, desktop pipeline
82=Prefixed UVOV, one piece oven
Prefix UVCV, cabinet pipeline

style

T=With touch screen (no T means button type)

Luminous area

2LE6=2 represents the length of the connecting line 2m,
and LE6 represents the lens size 6mm spot
12010=120mmx10mm
100100=100mmx100mm

Product identification

No suffix = air cold
W= water cooling
N= natural cooling
N56= Point light source without fan illuminating head mechanism size 54mm
N86= Point light source without fan illuminator mechanism size 82mm
N106= Point light source without fan illuminating head mechanism size 110mm
A= plus LED detection (point light source all without suffixes, but T style standard with LED detection function)
L= plus real time illumination
M= indicates that the device has multiple types of irradiation heads

UVLED POINT LIGHT

Imported lamp bead high energy

UVSP



Four channel point light source



Eight channel point light source

Product information

UVSP81T PRODUCT PARAMETERS



Controller type
UVSP81T



head cable
SPHD 2-5m



lens
1.5-20mm



Cooling mode
Natural/
fan cooling







wavelength
365/385/395/405nm
customizable

lens (mm)	LE1.5	LE3.0	LE4.0	LE5.0	LE6.0	LE7.0	LE8.0	LE10	LE12	LE16	LE20
Optimum irradiation distance(mm)	7	9	14	16	17	21	27	25	27	38	40
Maximum illumination (mW/cm ²)	10000	8000	5200	4500	4200	2800	2200	1900	1300	800	600

Head selection



 <p>Standard irradiation head SPHD-2LE4N56</p>	 <p>Air cooled irradiation head SPHD-2LE4</p>	 <p>90° right Angle irradiation head LSPHD-2LE4N56</p>	 <p>Side irradiation head RSPHD-2LE4N56</p>
<p>L SPHD-2 LE4 N56 Naming rules for irradiation heads L=90° right Angle R=90° Side without prefix = standard irradiation head SPHD= point light source irradiation head 2= 2m Cable length (2-5m cable length)</p>		<p>LE4= Lens spot size is 4mm (lens size is 1.5mm-20mm optional) No suffix = air cooling (the size of the irradiated head mechanism is fixed at 54mm) N= natural cooling N56= Mechanism size without fan irradiation head 54mm N86= Mechanism Size without fan Irradiation head 82mm N106= Without fan irradiation head mechanism size 110mm</p>	

Effect display



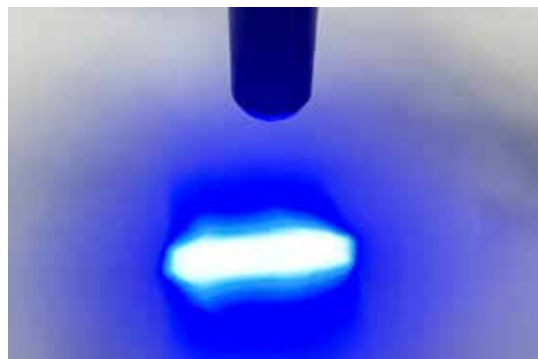
Standard irradiation head



90° right Angle irradiation head



Side irradiation head

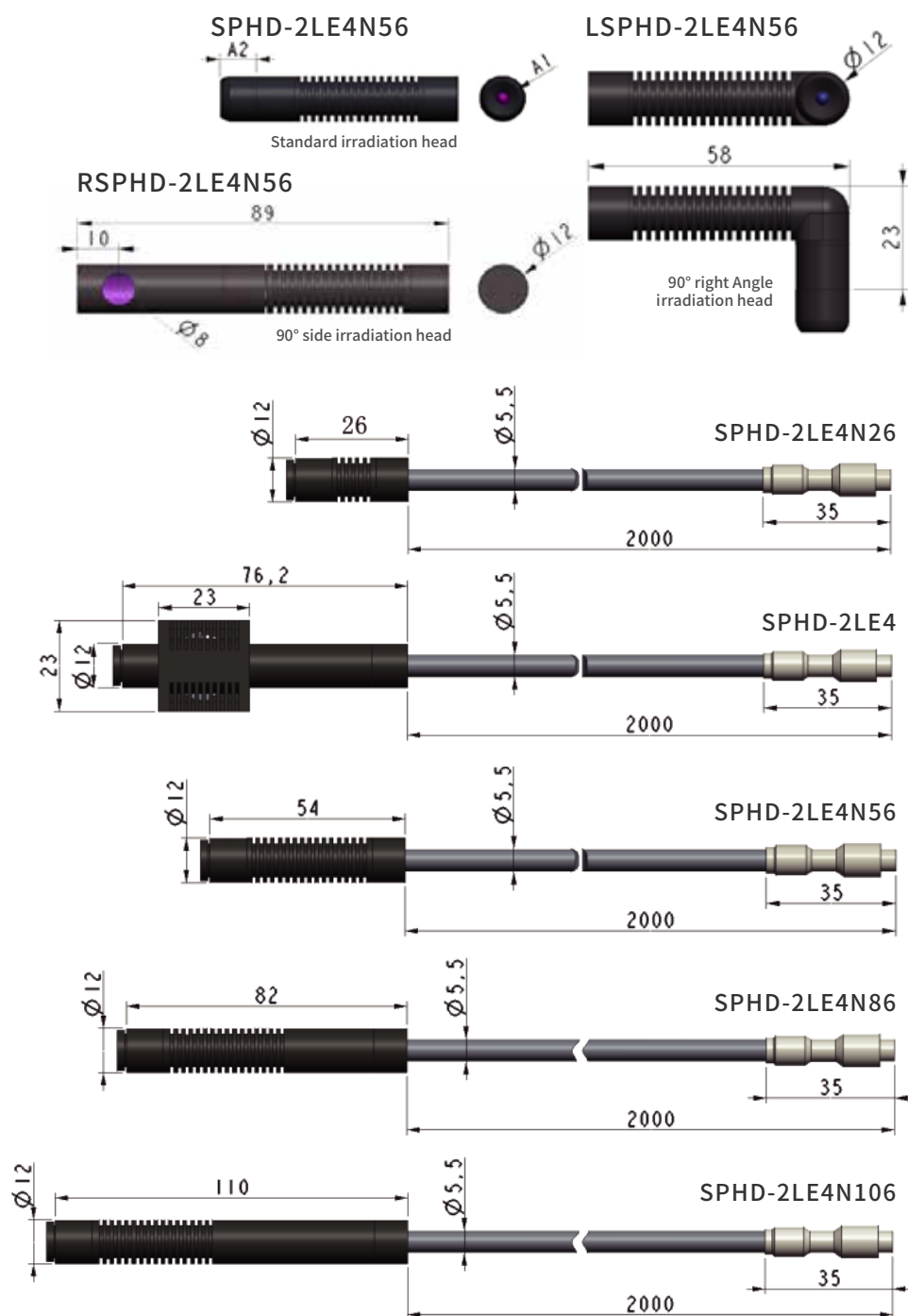


Linear spot irradiation head

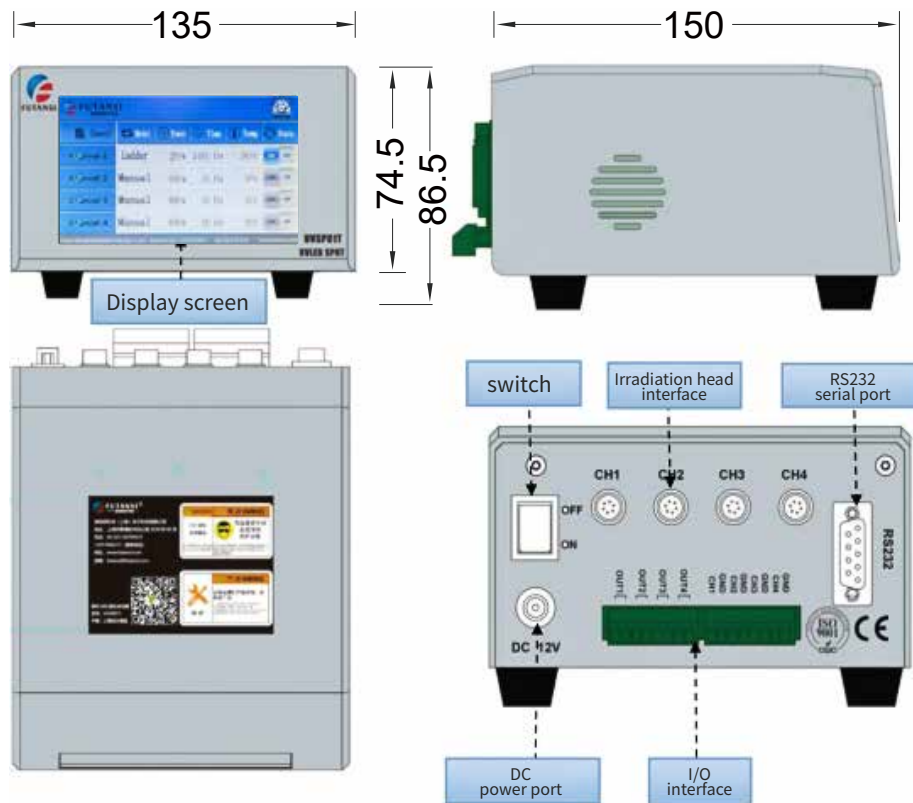
Irradiation head size

A1 (Circular lens) /mm	Ø1.5	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø10	Ø12	Ø15	Ø16	Ø20
A2 (Head size) /mm	12.8	12.8	13.0	12.9	9.6	8.6	9.6	8.6	10.2	9.6	9.6	9.6	8.6

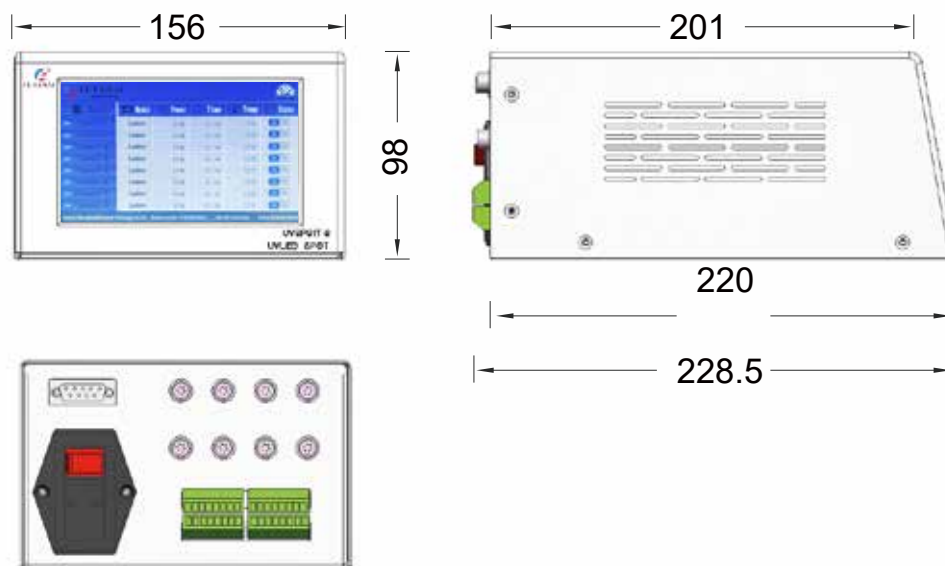
A1 (Linear lens) /mm	LEN3x12	LEN4x18	LEN5x20
A2 (Head size) /mm	10.2	12.8	12.8



Controller dimension



UVSP 81T (FOUR-CHANNEL UVLED POINT LIGHT SOURCE CONTROLLER)



UVSP 81T-8 (8-CHANNEL UVLED POINT LIGHT SOURCE CONTROLLER)

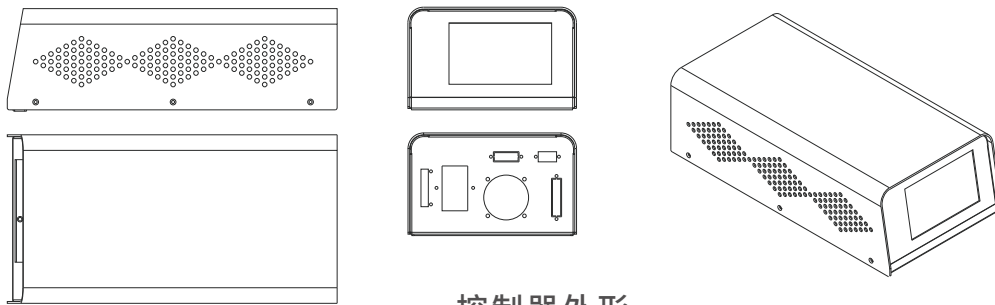
UVLED LINE LIGHT

Low power consumption



Product information

UVLN81T PRODUCT PARAMETERS



控制器外形



Controller type
UVSF81T



Light size
Custom size



Cooling mode
Fan heat
dissipation





wavelength
365/385/395/405nm
customizable

Line-light selection

Selection guide: Controller + irradiation head (1-4 irradiation head, standard product is 20mm-1000mm long, 10-20mm wide, line light source of different sizes can be customized), cooling mode of irradiation head (no suffix = air cooling, W= water cooling)

Controller irradiation head (Air cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
	UVLN81T(2010)	20x10	50-10000	21*30*62
	UVLN81T(2020)	20x20	50-10000	30*30*60
	UVLN81T(3010)	30x10	50-10000	30*60*84
	UVLN81T(3020)	30x20	50-10000	43*66*102
	UVLN81T(5010)	50x10	50-10000	50*70*92
	UVLN81T(5020)	50x20	50-10000	50*70*92
	UVLN81T(7010)	70x10	50-10000	35*95*97
	UVLN81T(7020)	70x20	50-10000	60*95*97
	UVLN81T(10010)	100x10	50-10000	50*120*85
	UVLN81T(10020)	100x20	50-10000	50*140*85
	UVLN81T(13010)	130x10	50-10000	60*190*95
	UVLN81T(13020)	130x20	50-10000	60*190*95
	UVLN81T(15010)	150x10	50-10000	60*190*95
	UVLN81T(15020)	150x20	50-10000	60*170*100
	UVLN81T(20010)	200x10	50-10000	60*240*94
	UVLN81T(20020)	200x20	50-10000	60*250*105
	UVLN81T(25010)	250x10	50-10000	60*290*95
	UVLN81T(25020)	250x20	50-10000	60*270*97
	UVLN81T(30010)	300x10	50-10000	60*390*94
	UVLN81T(30020)	300x20	50-10000	60*350*115
	UVLN81T(35010)	350x10	50-10000	60*390*95
	UVLN81T(35020)	350x20	50-10000	60*390*93.3
	UVLN81T(40010)	400x10	50-10000	60*440*95
	UVLN81T(40020)	400x20	50-10000	60*450*115
	UVLN81T(45010)	450x10	50-10000	60*490*95
	UVLN81T(45020)	450x20	50-10000	60*490*95
	UVLN81T(50010)	500x10	50-10000	60*540*100
	UVLN81T(50020)	500x20	50-10000	60*520*100
	UVLN81T(70010)	700x10	50-10000	60*740*100
	UVLN81T(70020)	700x20	50-10000	76*740*100
	UVLN81T(100010)	1000x10	50-10000	60*1040*104
	UVLN81T(100020)	1000x20	50-10000	60*1040*104

Water cooled linear light

Controller irradiation head (Water cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
 	UVLN81T(5010W)	50x10	50-10000	30*70*59
	UVLN81T(5020W)	50x20	50-10000	35*70*59
	UVLN81T(10010W)	100x10	50-10000	30*120*59
	UVLN81T(10020W)	100x20	50-10000	35*120*59
	UVLN81T(20010W)	200x10	50-10000	30*220*59
	UVLN81T(20020W)	200x20	50-10000	35*220*59
	UVLN81T(30010W)	300x10	50-10000	30*320*59
	UVLN81T(30020W)	300x20	50-10000	35*320*59
	UVLN81T(40010W)	400x10	50-10000	30*420*59
	UVLN81T(40020W)	400x20	50-10000	35*420*59
	UVLN81T(50010W)	500x10	50-10000	30*520*59
	UVLN81T(50020W)	500x20	50-10000	35*520*59
	UVLN81T(100010W)	1000x10	50-10000	30*1015*69.5
	UVLN81T(100020W)	1000x20	50-10000	35*1016*59

UVLED SURFACE LIGHT

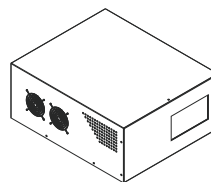
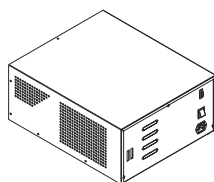
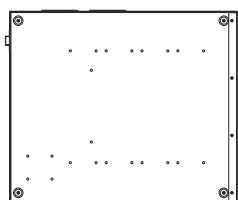
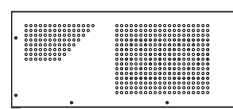
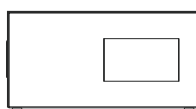
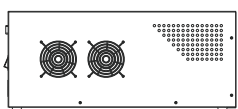
Custom sized light evenly

UVSF



Product information

UVSF81T PRODUCT PARAMETERS



CONTROLLER CONTOUR STRUCTURE



Controller type
UVSF81T



Light size
Custom size







Cooling mode
Fan heat
dissipation



wavelength
365/385/395/405nm
customizable

Surface light selection





Selection guide: Controller + irradiation head (1-4 irradiation head, standard product is 20mm-500mm long, 20-500mm wide, different size surface light sources can be customized), cooling mode of irradiation head (no suffix = air cooling, W= water cooling)

Controller irradiation head (Air cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
	UVSF81T(2020)	20x20	50-10000	30*30*60
	UVSF81T(3050)	30x50	50-10000	60*70*79
	UVSF81T(3070)	30x70	50-10000	60*90*79
	UVSF81T(30100)	30x100	50-10000	60*120*79
	UVSF81T(30150)	30x150	50-10000	60*170*79
	UVSF81T(30200)	30x200	50-10000	65*220*79
	UVSF81T(30250)	30x250	50-10000	65*270*79
	UVSF81T(30300)	30x300	50-10000	65*320*79
	UVSF81T(30350)	30x350	50-10000	65*370*79
	UVSF81T(30400)	30x400	50-10000	65*420*79
	UVSF81T(30450)	30x450	50-10000	65*480*79
	UVSF81T(30500)	30x500	50-10000	65*530*79
	UVSF81T(5050)	50x50	50-10000	70*70*80
	UVSF81T(5070)	50x70	50-10000	80*90*90
	UVSF81T(50100)	50x100	50-10000	80*120*90.6
	UVSF81T(50150)	50x150	50-10000	90*190*90
	UVSF81T(50200)	50x200	50-10000	85*230*100
	UVSF81T(50250)	50x250	50-10000	70*280*100
	UVSF81T(50300)	50x300	50-10000	90*340*92
	UVSF81T(50350)	50x350	50-10000	90*390*91.5
	UVSF81T(50400)	50x400	50-10000	90*440*92
	UVSF81T(50450)	50x450	50-10000	90*490*90
	UVSF81T(50500)	50x500	50-10000	90*550*91
	UVSF81T(7070)	70x70	50-10000	90*90*80
	UVSF81T(70100)	70x100	50-10000	100*130*90
	UVSF81T(70150)	70x150	50-10000	100*180*90
	UVSF81T(70200)	70x200	50-10000	100*230*90
	UVSF81T(70250)	70x250	50-10000	100*280*90

Controller irradiation head (Air cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
	UVSF81T(70300)	70x300	50-10000	100*330*90
	UVSF81T(70350)	70x350	50-10000	100*380*90
	UVSF81T(70400)	70x400	50-10000	100*430*90
	UVSF81T(70450)	70x450	50-10000	100*480*90
	UVSF81T(70500)	70x500	50-10000	100*530*90
	UVSF81T(100100)	100x100	50-10000	120*120*100
	UVSF81T(100150)	100x150	50-10000	130*180*92
	UVSF81T(100200)	100x200	50-10000	120*230*100
	UVSF81T(100250)	100x250	50-10000	120*280*100
	UVSF81T(100300)	100x300	50-10000	120*340*100
	UVSF81T(100350)	100x350	50-10000	124*390*100
	UVSF81T(100400)	100x400	50-10000	124*440*100
	UVSF81T(100450)	100x450	50-10000	124*476*100
	UVSF81T(150150)	150x150	50-10000	180*180*100
	UVSF81T(150200)	150x200	50-10000	170*230*100
	UVSF81T(150250)	150x250	50-10000	170*280*100
	UVSF81T(150300)	150x300	50-10000	190*340*100
	UVSF81T(150350)	150x350	50-10000	170*390*100
	UVSF81T(150400)	150x400	50-10000	174*440*100
	UVSF81T(150450)	150x450	50-10000	190*480*100
	UVSF81T(150500)	150x500	50-10000	190*530*100
	UVSF81T(200200)	200x200	50-10000	230*230*100
	UVSF81T(200250)	200x250	50-10000	230*280*100
	UVSF81T(200300)	200x300	50-10000	230*340*105
	UVSF81T(200350)	200x350	50-10000	230*380*100
	UVSF81T(200400)	200x400	50-10000	230*440*100
	UVSF81T(200450)	200x450	50-10000	230*480*100
	UVSF81T(200500)	200x500	50-10000	224*530*100
	UVSF81T(300300)	300x300	50-10000	340*340*100

Water cooled surface light

Controller irradiation head (Water cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
	UVSF81T(2020W)	20x20	50-10000	70*70*45
	UVSF81T(3030W)	30x30	50-10000	70*70*45
	UVSF81T(3050W)	30x50	50-10000	70*90*45
	UVSF81T(30100W)	30x100	50-10000	80*145*26.2
	UVSF81T(30150W)	30x150	50-10000	70*200*34
	UVSF81T(30200W)	30x200	50-10000	80*250*34
	UVSF81T(30300W)	30x300	50-10000	80*350*34
	UVSF81T(30400W)	30x400	50-10000	80*450*34
	UVSF81T(30500W)	30x500	50-10000	80*550*34
	UVSF81T(4040W)	40x40	50-10000	70*70*45
	UVSF81T(5050W)	50x50	50-10000	90*150*34
	UVSF81T(50100W)	50x100	50-10000	90*100*34
	UVSF81T(50150W)	50x150	50-10000	90*200*40
	UVSF81T(50200W)	50x200	50-10000	90*250*40
	UVSF81T(50300W)	50x300	50-10000	90*350*40
	UVSF81T(50400W)	50x400	50-10000	80*450*24.5
	UVSF81T(50500W)	50x500	50-10000	90*585*37.5
	UVSF81T(7070W)	70x70	50-10000	110*120*34
	UVSF81T(70100W)	70x100	50-10000	110*150*40
	UVSF81T(70150W)	70x150	50-10000	110*200*40
	UVSF81T(70200W)	70x200	50-10000	110*250*40
	UVSF81T(70300W)	70x300	50-10000	110*365.5*40
	UVSF81T(70400W)	70x400	50-10000	110*465.5*40
	UVSF81T(70500W)	70x500	50-10000	110*565.5*40

Controller irradiation head (Water cooling)	Model number	Light size (mm)	Light intensity (mW/cm ²)	dimension (mm)
	UVSF81T(100100W)	100x100	50-10000	135*160*40
	UVSF81T(100150W)	100x150	50-10000	140*211*40
	UVSF81T(100200W)	100x200	50-10000	130*250*40
	UVSF81T(100300W)	100x300	50-10000	140*361*40
	UVSF81T(100400W)	100x400	50-10000	160*480*41.7
	UVSF81T(100500W)	100x500	50-10000	135*580*40
	UVSF81T(100600W)	100x600	50-10000	140*661*40
	UVSF81T(150150W)	150x150	50-10000	240*265*37
	UVSF81T(150200W)	150x200	50-10000	190*260*40
	UVSF81T(150300W)	150x300	50-10000	200*380*39
	UVSF81T(150350W)	150x350	50-10000	230*410*39
	UVSF81T(150400W)	150x400	50-10000	230*460*39
	UVSF81T(150600W)	150x600	50-10000	200*600*39
	UVSF81T(200200W)	200x200	50-10000	240*260*41.5
	UVSF81T(200350W)	200x350	50-10000	236*425*40
	UVSF81T(200400W)	200x400	50-10000	260*485*39
	UVSF81T(200500W)	200x500	50-10000	300*560*40
		UVSF81T(250250W)	250x250	50-10000
UVSF81T(250300W)		250x300	50-10000	320*390*39
UVSF81T(300300W)		300x300	50-10000	360*390*37
UVSF81T(300400W)		300x400	50-10000	290*460*37.2
UVSF81T(400400W)		400x400	50-10000	500*535*37.5

UVLED PARALLEL LIGHT

Wafer degluing parallel light



Product information

UVSF81T PRODUCT PARAMETERS



Controller type
UVSF81T



Light size
58*78mm
116*156mm
174*234mm



Cooling mode
Fan heat
dissipation



wavelength
365/385/395/405nm
customizable

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVSF81T	150-200mm	200mw/cm ²	150W	Air-cooled

UVLED OVEN

Research laboratory testing



Product information

UVOV81T PRODUCT PARAMETERS



Controller type
UVSF81T



Light size
Custom size



Cooling mode
Fan heat
dissipation



wavelength
365/385/395/405nm
customizable

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVOV81T	200*200mm	50-7000 mw/cm ²	1200W	Air/water cooled

UVLED NITROGEN OVEN

Anaerobic vacuum oven



Product information

UVOV82T PRODUCT PARAMETERS

Functional features:

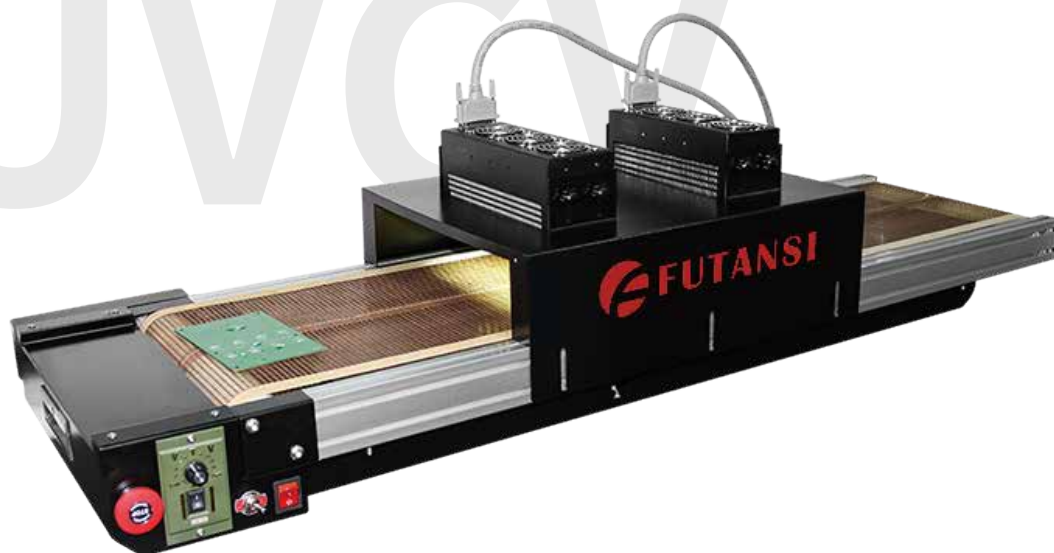
Futansi UVLED nitrogen filled oven, also known as inert gas protection UV curing box, is a new type of UVLED light curing equipment, through the external nitrogen to create an oxygen free clean environment.

Nitrogen-filled UVLED oven is equipped with nitrogen import and export device, can accurately control the flow of nitrogen into the box, quickly plug and pull nitrogen charging interface, convenient nitrogen into, at the same time through the control of nitrogen flow, so that nitrogen can be fully used.

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVOV82T	500*200mm	50-7000 mw/cm ²	4000W	Water cooling

UVLED DESKTOP

Tabletop pipeline curing machine



Product information

UVCV81T PRODUCT PARAMETERS

Functional features:

Futansi desktop UVLED curing machine in the work can be connected with the production line, with the production line, to achieve rapid curing effect.

The need for curing equipment through the desktop UVLED curing machine, so that it is fully irradiated by the UVLED light source, so that the glue or ink on the equipment contained in the photoinitiator reaction, in a few seconds to complete the curing.

The equipment has the advantages of small size, high curing efficiency, uniform illumination, and so on. It has been recognized and supported by many well-known enterprises!

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVCV81T	200*100mm	50-7000 mw/cm ²	800W	Air/water cooled

UVLED CURING FURNACE

Tunnel type uv curing machine



Product information

UVCV81T PRODUCT PARAMETERS

Functional features:

The UVLED curing furnace produced and developed by Futansi Electronic Technology adopts imported LED lamp beads, which has the advantages of high energy, uniform illumination and stable light source. The number of UVLED surface light source illuminating head (1-4) can be selected according to the needs of use.

UVLED curing furnace can be used for UV glue, ink, light oil, paint, coatings and other photosensitive materials curing effect, make its surface shiny, with good weather resistance, water resistance, friction resistance, acid and alkali resistance and other high strength protection.

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVCV81T	600*150mm	50-7000 mw/cm ²	5000W	Air/water cooled

DEGUMMING MACHINE

Wafer chip degumming



Product information

UVJIM80T PRODUCT PARAMETERS

Functional features:

UVLED gluing machine is a kind of UV curing equipment which can cure the surface of wafer chip with UV film, so as to complete the automatic gluing of wafer chip. It is a kind of cold light source LED curing lamp.

It is mainly used in the production and processing process of semiconductor chips. Before the chip slicing, the wafer needs to be fixed on the frame with the slicing film. After the slicing process is completed, the UV light source is needed to irradiate the fixed slicing film, so that the UV glue on the film is cured, which is convenient for the subsequent packaging process of wafer slicing.

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVJIM80T	6/8/10/12寸等	50-7000 mw/cm ²	400W	Air-cooled

CONNECTION STATION

PCB board SMT connection type



Product information

UVPC81T PRODUCT PARAMETERS

Features: UVLED connection platform adopts automatic operation mode, stable quality, powerful function, reliable quality PLC main control, and the assembly line supporting use, can realize automatic loading and unloading, automatic working mode, effectively save labor cost;

Application: Mainly used in microelectronics industry, camera modules, mobile phone components, liquid crystal modules, PCB circuit boards, capacitors, LED electronic chips, motor lines and other products surface material curing;

Product advantages: Futansi SMT connection platform type UVLED curing machine has the advantages of small volume, high production efficiency, low power consumption, high temperature control precision, in line with the requirements of modern production line;

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
UVPC81T	200*200mm	50-7000 mw/cm ²	5000W	Air-cooled

UV OFFSET CURING

Printing ink UV offset printing



Product information

FTS-Pro PRODUCT PARAMETERS

Futansi Electronic Technology is the first to introduce the new UVLED into the high-end offset printing press market. Its research and development team has created a complete set of integrated curing system FTS-Pro based on the original UVLED optical curing technology. The system realizes the localization of high-end offset printing press LED UV curable light source, reaching the remote 100mm instant curing, green, energy saving, no VOC emission requirements, and realizing the segmentation control, to achieve the effect of energy saving and environmental protection.

Model number	Irradiation distance	Light intensity	Electric power	Cooling mode
FTS-Pro	40-120mm	>20 W/cm ²	150W/cm 380W/in	water cooled

UVLED⁺ Curing light

Partial product display

UVLED curing light source



Point light lens



Drag four small line light sources



Custom UVLED line light source



UVLED mouth light source



UVLED inner ring light source

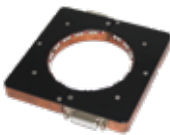


Custom UVLED face light source

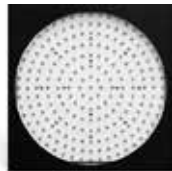
UVLED irradiation head



Ring light
($\phi 15$)



Ring light
($\phi 80$)



Circular light
(200x200)



90x20
(Water cooling)



180x20
(Water cooling)



100x100



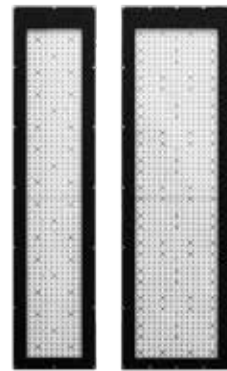
300x100



550x450



400x200
(Water cooling)



600x100/150
(Water cooling)



960x50

Oven curing furnace



Rotating three - sided irradiation oven



One-piece oven



Fully automatic uvled scanner



Laboratory rotary oven



PLC line curing furnace



uvled cross connection

Other products



uv irradiance meter



In-line illuminometer



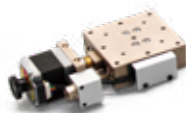
10 probe illuminometer



uv energy meter



Hand slide



Electric slide



Six - dimensional adjusting frame



Probe stand



Precision alignment coupling system



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***GREAT ENTHUSIASM
FOR UV CURING!***