

User Manual

MD-C01 UV Curing Machine

*Please read this guide carefully before using this machine



Shenzhen MINGDA Technology Co., Ltd.

V1.0

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Instructions:

1. After receiving your machine, if any accessories are missing, please contact customer service in time to replace.
2. Do not try to use this machine in any method not described in the manual, so as to avoid accidental personal injury or property damage.
3. It is strictly forbidden to disassemble or modify this machine without authorization.
4. Please use this machine in a spacious, flat and well-ventilated environment.
5. Use the specified power supply voltage. Do not connect multiple devices to the machine's power outlet to avoid overload.
6. Make sure the machine is properly grounded, Or it may cause electric shock, fire or electromagnetic interference.
7. Contact your after-sales or local service before disassembling or repairing the machine by yourself. Check the "Support" section in the User Guide.
8. Please do product maintenance regularly to clean the machine from dust, foreign matter on the guide rail, etc.
9. It is recommended to use the power cord that came with the machine. Do not damage, cut or repair the power cord. Damaged power cords present a risk of fire or electric shock. Please replace the damaged power cord with a quality-certified power cord. Do not allow metal or liquid to come into the machine and contact with the internal parts of the machine. It may cause fire, electric shock or other serious accident.
10. Children under 10 years old are not recommended to use this machine.

Brief Introduction

MD Industrial UV optical solid machine will adhere to the design concept from simple to extreme. Even if you have never used the UV -optical curing machine, you can quickly and easily solidify the products you need.

User-Guide Instructions

This user guide has been carefully arranged and is divided into "security", "maintenance" and "use" for customers to read and understand. Please read these content carefully so that you can make full use of your curing machine.

Learn More Information

This guide provides information as following topics:

1. Security statement
2. Parameter information
3. Detailed instructions

You can also find more information on the official website

<http://www.3dmingda.com>

Safety Precautions

The following precautions can ensure that customers use UV -optical solidifiers correctly and protect the curing machine from being damaged. Please always abide by these preventive measures.

1. Use the prescribed power supply voltage. Do not connect multiple devices to the power socket of the curing machine to avoid overload.
2. Make sure that the curing machine is correctly grounded, otherwise it may lead to electric shock, fire or electromagnetic interference.
3. Before disassembling or repairing the curing machine by yourself, contact your after -sales or local service personnel. Do not modify the circuit and electrical equipment by yourself.
4. It is recommended to use the power cord that comes with the curing machine. Do not damage, cut or repair the power cord. The damaged power cord is in danger of fire or electric shock. Please replace the damaged power cord with a quality -certified power cord. Do not let the liquid enter the curing machine and contact the internal components of the curing machine to prevent the liquid from contacting the UV lamp tube and cause damage.
5. UV lights from UV lights have strong damage to the human body and human eyes. When used, please turn off the door and start, or wear protective glasses.
6. In the production and operation of this machine, there is strictly prohibiting any fireworks around the machine, otherwise it will easily cause a fire accident.

This guide contains the following categories.



Note: potentially dangerous situation, if not avoided, may result in minor or moderate injury.



Warning: potentially dangerous situation, if not avoided, may result in serious injury.



High temperature surface: The high temperature surface symbol indicates the presence of high temperature equipment. When working near hot parts, be careful and wear safety gloves.



Gloves: When performing some maintenance procedures, the machine may be hot, so need to use gloves to avoid burns.



Safety glasses: Please wear safety glasses to avoid eye injury.



Lifting hazard: Two or more people should cooperate when lifting, so as not to cause serious injury.



Recycling: Use the correct method to recycle abandoned UV glue and curing materials.



ESD: Use standard electrostatic discharge (ESD) precautions when working with or near electronic components.

Equipment parameters

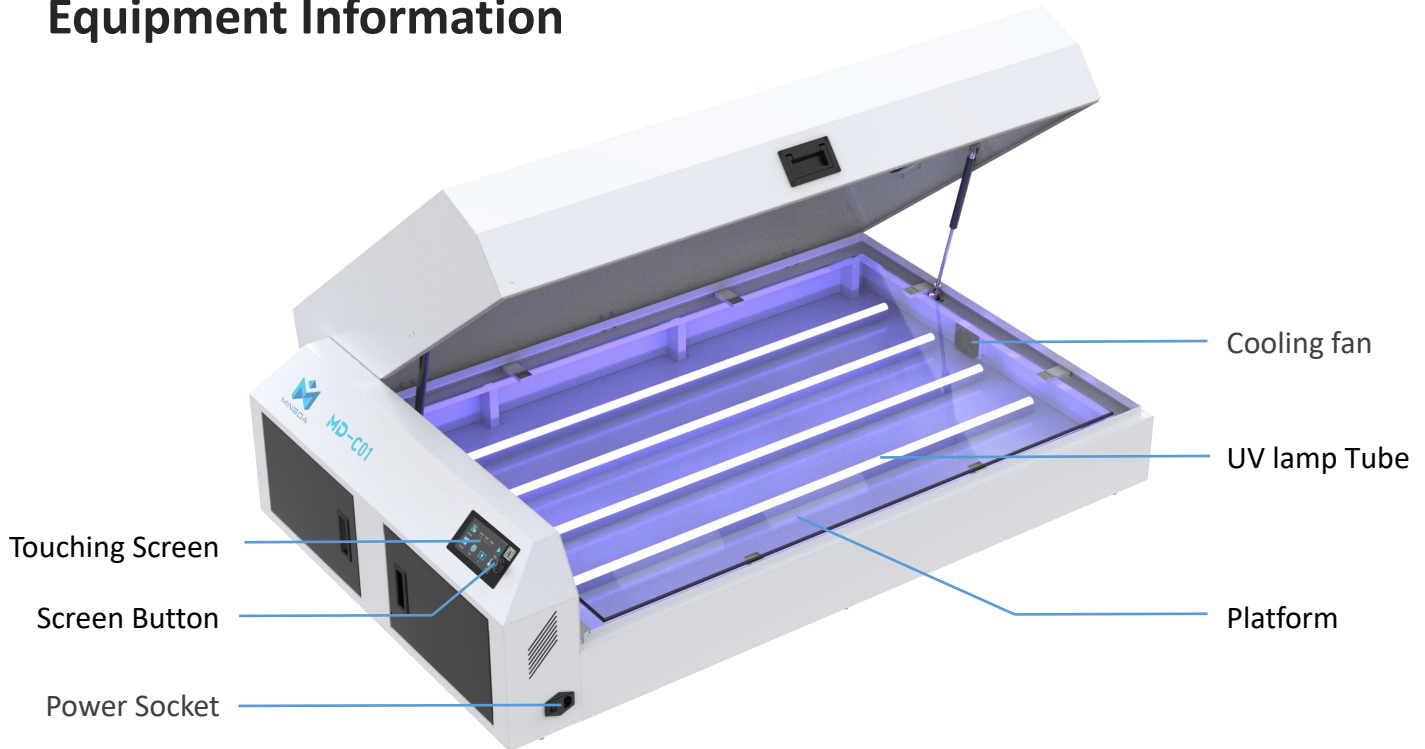
Model	MD-C01
Voltage	AC 110-230V 50Hz
UV lamp number	5
UV light specification	1.2M
Band	365-370nm
UV light net weight	280g
Single UV light power	36W
UV light work temperature	50-60°C
Curing capacity	800mm-1200mm
Machine size	930*1500*383mm
Curing power	310W

In daily use, the time of curing of acrylic glue with different concentrations will be different. Generally, it is divided into three cases:

1. Transparent (translucent) glue: curing time is about 40 minutes.
2. Milky white glue: curing time is about 60 minutes.
3. Toning glue (high concentration glue with color paste added): curing time is about 90 minutes.

Note: The glue of different concentrations, thickness, and color will have a certain impact on the curing time.

Equipment Information



The power cord is connected to the "**Power Socket**", open the Power Socket switch, and press the "**Screen Button**" 3S to start the curing machine.

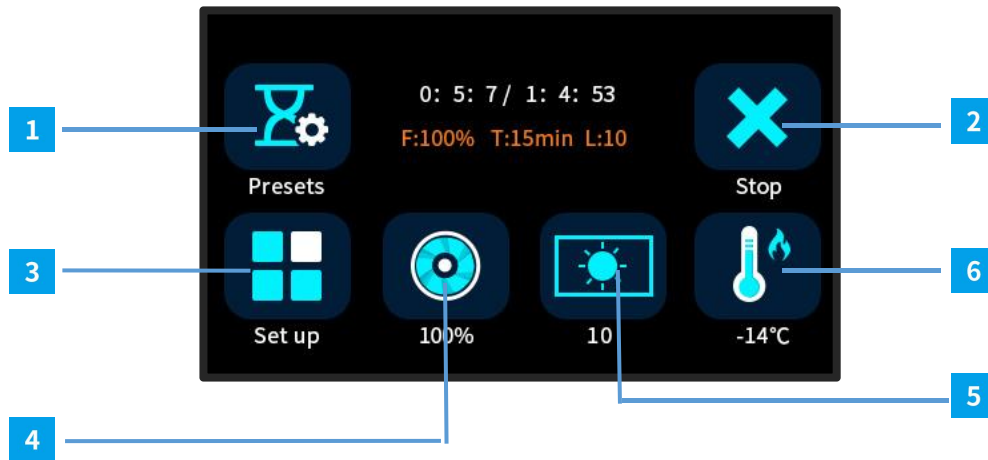
Note: Be sure to put the curing machine on the flat surface. Otherwise, during the curing process, the UV glue flow is caused by the unevenness of the glass platform, resulting in uneven thickness in the process of curing, which affects the quality of curing.

There is cooling fan in the machine, which effectively performs heat dissipation ventilation

Curing instructions:

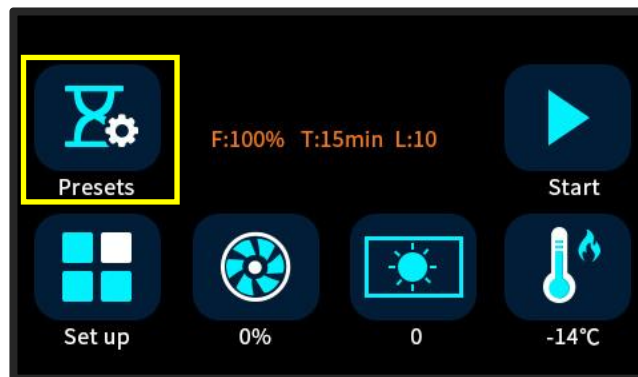
1. Before curing, the glass should be kept clean.
2. Before curing, it is necessary to prevent deformation and looseness of the model, and to avoid leakage and deformation of the model.
3. When applying glue, it is necessary to evenly apply glue.
4. After curing, pour a small amount of water onto the curing platform until the model naturally falls off (do not forcefully remove the model as it may cause damage).

Interface operation introduction



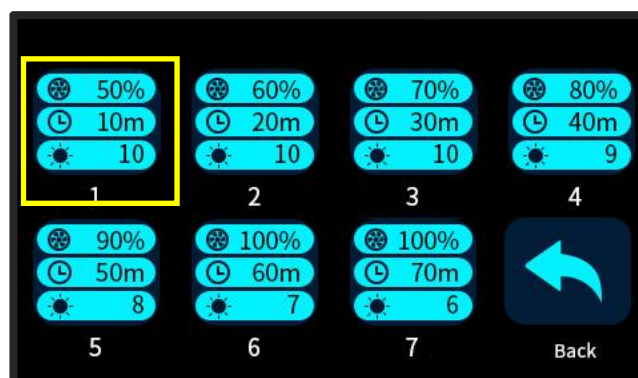
	Main interface	Explain
1	<u>Presets</u>	Curing parameter settings
2	<u>Start/Stop</u>	Machine start and stop buttons
3	<u>Set up</u>	"Automatic shutdown" and "switch door sensor detection" are set in "Set up"
4	<u>Fan</u>	Fan control
5	<u>UV light</u>	UV light control
6	<u>Temperature</u>	Solid environmental temperature display

Interface operation introduction



Presets: It can set the fan strength, Curing time, and UV light strength. Selecting the required parameters can directly start curing.

Start: Starting button



represents "Fan strength"



represents "Curing time"



represents "UV lamp intensity"

You can choose the parameters on the interface; You can also hold down the parameters in Presets for a long time to make changes and set them according to your own needs.

[Note: Long press for more than 3 seconds]



Shenzhen MINGDA Technology Co.,LTD
www.3dmingda.com



Shenzhen MINGDA Technology Co., Ltd



Tel: 0086-13530306290

Email: support@3dmingda.com

www.3dmingda.com

Address: 3 / F, No. 20, Dahe Industrial Zone, Longhua District,
Shenzhen, 518110, Guangdong Province, China.

