

you can
WANHAO

GR1
GADOSO REVOLUTION 1
PRODUCT BROCHURE



Technical Specifications	
Machine Type	DLP (Digital Light Processing) 3D Printer
Light Source	405-410nm Wavelength UV Lamp
With Cover or Not	Tilt Hood with Transparent Cover UV Safe
Max Print Area	140*78*200 mm
Max Print Speed	Up to 30mm/hour
Software	GR1 Workshop , all .stl Files
Material Support	405-410nm Wavelength Resin
Case Material	Steel Case
LCD Screen Size	6.33 Inch
Packing Size	34.5*37*52cm
Accuracy	X:140/2560=0.055 mm Y:78/1440=0.055 mm Z:0.035~0.1mm
Layer Thickness	35-100 micron
Net Weight(kg)	12.5kg
Gross Weight(kg)	14.5kg
Certification	CE,CB, FCC
Platform Holder	1 Bolt Adjusting System
Power Supply Unit	Inside 110 AND 220V(Auto Switch), 50/60Hz, 4.5A (input), and takes standard IEC Cable
Typical application	<ul style="list-style-type: none">• Prototyping, Modeling, Jewelry, Dentistry, Gaming and Art.• Great for Professional use or DIY hobbyists.



GADOSO REVOLUTION 1

Intelligent printing function,
more advantages waiting your exploration.

GADOSO REVOLUTION 1

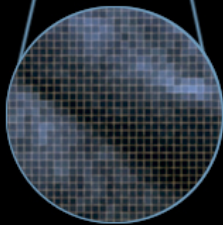
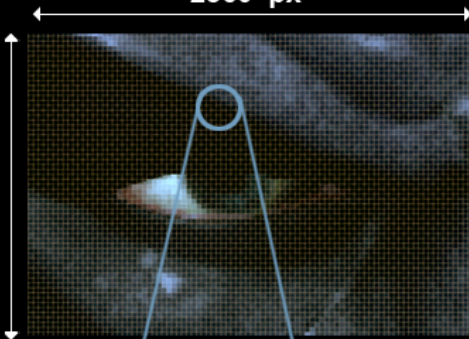
Super lighting curing system LCD UV DLP 3D PRINTING

WANHAO equip the GR1 with 2K HD high resolution customize LCD screen. Ultra 150W UV light, and MM optical stop sensor system which is 3 times sensitive than normal mechanical switch. Not to mention the contrast ratio is 89% higher than normal LCD printers. No matter tooth printing, mechanical parts, jewelry printing, the incomparable printing quality will satisfied.

2K HD

2560 px

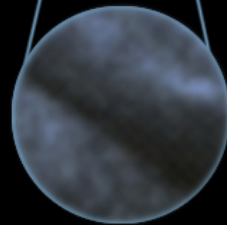
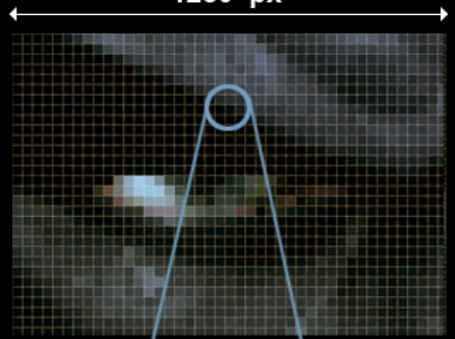
1440 px



HD

1280 px

720 px



23% LARGER PRINTING SIZE INCREASE, COMPARING WITH WANHAO D7.

Unlike the traditional FDM printer which has the single extruder extruding continuously. Or the SLA printer that has single laser beam. GR1 can print one full layer at a time. At same time, WANHAO customize array light has 9% extra power than the normal resin 3D printer.



We keep improving the WANHAO software and mechanical system. The GR1 can print up to 40mm/hour. For object size 1.3 x1.3 x1.3 inch, you can print 14 of them within one hour. Meanwhile the full build volume can reach 140*78*200 mm.

GADOSO REVOLUTION 1

**UV-LED ARRAY
UNIFORMTRIX
TECHNOLOGY**

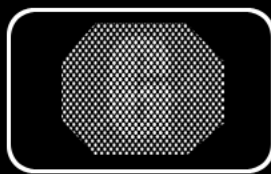
**WITH
OPTICAL
UNIFORMITY**

89%

The laser SLA or conventional DLP with Jerry-built projectors has distortion rate. With WANHAO uniformtrix technology UV-LED array, the printing tolerance is less than 29um.

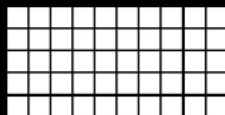


GR1

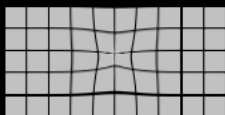


OTHER

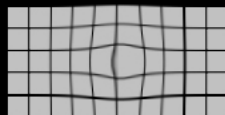
Conventional light source gathered at center of printer which cause the light uneven at different spot of LCD panel. WANHAO Uniformtrix technology resolved this issue perfectly that the uniform light goes across the LCD panel without any distortion.



GR1



DLP

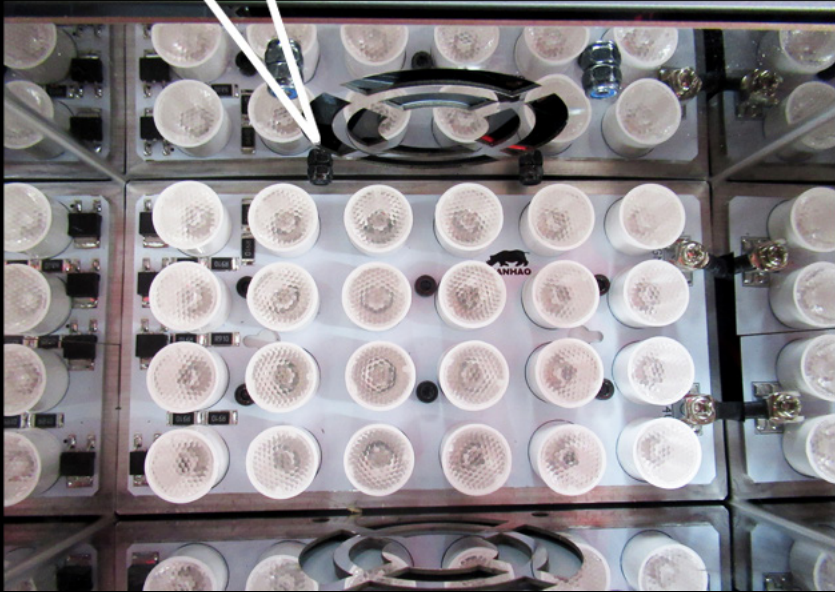


SLA

GADOSO REVOLUTION 1

UNIFORMTRIX ARRAY SYSTEM

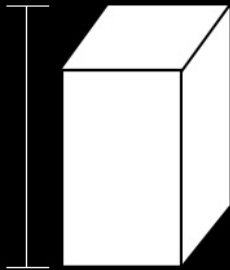
Compared with the single center UV lamp, WANHAO 24 lamps Array Uniformtrix system provide 3 times more even UV lighting. Each light beam penetrate straight through LCD window providing incomparable sharp light curing. Quick replacing light board providing most economical way to revive your printer after UV light decay.



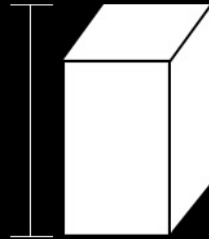
GADOSO **REVOLUTION 1**

6.33 INCH 2K LCD SCREEN

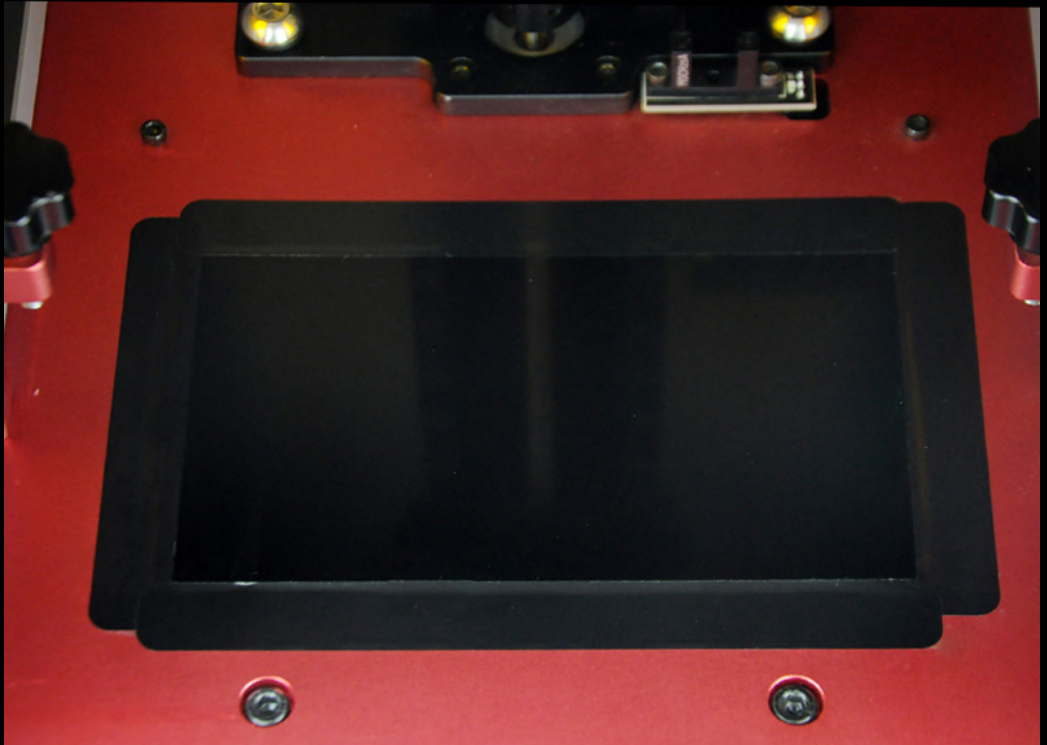
Printing size increased by 23% compared with 5.5 inch printer; 2K LCD Screen provides very precise printing details.



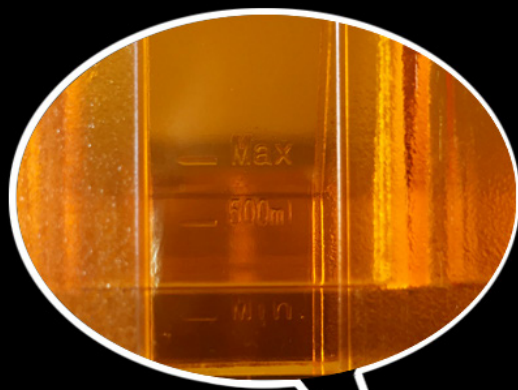
6.33 INCH



5.5 INCH

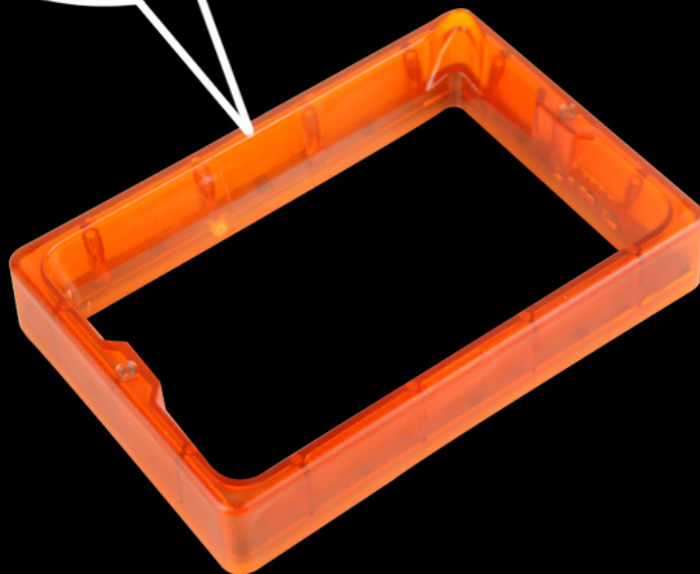


GADOSO REVOLUTION 1



V AT WITH CHECKING WINDOW

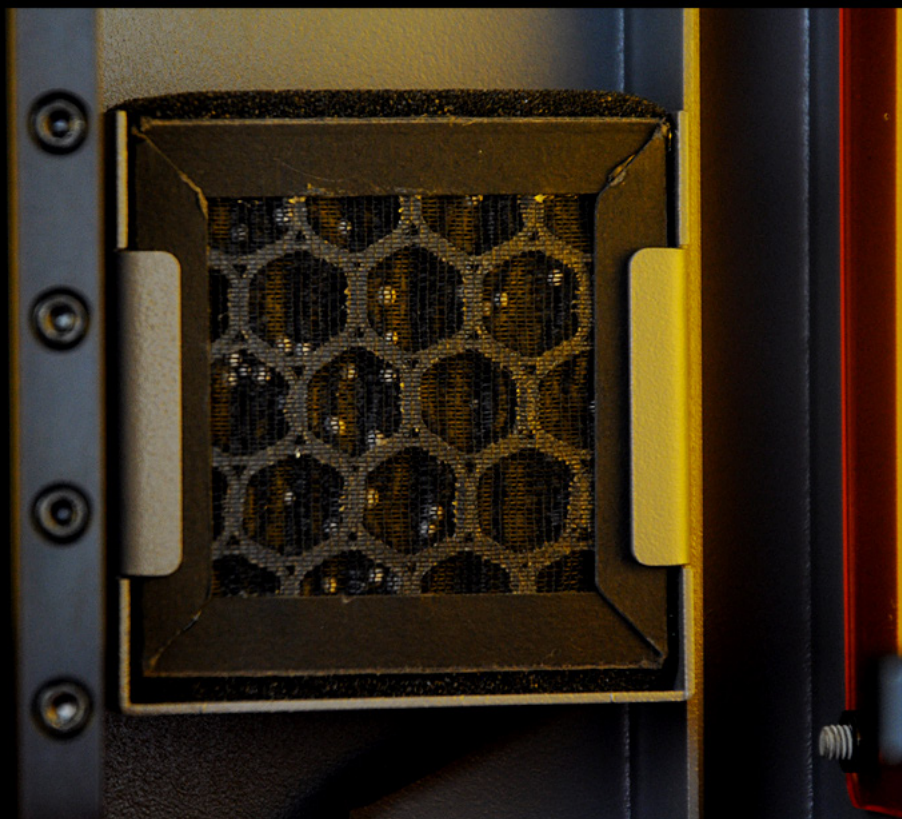
We are excited to inform you that you can check if the prints are sticking to the printing build plate. The small transparent window not only enable resin level checking, but you can see the printing object are well printed or not.



GADOSO REVOLUTION 1

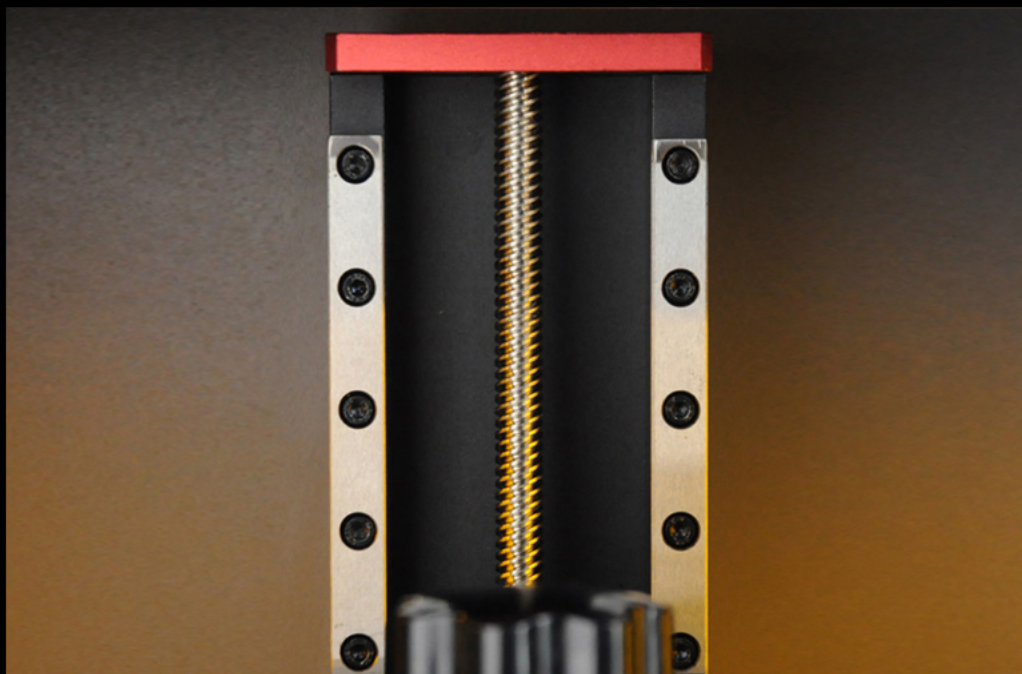
C **ARBON AIR FILTER**

Inner Air-Purification System with
Activated Carbon. Your health, we care.



DUAL-Z AXIS RAILS

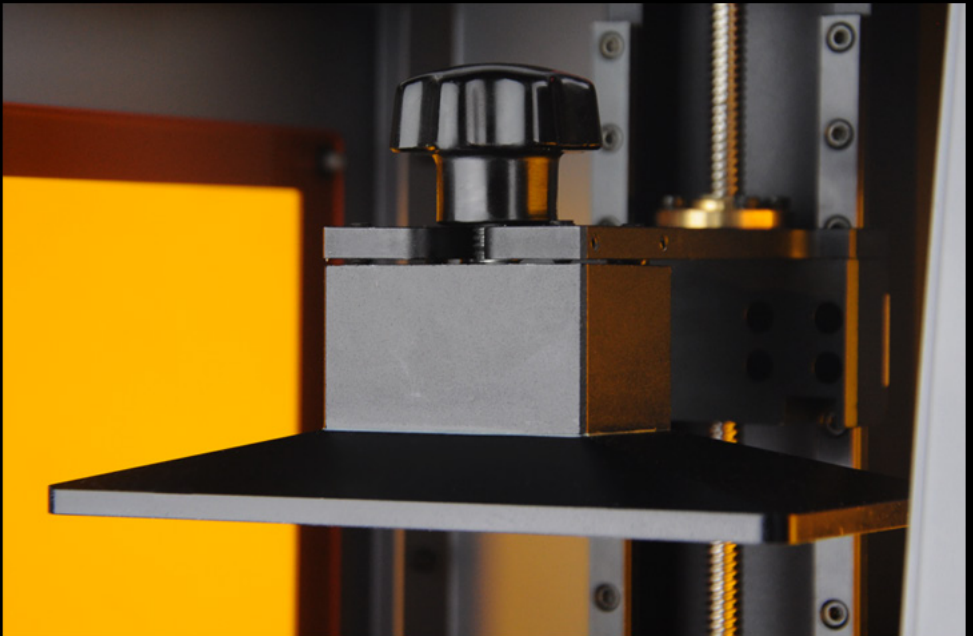
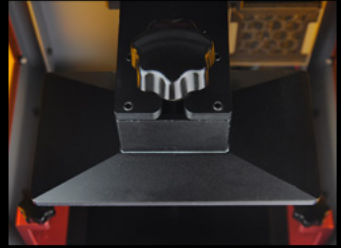
More accurate double Z axis linear rail. Not only provide more stable Z axis moving but smoother the prints surface.



GADOSO REVOLUTION 1

ONE TIME LEVELING FOR FOREVER

Once you receive the printer. 4 Points level the printer would ensure all the prints levelled.



GADOSO REVOLUTION 1

The screenshot displays the GR1 Workshop (2.0.6.2) interface. At the top, there is a menu bar with 'File', 'Edit', 'View', and 'Help'. Below it is a toolbar with icons for Configuration, Import, Layout, Supports, Preview, and Export. The main workspace shows a 3D model of a green lion. On the left, a sidebar contains icons for 'objects', 'copy', 'hide', 'clipping', 'raft', and 'hollow'. On the right, a 'Supports' panel is open, showing '0 selected supports' and a 'Cone' support type. The 'Cone' settings include: Diameter (0.8 mm), Tip Diameter (0.3 mm), Tip (2.9 mm), Overhang (23°), and Interval (3.0 mm). Below these settings is a green button labeled 'Add Auto Supports'. At the bottom right, a 'Generate Bracings' button is visible. The bottom of the interface shows a list of items: 'Gadoso Revolution 1', 'Wanhao Standard (official)', 'Black', and '25 um'.

G **GR1 WORKSHOP**
DEVELOPED BY WANHAO, QUICKER
SLICING & EASIER FOR USING.

Gadoso Revolution 1
Wanhao Standard (official)
Black
25 um

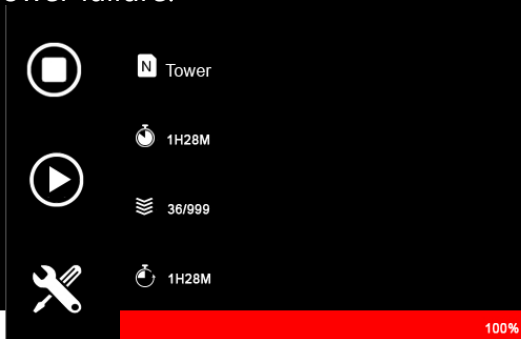
MULTI-LANGUAGE

Seven languages for choosing , more friendly to users



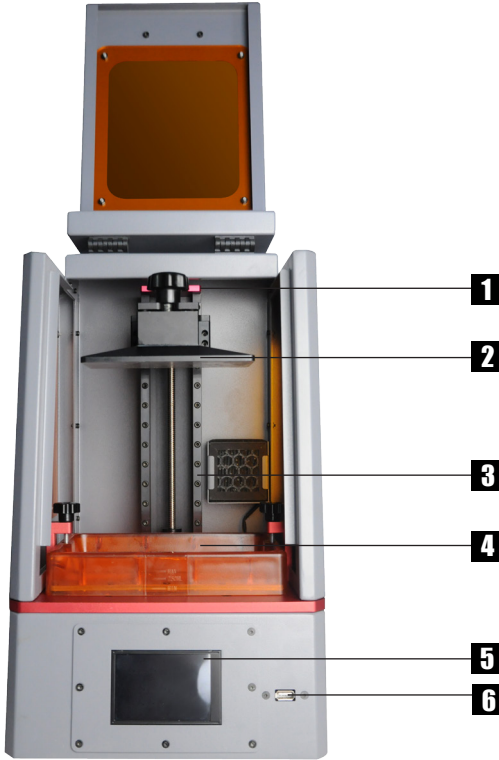
BREAK-RESUMING

Resume printing in case of power failure.

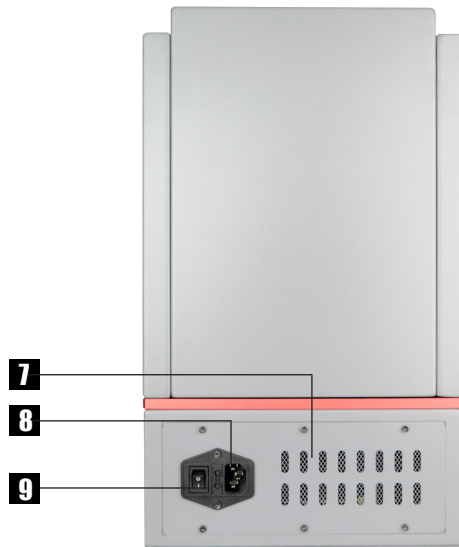


VISUAL PREVIEW



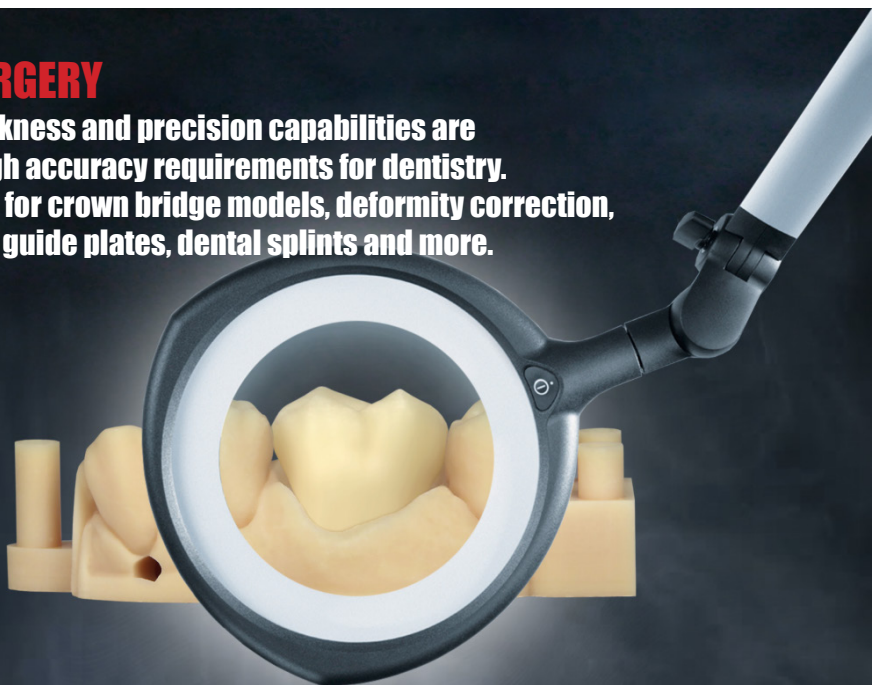


- 7. Back Cover
- 8. Power Switch
- 9. Power Plug



DENTAL SURGERY

GR1's print thickness and precision capabilities are suitable for high accuracy requirements for dentistry. It is applicable for crown bridge models, deformity correction, dental surgery guide plates, dental splints and more.



PRINT BY BLUECAST



JEWELRY INDUSTRY

Custom-made jewelry through GR1 allows personalized rings, necklaces, cufflinks, and more to be produced as quickly and cost efficiently as mass production.

GADOSO REVOLUTION 1

Complex patterns with precision for jewelry, dentistry, and model hobbyists.

WANHAO's affordable 3D printers makes high product quality accessible for commercial use and hobbyists. Our highest resolution DLP LCD screen combined with WANHAO jewelry resin provides both direct casting of patterns with complex geometric shapes, or replacement of manually made silver masters for HTV or RTV molding.



PRECISION AND ACCURACY

Stunning symmetry, exact wall thickness and extreme detail.



DIRECTLY CASTABLE

100% castability in gold, silver, platinum and all castable materials.



HIGH QUALITY PRINTING

Easily make jewelry and dentistry products with less waste and failures.



SUPERIOR SURFACE FINISH

Pristine, smooth wax models require virtually no finishing.



EASY TEAR OFF SUPPORTS

Auto-generated support easy to remove and sand smooth.



THE BEST RESIN CHOICE

Fast burn out, no thermal expansion and no ash or residue.



INTUITIVE 3D PRINTER SOFTWARE

Refined software makes design to print easier than ever before!



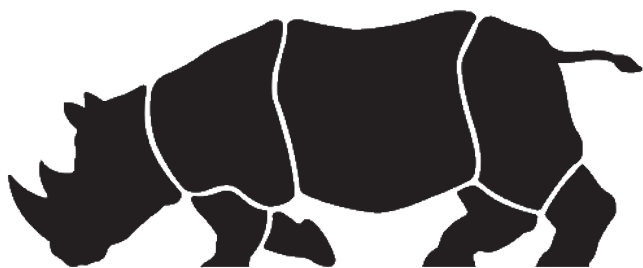
INCREASED PROFITABILITY

Create custom parts at efficient mass production cost.



DESIGN FREEDOM

Create and innovate without limits! Eclipse your competition with WANHAO.



WANHAO

As always, if you run into any trouble with the printer, please contact us at support@wanhao3dprinter.com. Happy printing!

REVA