

MIDAS

The Next Chapter in Restorative 3D Printing Quick Start Guide

Rev8 - 111224

Congratulations!

You've just unboxed the future of restorative dentistry. Midas operates a little differently than other printers, so read this guide in its entirety before printing.

We're so excited to see how you use Midas to push the boundaries of dentistry!

Training

SprintRay University provides personalized virtual and in-person courses designed to maximize your printing experience.

Support

If you have questions about your new products, please reach out to SprintRay:

Visit	support.sprinray.com
Chat	sprinray.com/chat
Email	service.eu@sprinray.com



Sign Up account.sprinray.com

Sign Up with SprintRay

Your SprintRay account is used for sending print jobs, ordering designs.

 You'll need a SprintRay account to send print files to Midas.

Fast, Simple Restoration Design

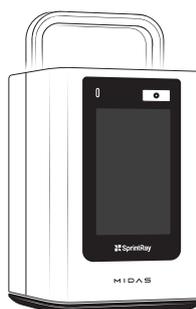
AI Studio combines your dental expertise with AI speed to create customizable restorations ready to print in just a few minutes. Studio is completely free to access, and your Midas purchase includes a free trial with unlimited exports.

Visit sprinray.studio

Cloud Design offers a hands-off experience for complex cases including implant restorations, anterior cases, veneers, and much more.

Visit dashboard.sprinray.com

Unbox



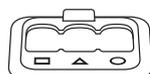
Midas 3D Printer



Cleaning Cloth



Support Snipper



Capsule Template



Gloves



Documentation

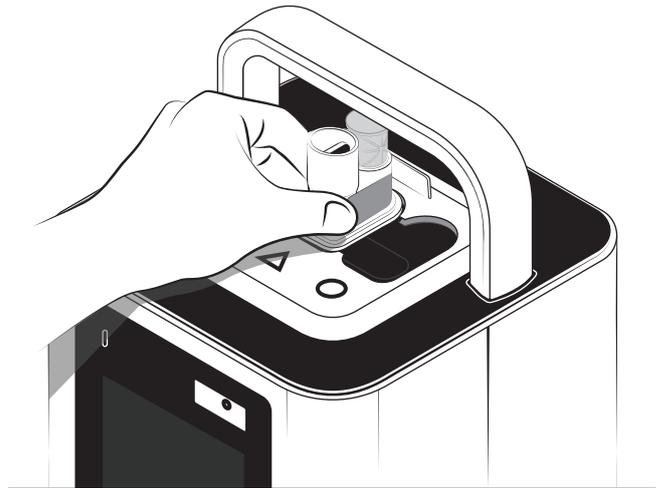


Power Cable

4 Place on the Template

Place the capsule on the print glass in the template slot indicated by the touchscreen.

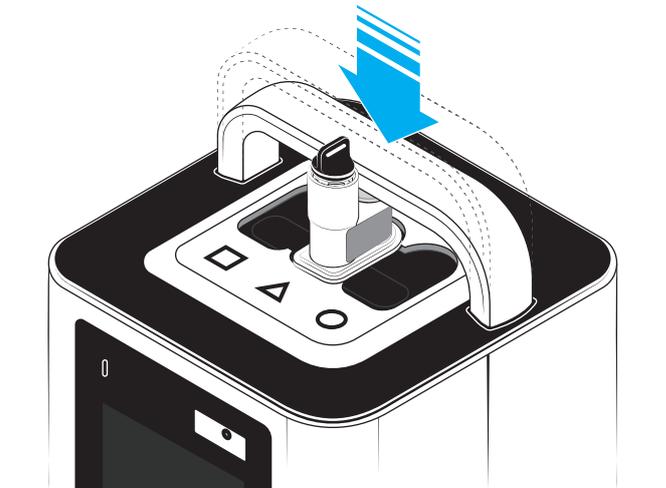
-  If you are using multiple capsules, repeat this process, starting with the scan, until all capsules have been placed.



5 Print

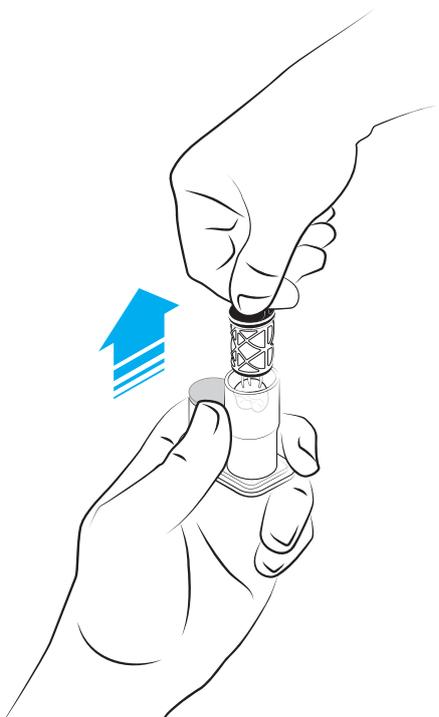
When you start the job, the capsule press arm will slowly lower and the build platform will rise out of the capsule.

-  Do not touch the capsule press arm or capsules during printing operations. The touchscreen will inform you when the print job is finished.



6 Remove the Capsules

When the print job is finished, carefully remove the capsules from the print template.



7 Extract the Build Platform

Hold the build platform by the handle and gently pull up until it releases from the capsule. Remove your part, then discard the capsule.

8 Post Process

Consult the IFU and workflow guide for the resin you're using for the next steps. For best results, post process with SprintRay products.

All-In-One Midas Capsule

Midas is a little different from other 3D printers. There's no resin to pour, tanks to manage, and no reusable build platform. Everything you need to fabricate strong, aesthetic restorations is contained in the capsule.

Build Platform

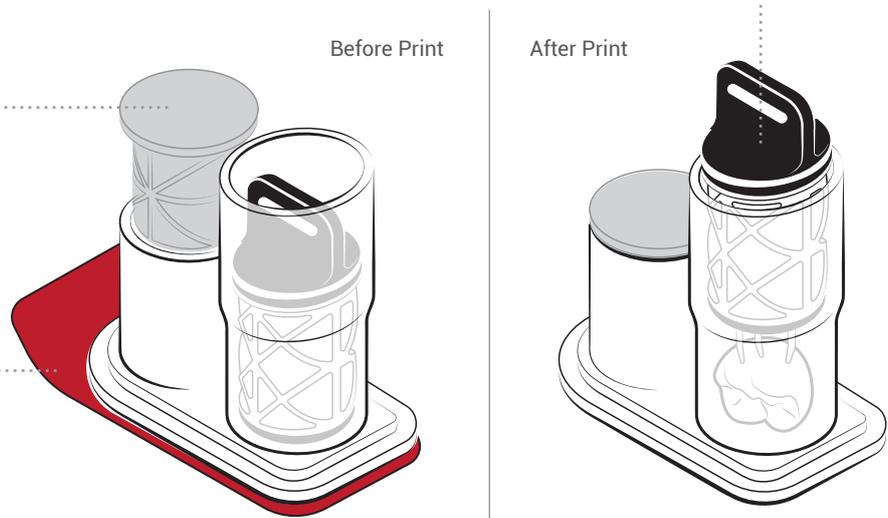
When Midas has finished printing, the build platform side of the capsule will rise.

Resin Press

This end of the capsule goes under the capsule press arm. During the printing process, it will be slowly pressed down.

Safety Film

The optical window on the bottom of the capsule is covered by a thin layer of safety film. Do not remove the safety film until after you have scanned the capsule.



The Printing Workflow

The printing workflow for Midas requires no liquid resin and no resin tanks. Simply follow the steps below to reliably produce strong, aesthetic restorations.

 Workflow steps may vary depending on the resin. Always consult the IFU and workflow guide for your resin and appliance type.

 Visit sprintray.com/sds to download IFU and workflow guides

1 Prepare Print Job

Set up a print job using RayWare or build a print job on Midas using the touchscreen.

 Visit rayware.sprintray.com to set up your first print job.

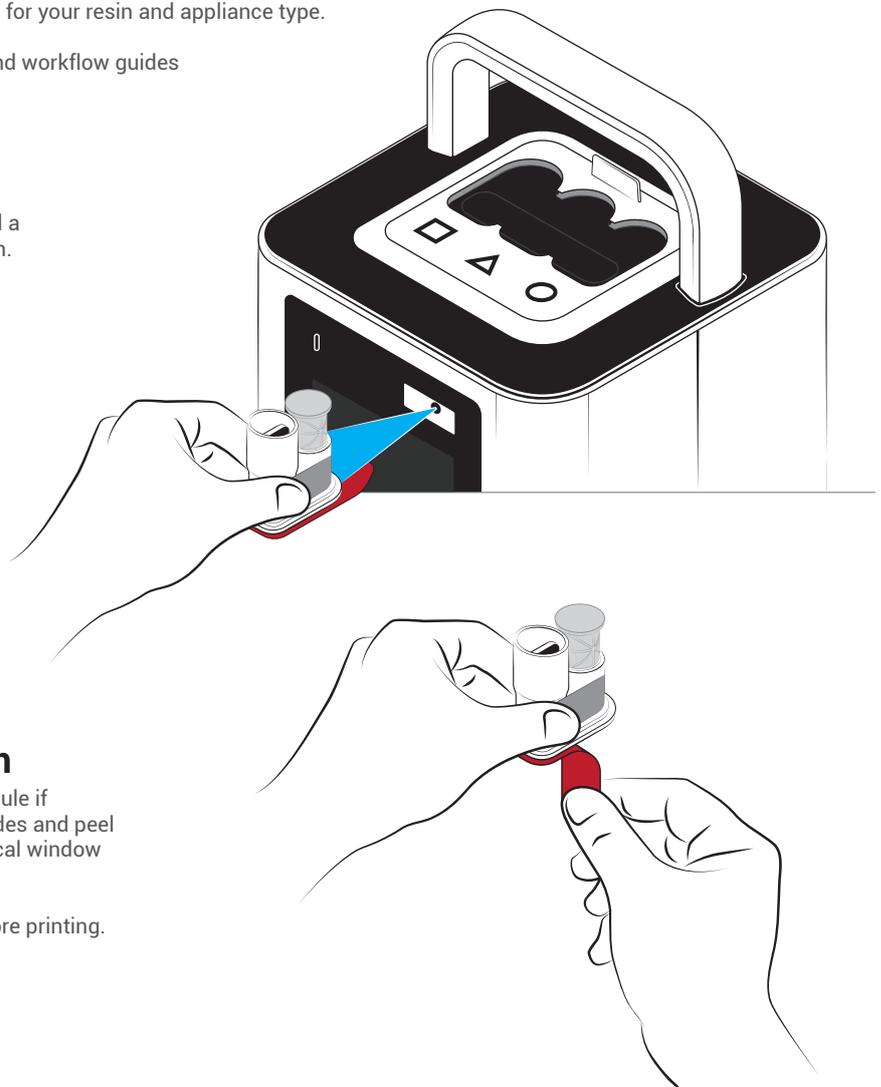
2 Scan the QR Code

Before each print job, Midas will instruct you to scan the QR code on the capsule. This helps ensure the correct resin is always used.

3 Remove the Safety Film

Before removing the film, prime the capsule if needed. Then hold the capsule by the sides and peel off the film, careful not to touch the optical window beneath.

 Always remove the safety film before printing.

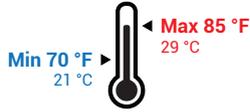


Create a Workspace

The physical space your printer occupies plays a vital role in its success. Dust, heat, and direct sunlight can drastically impact your system's success or failure.

For best results, set Midas up near your other SprintRay devices for optimal workflow efficiency. Turn the leveling feet on the bottom of the device to fine-tune the position of the printer and ensure that it sits level.

Recommended Operating Temperature



DUST WARNING!

Do not place your printer near a mill or other equipment that produces dust. The inner components of the printer are highly sensitive, and excessive dust accumulation can impact print quality and accuracy.

✓ Do

- Level surface
- Clean workspace
- Away from other equipment
- Away from windows and sunlight
- Consistent temperature 70-85 F
- Well ventilated area



Level Surface
Optimal Environment

✗ Don't

- Uneven surface
- Dusty, dirty workspace
- Near other lab equipment
- Near windows or in sunlight
- Large temperature swings
- Poor ventilation



Uneven Surface
Warm Environment

Connecting Your SprintRay

Midas is designed to be used with an active internet connection. Ordering designs, sending print jobs, and automatic handoff between devices require a SprintRay account with an active internet connection.

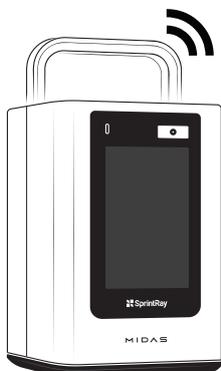
Advanced security protocols may prevent Midas from connecting to the internet. Contact your network administrator for assistance.



📶 Wireless Connection Great for most offices

A wireless connection is recommended for most offices that use normal networking and security protocols. Once you start up your Midas, you'll be prompted to connect to a wireless network by selecting your network name and entering the

i A wireless router is required to establish a wireless connection.

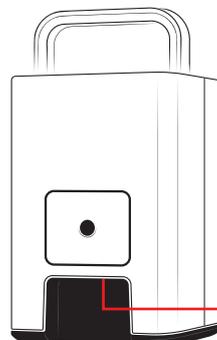


Internet

OR 🖧 Wired Connection Great for offices with high security

A wired connection is recommended if your wireless network uses advanced security protocols or if your Wi-Fi signal is poor. Once you power up Midas, select the LAN option to connect to the internet.

i A network switch or router is required to establish a wired connection.



Internet

⚠️ Network Security May Block Connection

Firewalls or antivirus software designed to secure your network may prevent your computer from finding the printer and connecting to SprintRay Cloud. If you need help getting connected, work with your network administrator and SprintRay support.

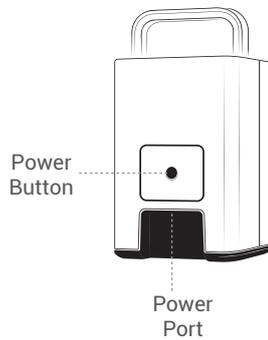
Hello, SprintRay

Before you start printing, you'll need to install the print template and power up Midas.

Plug In and Power Up

Use the provided power cable to plug Midas into an uninterrupted power supply or surge protector. To turn it on, press the power button.

When Midas is on, press the power button to power off or restart. You can press and hold the power button for 5 seconds to power it off.



Print Glass

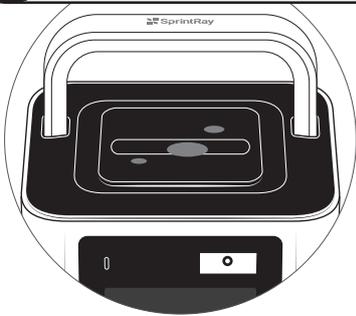
This panel of glass is where the printing happens. It must remain spotless at all times so that light can easily pass through. While printing, the glass heats up to aid printing. It may be hot to the touch.

Cleaning Print Glass

Dust and residue may accumulate on the print surface, so clean the Print Glass regularly using the procedure below.

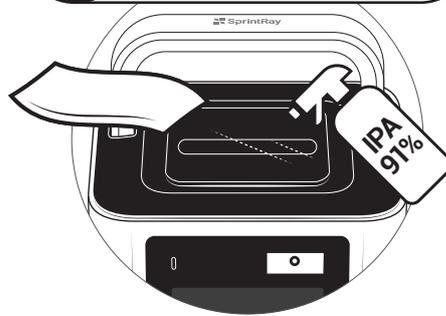
1

To clean the print glass, lift the print template to remove it.



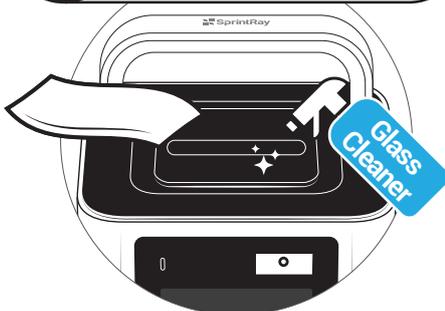
2

Use IPA and a soft cloth to remove any resin residue.



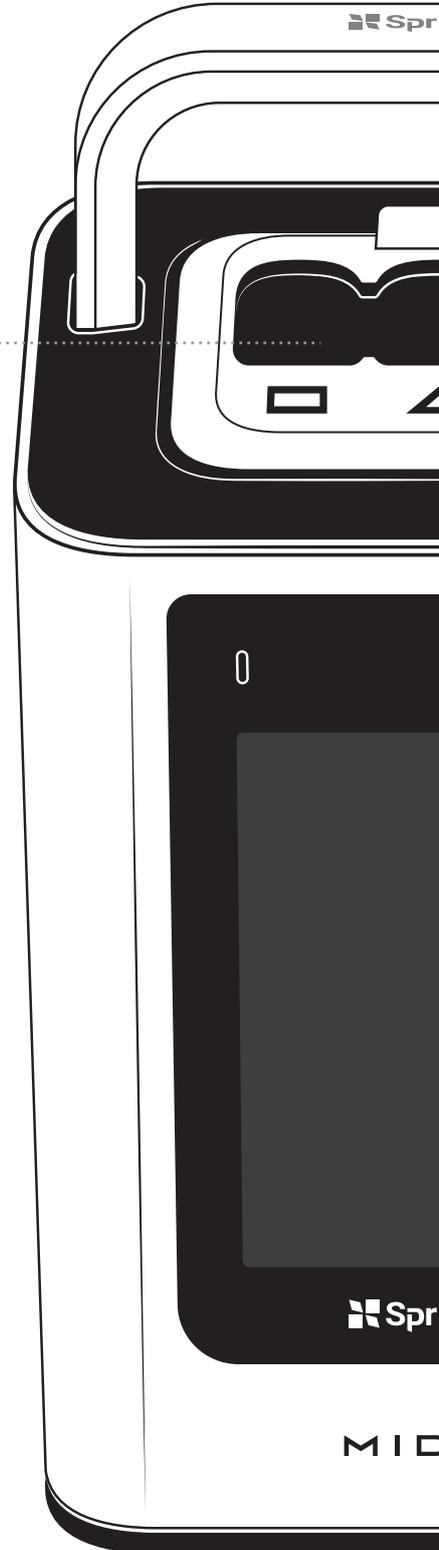
3

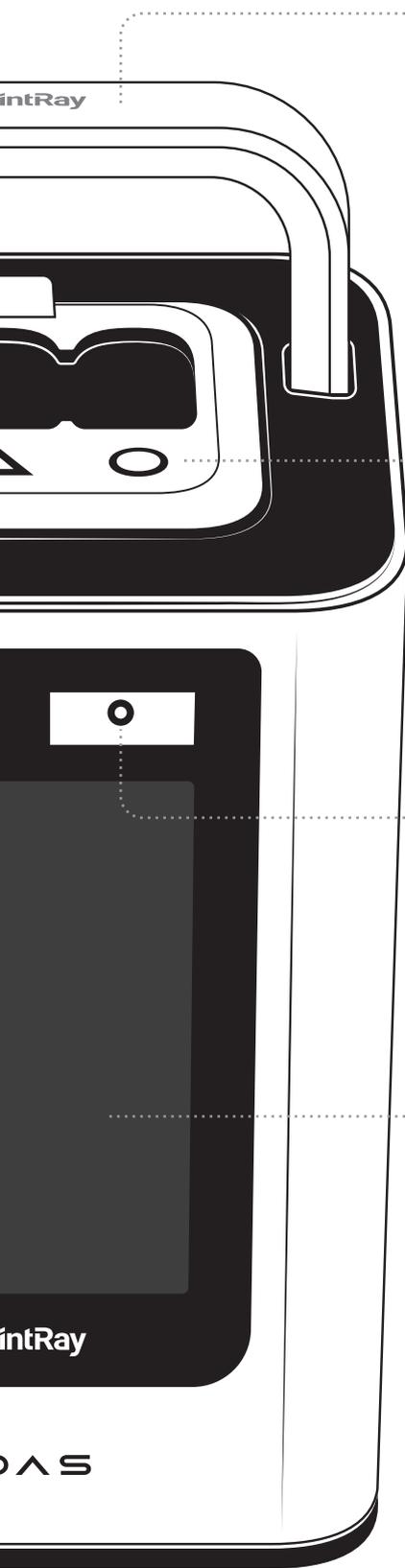
Use glass cleaner and a soft cloth to remove smudges, dust, and other imperfections.



4

Place the print template back in place with the shapes facing the front of the

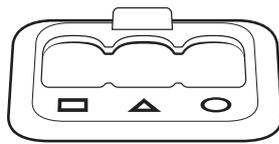




Capsule Press Arm

The only moving part on Midas is the capsule press arm. It lowers during the print and rises back up after the print is finished.

 **WARNING!** Do not touch the capsule press arm during printing.



Capsule Template REMOVABLE

This template helps ensure your capsules are perfectly aligned for every print job. To install, place the template on the print glass as indicated.

When installed correctly, the template should sit level and not move from side to side. It can be removed at any time to clean the print glass.

 **WARNING!** Do not start a print without the print template in place.

Barcode Scanner

Midas uses barcode scanning to verify which resin capsules you use, track expiration dates, and log other important information. You must scan each capsule before use.

Command Center

A large touchscreen and powerful onboard computer allow you to build print jobs right from Midas. You can prepare files using the touchscreen or RayWare Cloud.

 Visit account.sprinray.com to prepare and send files to Midas



Sign In with SprintRay

A SprintRay account is required to use Midas. Make sure to connect it to the internet and sign in with your SprintRay

Offline Printing

Use the USB-C port if you're having connectivity issues. Set up your job on RayWare Cloud, then download it to a USB drive. Plug into Midas and start printing.