

Fully Automated SLA 3D printing: Fast. Precise. Clean.



Unparalleled precision and finish quality: Your micro factory.

The ultimate 3D printer that combines high quality, speed, precision, and exceptional work safety.

micro factory leverages advanced MSLA printing technology and offers full automation for seamless operation. Whether you require 3D prints for your dental practice or need to manufacture intricate parts on a large scale, simply upload your 3D data, press „print“, and receive your fully processed parts – ready for immediate use or further processing.

This minimizes manual effort and the risk of direct contact with substances. Faster, more precise and cleaner than ever before.

MSLA technology

MSLA (Masked Stereolithography) uses an LCD screen to cure photopolymer resin layer by layer. It is the most advanced of all SLA processes.

The advantages:

- » Unparalleled precision and finish quality
- » Much faster than traditional SLA methods
- » Consistent and reliable results
- » Ideal for high quantities

Your own 3D-printed parts for ...

- » detailed prototypes
- » serial manufacturing
- » medical applications

Technical Data

- » XY Pixel Size: 33 microns
- » For resins requiring a wavelength of 405 nm



Find out more in the online datasheet with this QR code

Versatile production of custom parts, prototypes, and small series

Compact and modular

The micro factory takes up little space and allows modular stacking.
Dimensions (W * H * D):
722 x 830 x 589 mm

Diverse material options

micro factory works with all types of materials, including specialized resins for engineering, dental, and medical applications.
With our open materials platform, you can use any UV light-curing resin, providing the flexibility that meets your production requirements.

Easy operation

One touch of a button is all that is needed to carry out all three process steps from start to finish.

Real-Time Production Monitoring

The operator touch screen displays:

- » Number of build plates
- » Resin and cleaning solution levels
- » Production status
- » Data logs for quality control and traceability.

Additional feature modules

With the build plate module, you can expand your system for serial printing of up to five build plates. An additional module enables automated curing with nitrogen or heat outside the machine – for even higher productivity.



Fully automated

Seamless production combines all three essential steps—3D printing, cleaning, and post-curing—within a single area. Enjoy full visibility of the printing process while benefiting from a clean, chemical-free environment.

Print volume size

(L * W * H):
198 x 123 x 195 mm

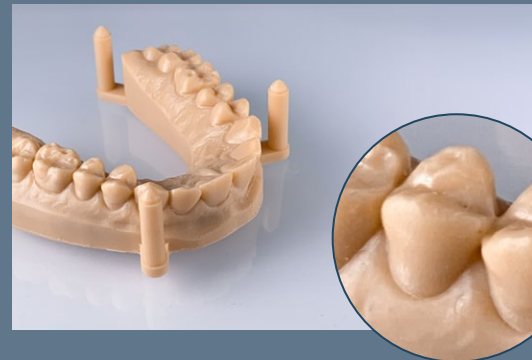
Ready-to-Use Components

The micro factory delivers fully produced, cleaned, and post-cured parts directly on the build plate, making them ready for immediate use.

Industries and examples

Dental applications

With the special dental module, the machine integrates a two-stage cleaning and dedicated curing system to ensure compliance with healthcare regulations. Applications include temporary crowns, dentures, splints, and surgical guides.



Audiology

Printed parts for audiology can be compliant with medical standards in hearing aid manufacturing.

Industrial Manufacturing

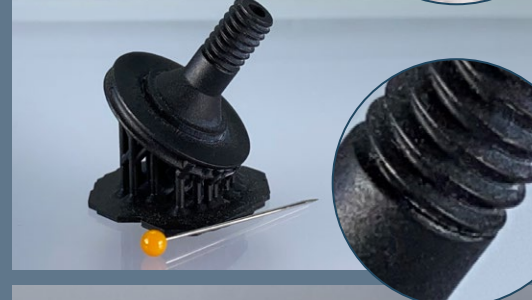
Machine pulley

Dimensions 67 x 67 x 17 mm
1 build plate with 3 parts printed in 85 minutes



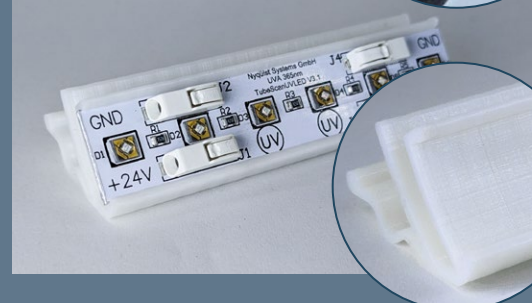
Replacement part

Dimensions 27 x 26 x 33 mm
1 build plate with 24 parts printed in 115 minutes

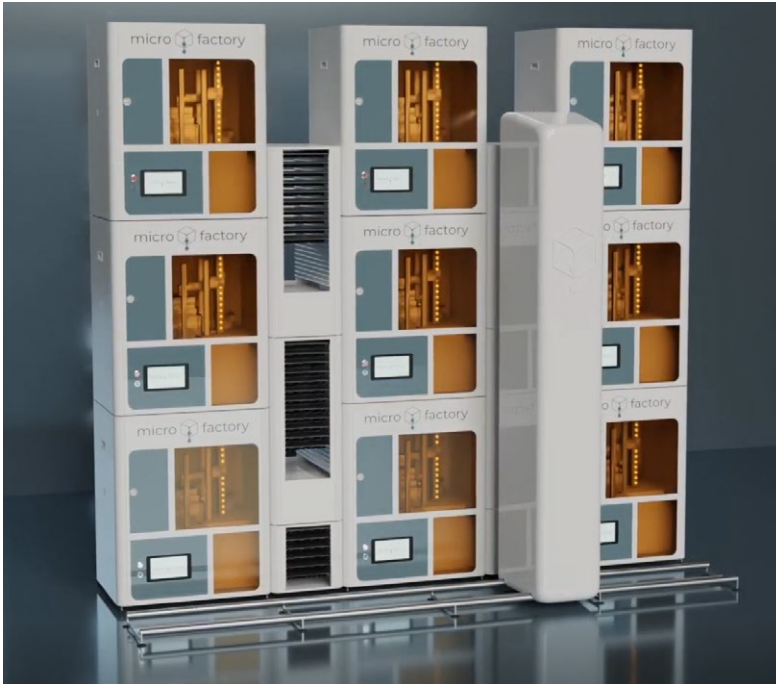


PCB holder

Nyquist Systems GmbH
Dimensions 25 x 23 x 75 mm
1 build plate with 40 parts printed in 190 minutes



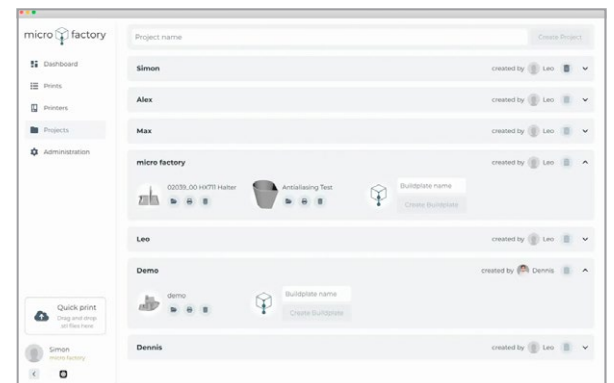
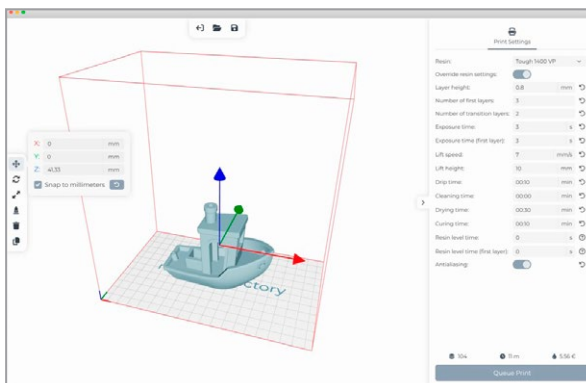
Scale up for large-scale manufacturing



Large quantities?

micro factory is designed for scalability. Build your own print farm and transition effortlessly from prototyping to mass production.

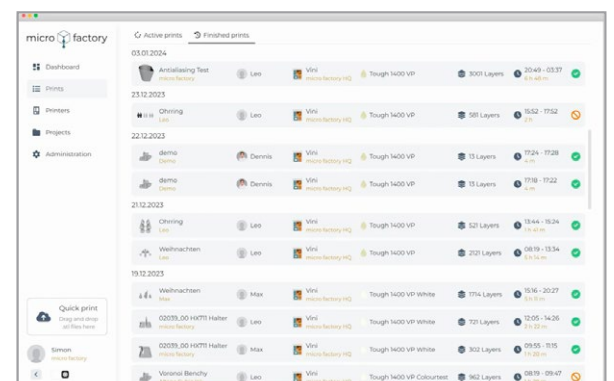
Cloud access



Manufacture anytime, anywhere

With our micro factory cloud, you're free from location constraints. The cloud-based platform allows you to manage jobs anytime, anywhere.

Thanks to full automation, you can set up your projects and let the machine handle everything. Real-time monitoring with integrated sensors and live camera feed gives you seamless process control.





What's your manufacturing project?
Get in touch with us:



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