

LOCTITE 3D PRINTING IN HEALTHCARE



SUPPORT IN CERTIFICATIONS

Henkel resins are designed and manufactured in accordance with **ISO 13485** quality management standard which mirrors customers QM systems.



SIMPLIFIED AND VALIDATED WORKFLOW

Henkel resins are validated for use in approved workflows which enables our customers to achieve consistent results in volume production while meeting relevant biocompatibility specifications.



DE-RISKING

Henkel can de-risk the path for our customers to launch a product in the Healthcare market by developing products and validating workflows assuring Regulatory requirements are met.



EASY CUSTOMIZATION

Innovative and tailored formulations to fit you specific application needs for optimized production.



FASTER TURNAROUND TIME

Once the application is successful, Henkel can help new customers scale quickly by rapid turnaround from product/resin inception to delivery.

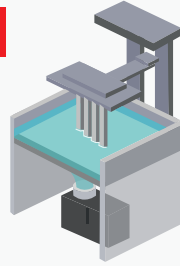
“ DRIVING HEALTHCARE INNOVATIONS FOR A BETTER TOMORROW ”

- Commitment to Innovation
- ISO13485 design and production accreditation
- Validated workflows
- Biocompatibility and use specific testing
- Support for customers regulatory processes



VAT polymerization

DIGITAL LIGHT PROCESSING (DLP)



Materials

LIQUID PHOTOPOLYMER

High Performance photopolymers that can be tailored to fit the specific application needs



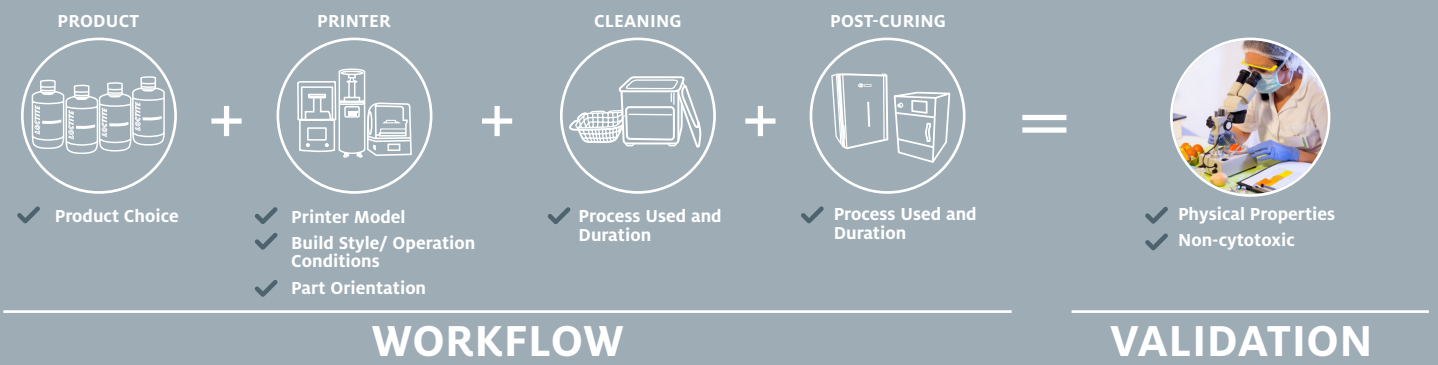
MEDICAL WORKFLOW VALIDATIONS

Loctite 3D Printing provides our high-performance photopolymer solutions with a validated workflow ensure repeatable, reproducible results are generated in accordance with our Technical Data Sheet and test results.

For medical device solutions, it is important that you consult with our Loctite team to ensure the use of an appropriate workflow that has been validated for a specific intended use.

Please note: If any part of the workflow changes, a new workflow must be validated.

Disclaimer: Please check with local regulations, material safety data sheets, specific application requirements, or approvals needed before 3D printing for end use.



APPLICATION AREAS WHERE HENKEL 3D PRINTING SOLUTIONS CAN BRING VALUE TO OUR CUSTOMERS

HEARING AIDS

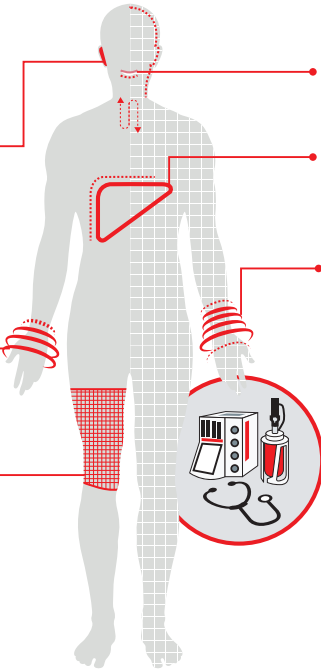
The ear mold component of the hearing device made of a hard/soft material that allows the aid to precisely fit in the ear and delivers the sound generated by the microphone, amplifier, and speaker in the aid itself.

PROSTHETICS

Custom tailored prosthetics for amputees.

EXOSKELETON/ORTHOTICS

Devices that aid and support movement and function of the human body



ORTHODONTICS

Dental industry – Aligners, Braces and mold creation.

SURGICAL MODELS & GUIDES

3D Printed models and replicas of human organs to aid complicated surgeries.

WEARABLES

3d Printed breathable and lightweight cast for patients suffering from injury or bone fractures. Eg: PPE for noise reduction. Customised smart electronic devices that are worn or close to the skin where they monitor or detect body signals e.g heart rate

ENABLERS FOR HEALTHCARE ENGINEERING

Leverage high performance photopolymers to 3D Print equipment components for a fraction of cost compared to the traditional tooling and manufacturing methods with minimal post treatment

HOW TO GET STARTED?



LoctiteAM Website as first step for self evaluation



Contact loctite3dp@henkel.com for more info /support



Sales team to assist in project validation, product selection, workflow validation



Testing and evaluating the proposed solution to best fit the application needs



Custom Resin Development



Delivering complete solution to the customer for the intended use

Identifying the tailored solution through consulting, testing, validating for final production



Awareness



Evaluation Stage

Start Your Healthcare AM Journey



Testing & validation



Ready for Production

SERVICE PLAN

For details on the services provided by Loctite 3D Printing in Healthcare, reach out to loctite3dp@henkel.com listing your specific application requirements.

