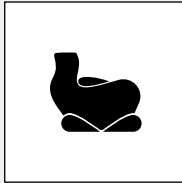
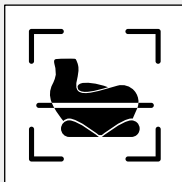


Manufacturing Process – Digital Manufacturing of Earmolds



1. Impression

A precise ear impression is the prerequisite for a perfectly fitting earmold.



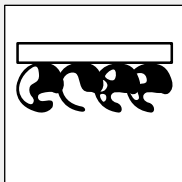
2. Scanning

The scanner is the start for the digital earmold manufacturing. Further information can be found in our brochure “3Shape” – 3D-Scanners.



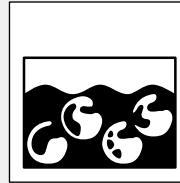
3. Modelling

Design your own earmold with the modelling software by “3Shape” – we also have detailed information on hand for you.



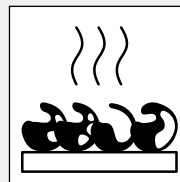
4. 3D Printer • 3D Materials

The egger product line evolupt® offers most modern 3D printers, along with our comprehensive 3D printing material. For any production volume. For any budget.



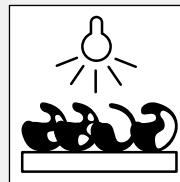
5. Cleaning

The earmolds need to be cleaned in isopropyl alcohol after the printjob.



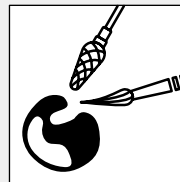
6. Drying

Drying is necessary to enable the solvents to evaporate from the cleaning process.



7. Post-curing process

Post-curing process is carried under inert atmosphere (nitrogen). This step is necessary to ensure the biocompatibility and the mechanical characteristics.



8. Surface finishing

We recommend to lacquer 3D printed earmolds with egger LP/H lacquer. Optionally: polish the surface mechanically or drum-polishing.