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## **In-house earmould production – 3D printing makes it a reality**

Fitting an earmould is essential in order to provide high-quality and audiological sound care. For the majority of cases, the earmould production is outsourced to external earmould labs. Advances in 3D modelling and printing technology, as well as lower prices and simplified processes, make in-house production an attractive option for hearing aid acousticians.

3D printing has experienced a significant innovation boost in recent years. This makes it possible to print earmoulds directly in the acoustician's store with manageable effort. Artificial intelligence helps to simplify and accelerate 3D modelling so that the workload can be integrated alongside everyday working life. The design freedom gained benefits the quality of hearing system fitting and wearing comfort for the customer. In-house also drastically reduces throughput times.

The presentation provides interesting possibilities for implementing such concepts, and shows their advantages, but also their limitations.