



Noise Protection using 3Shape EarMouldDesigner™ 2008

EarMouldDesigner™ is a unique software package used to transform 3D ear impressions created with a 3Shape 3D scanner into models of customized noise protection devices (in addition to the standard BTE hearing aids or headphones) in a few simple steps. The output of the software is a noise protection device ready to be manufactured on a 3D printer.

EarMouldDesigner™ is characterized by its ease of use, flexibility, and processing speed.



EarMouldDesigner overview

Productivity: The modeling process can be completed in a few minutes in as little as a single step.

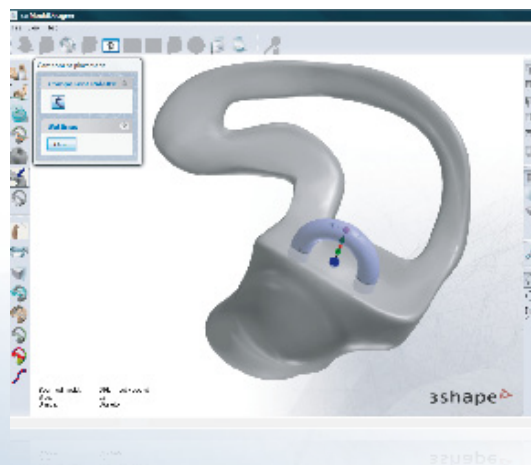
Automation: Most of the features are automated or assisted by the system. Modeling sequences can be saved and applied to other noise protectors. Design operations from one side can be transferred to the other side easily to save time and ensure consistency between both protectors.

Intuitive interface: Fully graphical Windows™-based interface customized for modeling. The user is guided through all the steps of the design process.

User-friendliness: Only basic computer knowledge is required to use the software.

Flexibility: EarMouldDesigner™ can model most sizes and types of noise protectors since a whole ear impression is being modeled (no need for presculpting of the impression before scanning).

Real-time processing: All modeling operations are performed on screen in real time. Results can be assessed immediately and compared to the original impression. Any modification can easily be undone or corrected.





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Selected features of EarMouldDesigner

- Easy and efficient noise-protector modeling
- Easily remove defects from the scanned ear impression
- Handles, extraction chords and any additional component can easily be integrated. User-defined CAD models can be added/subtracted to alter earmould geometry
Easy and customized earmould tip fittings: normal, rounded, bell bore etc.
- Freeform modeling of the scanned ear impression's surface
- Template-based modeling: predefined earmould styles can easily be applied to any impression. The templates can easily be modified to fit the given impression. The system includes several ear protector styles, with the ability to easily create your own customized styles
- Easy and customized tip fittings: normal, rounded, bell bore, etc...

