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FIT earmolds are available in high gloss and satin finish.



THE EARMOLD REINVENTED



AN INTRODUCTION TO A NEW EARMOLD TECHNOLOGY

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BY  **Westone**

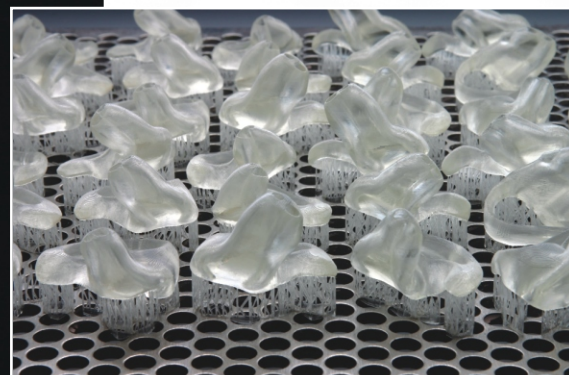
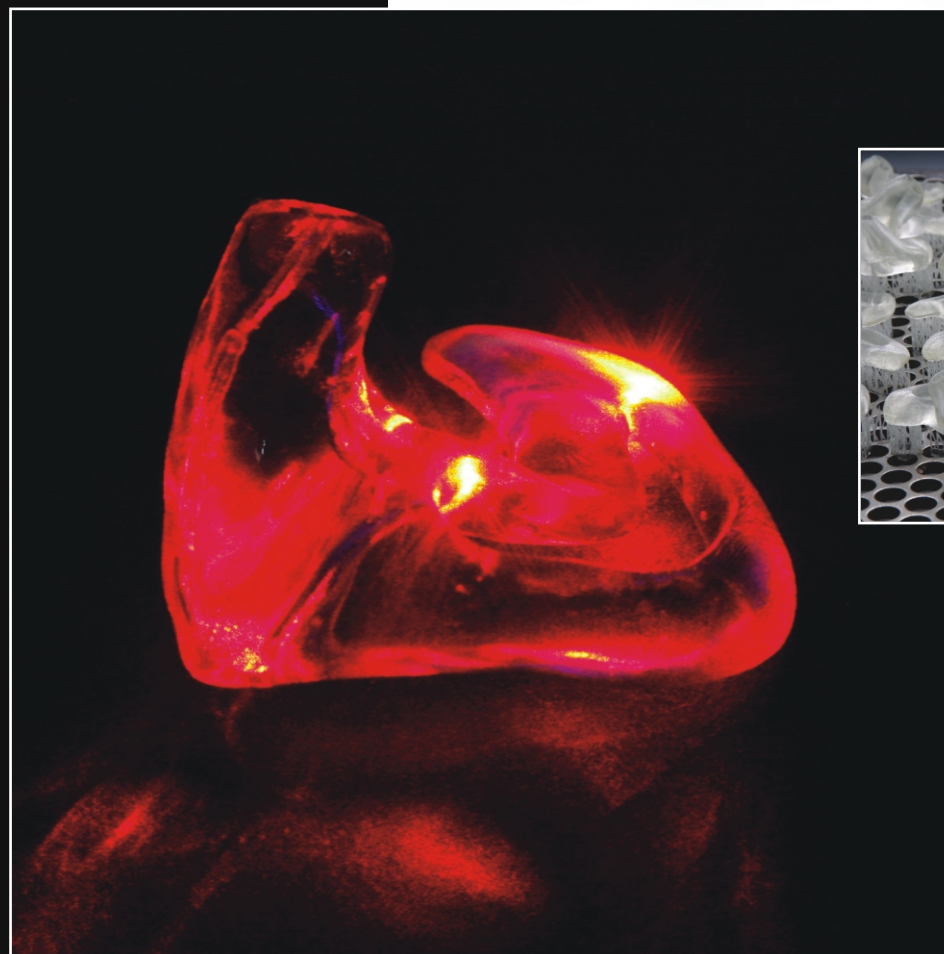


The future of custom earmolds is at Westone. Now.

We call it FIT Technology.

Today, at Westone, we're making custom earmolds with computer controlled lasers. Lasers so precise that they scan up to 100,000 points on a single ear impression. Using state of the art three-dimensional software, the virtual earmold is modeled by our technicians, adding bores, vents and other modifications.

The computer interfaces directly with sophisticated 3D stereolithography equipment to build the earmold, layer by layer...seemingly out of thin air! A skilled craftsman finishes each earmold by hand, using the same care and precision that has been Westone's calling card since 1959.

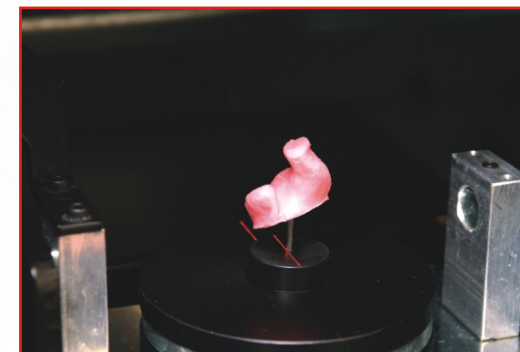


The result is a precisely accurate custom earmold not possible through any other method. By dispensing the world's most accurate earmold, you may find yourself with the world's most satisfied customers!

Westone – you can always count on the oldest name in custom earmolds to offer the newest ideas and technology.

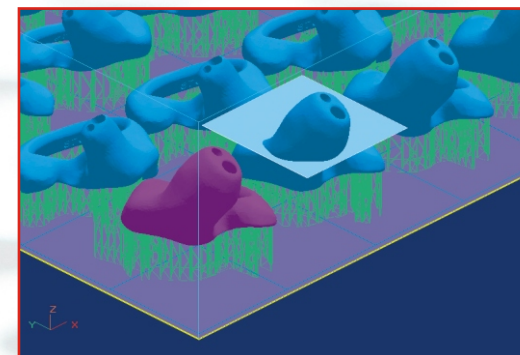
Overview of FIT Process

1. Scanning



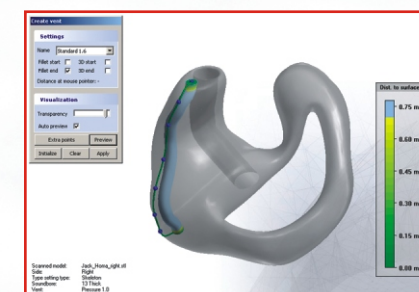
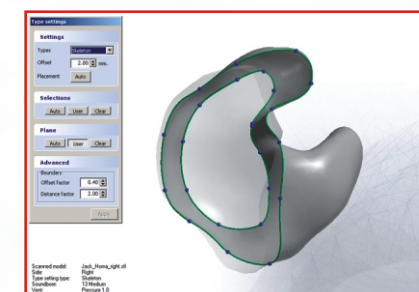
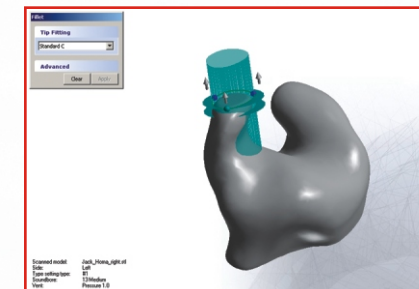
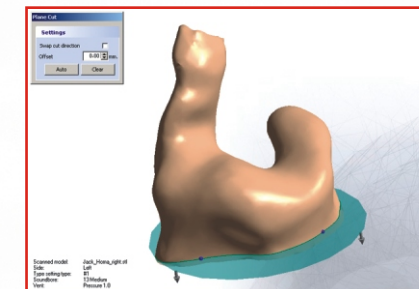
Initially, each ear impression is scanned into the computer system. Two cameras and a laser work together to scan up to 100,000 points on the impression for the most precise representation possible. Once scanning is complete, the digital impression is ready to model.

3. Production



The modeled virtual earmold is prepared for production by digitally loading it into a computer platform where the intricately laced support system is added. A three-dimensional fabrication system then begins to create the earmold using a laser directed into a pool of UV sensitive resin. As directed by the digital model, the laser cures just the points desired, in tiny layers just a few thousandths of an inch thick. Laser building the earmold layer by layer in this way produces the most exact replication of the model possible. Just prior to the Finishing stage, the earmold is cleaned and curing is completed.

2. Modeling



A digital copy of the scanned impression is stored in the computer where it can be modified. Modeling the digital impression is easily accomplished using the latest generation 3D software - rough edges are smoothed, the physical characteristics of the earmold are modified as appropriate, and sound bores and vents are added. This model is the blueprint for the finished earmold and is saved to file to ensure that we will always have digital access to it should future earpieces for the patient be requested.

4. Finishing



A highly trained laboratory technician always finishes each earmold by hand, with the care and devotion you have come to expect from Westone.

