

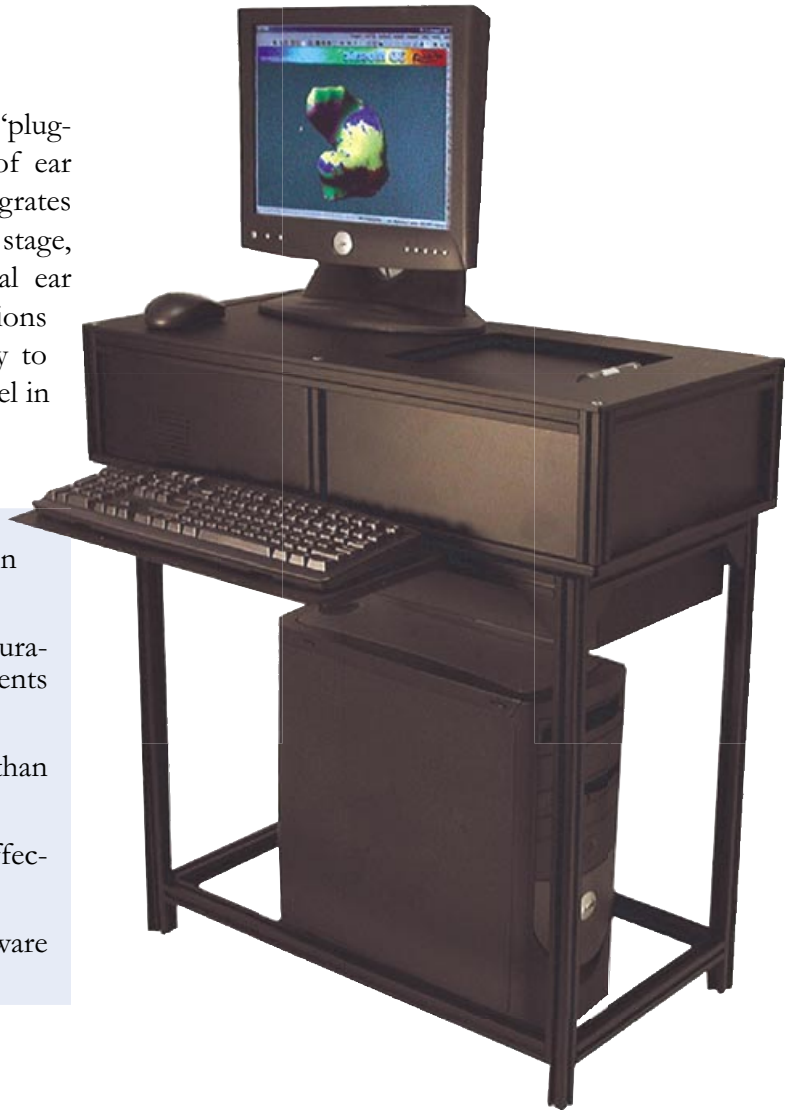
## Accelerate to the next level in digitization ...

The new Genex Ear Impression Digitizer™ provides superior coverage, accuracy, and speed.

The **Genex Ear Impression Digitizer™** is a turnkey “plug-and-play” solution for rapid, automated scanning of ear impressions. This precisely engineered solution integrates Genex’s patented 3D imaging technology with a motion stage, enabling efficient and accurate digitization of physical ear impressions. Even highly curved, complex ear impressions pose no problem for Genex’s system. With the ability to capture over ten million data points and produce a model in less than one minute, it’s in a class of its own.

### System Benefits

- ◆ **Total Coverage:** Captures complete data for even the most difficult ear impressions.
- ◆ **Micron-Level Precision:** Delivers exceptional accuracy for the entire model. Custom-matched components provide consistent performance from end-to-end.
- ◆ **High Speed:** Digitizes an ear impression in less than one minute.
- ◆ **Accessible Price Point:** Allows industry to cost-effectively adopt cutting-edge technology today.
- ◆ **Complete Solution:** Integrates with leading software and rapid prototyping systems.



### Streamlined Production Process



*Capture Impression*



*Merge Data*



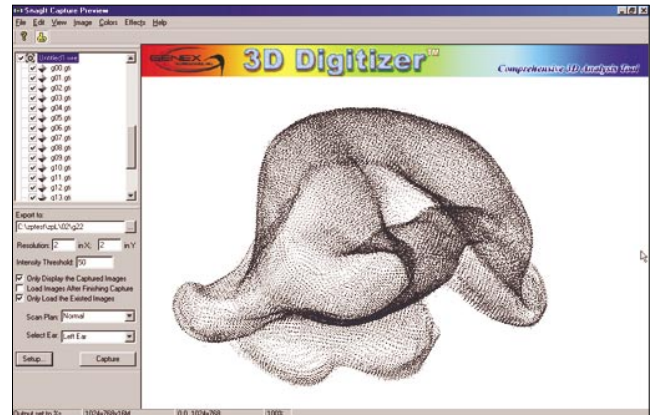
*Output Model*



*Create Hearing Aid*

## 3D Digitizer Software Features

- ◆ **Capture:** Controls the 3D camera and motion stage during the capture process. Calculates the precise relationship between images taken from different angles.
- ◆ **Data Merge:** Combines multiple 3D data images into one contiguous model. Merged data appears as multi-colored model to represent different source images.
- ◆ **Surfacing:** Creates a solid-surfaced model ready for post-processing.
- ◆ **Data Output:** Saves 3D data in multiple formats, including GTI, STL, and PNT. Supported by leading applications such as Raindrop Geomagic® Studio™ and eShell™.



## System Components

- ◆ **Hardware:** 3D imaging system, computer, robotic motion stage, and cables.
- ◆ **Software:** 3D Digitizer software that automatically controls the 3D camera and motion stage to capture, visualize, and create 3D models for post-processing and custom manufacturing.
- ◆ **Integrated Platform:** Production-ready capture platform that encloses the camera and robotic motion stage in a controlled environment. Can be configured as a free-standing workstation or a desktop system.

### Turn impressions into useful digital files in 4 easy steps!

- Step 1:** Place ear impression on motion stage platform.
- Step 2:** Close the system's door and click "Scan."
- Step 3:** Repeat until finished with the batch.
- Step 4:** Open the completed digital models in an ear shell design application such as Geomagic eShell.

## About Genex Technologies

Genex Technologies is a world leader in 3D imaging and display. With a responsive staff and state-of-the-art hardware, software, and integrated systems, Genex is dedicated to providing the solutions you need.

## Technical Information

- Image Acquisition Time: Less than one second per image capture and 30 seconds for the full model.
- Image Processing Time: Approximately 30 seconds for complete ear impression model.
- Image Resolution: 442,369 pixels captured per image (768x576). 10 million or more total pixels captured per ear impression model.
- Image Capture Accuracy: 40-50 microns.
- Field of View (H x W x D) for each image: 2.4" by 1.8" by 1.2" (60 by 45 by 30 mm).
- Motion Stage: 2-axis motion stage capable of full 360° rotation and tilt.
- Auto Calibration: Genex's intelligent software automatically adjusts the motion stage to place the object in the ideal frame of view.
- Genex 3D Digitizer™ Software package: Offers automated capture, motion-stage control, and processing; outputs automatically into leading software packages such as Geomagic eShell.
- 3D Image Formats: AC, DAT, DXF (for CAD), GTI (native format), IGS/IGES, OBJ, PNT (point clouds), STL, and VRML.
- Computer: 2.0 GHz, optimized Pentium 4 computer with 256 MB RAM.
- Dimensions: H - 6 1/8" (156 mm), W - 14" (360 mm), L - 26 1/2" (670 mm). Workstation stand height is customizable.
- Weight: 26 lb. including all components.
- Power: 110 or 220 volts AC.