

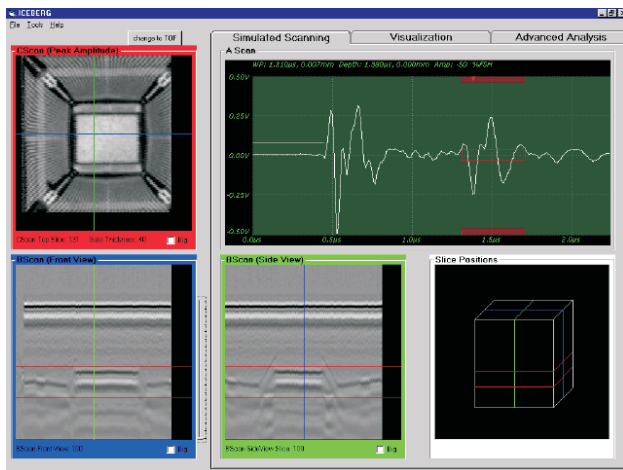
Journey beneath the surface...

ICEBERG™

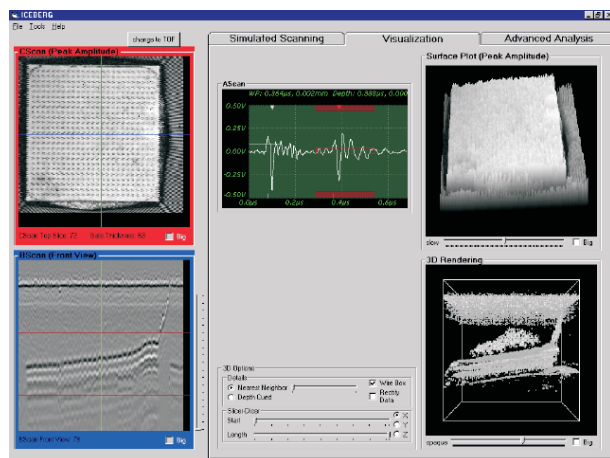
Let ICEBERG guide you on your journey into the depths of your part. ICEBERG is a powerful offline analysis package that allows the user to get the most information out of a single data set. With ICEBERG the user is able to manipulate already collected data offline. The software lets the user simulate scanning and generate new images. Using powerful advanced analysis tools the user can also bring out information that might otherwise be hidden. The user can uncover hidden features, remove unwanted features and enhance features in the data. The software provides sophisticated visualization tools that allow the user to get a better perspective on the package defects. Full 3D rendering of data allows you to visualize the entire data set and see the physical nature of the part. Flat images can also be transformed into three-dimensional presentations.

ICEBERG is completely interactive and responds in real-time to offline data manipulation. The program allows the user to quickly and efficiently manipulate and display data in real-time. The easy to use software offers powerful imaging tools such as an interactive palette manager that allows the user to define multiple palettes for each image.

ICEBERG with its user friendly, fully integrated format, is truly an invaluable tool for getting the most information out of a single data set.



Simulated Scanning Tab



Visualization Tab

Simulated Scanning

Wrong layer imaged? Don't physically re-scan the device - simply reposition the data gate in the software and a new C-Scan image is generated.

Simultaneous A-, B-, and C-Scan displays

Interactive real-time display of A-, B-, and C-Scans corresponding to any location on the curtain B-Scan data set

Instantly switch between peak amplitude and time-of-flight C-Scans

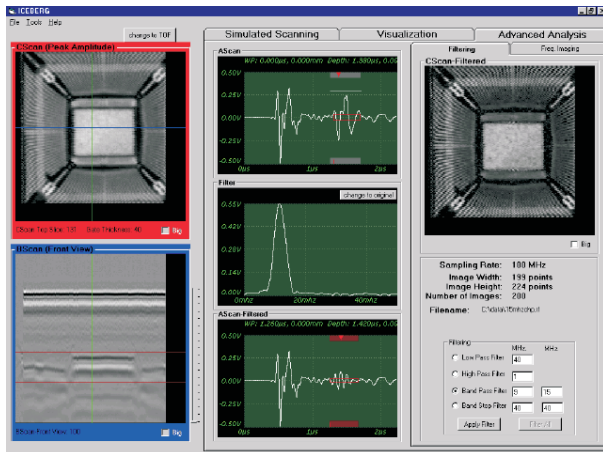
Unlimited derived C-Scan images

Visualization

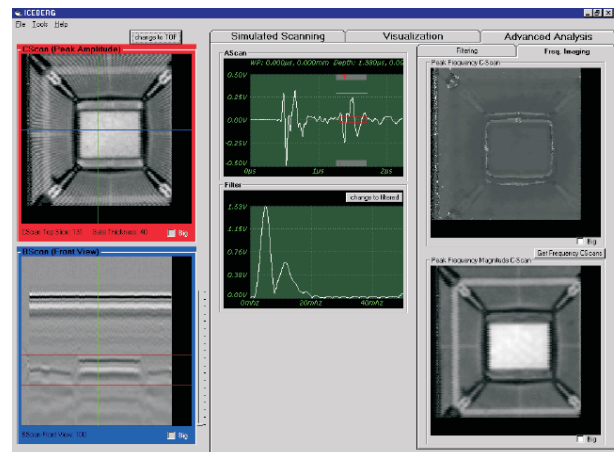
Get a better perspective of your package's defects! ICEBERG allows you to view data in terms of the physical nature of the part - not just as a cross section.

Full three-dimensional display of curtain B-Scan or TAMI data sets

Standard two-dimensional or pseudo three-dimensional display of peak amplitude or time-of-flight C-Scans



Advanced Analysis Tab - Filtering



Advanced Analysis Tab - Frequency Imaging

Advanced Analysis

Uncover hidden features in your data with ICEBERG's Advanced Analysis tools. With ICEBERG you can also remove unwanted features such as noise and even enhance features within the C-Scan.

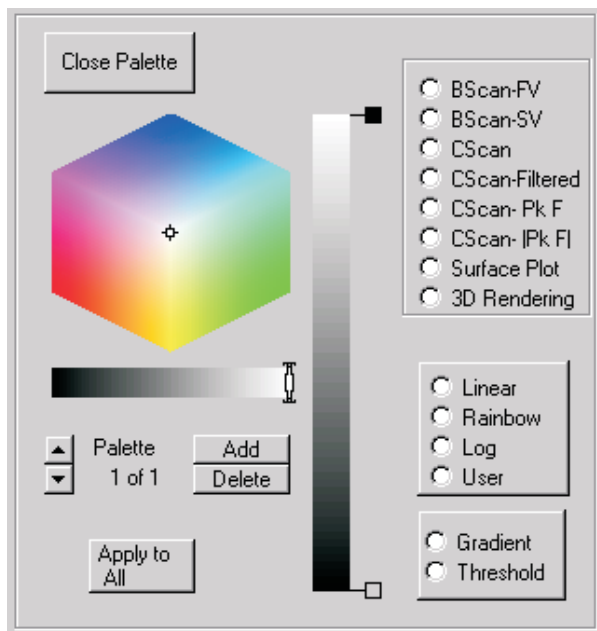
Unlimited data gate and FFT gate settings

Instant FFT display for any portion of the A-Scan

Unlimited high-pass, low-pass, band-pass, or band-stop filter settings

Apply any filter to the whole data set and derive unlimited C-Scan images from the filtered data set

Peak frequency and peak frequency magnitude C-Scans



Interactive Palette Manager

Other Features and Tools

ICEBERG provides a robust tool set that allows for easy, interactive data manipulation.

Zooming and panning on all standard images

Zooming, rotation, and auto rotation on all three-dimensional images

Slicing and translucent features on the 3D rendering image

Interactive palette attached to each image

Save images for use in IC software or other windows applications

Capture and print function for the active window

