

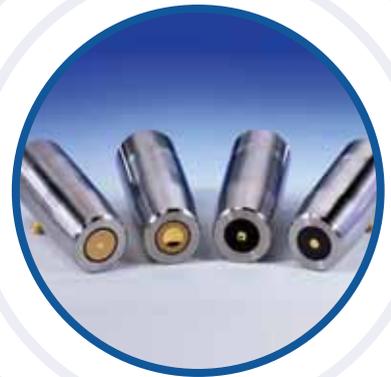
Gen5™ C-SAM®

A Revolution in Acoustic Micro Imaging



The Next Generation in AMI Technology

With the broadest range of capabilities, the most advanced features, and an ergonomic, user-focused design, the Gen5™ delivers the ultimate in advanced acoustic micro imaging.



Matched 500 MHz Bandwidth Pulser/Receiver and Transducers
generate superior images as both are designed and manufactured by Sonoscan for optimum performance.



Features

- Virtual Rescanning Mode (VRM)™ stores comprehensive data and enables you to perform a complete analysis of a sample, even when it is no longer available
- TurboSpeed™ provides faster imaging speeds at high frequencies with up to 2.5X increased image acquisition speed with high pixel densities
- Digital Image Analysis (DIA)™ uses advanced algorithms to quantify the acoustic data and allows you to set accurate, automatic, accept/reject criteria
- ESD safe and clean room ready
- Open-access scanning area makes loading and unloading easy and is capable of scanning two JEDEC trays or a 300mm wafer
- Inertially Balanced Linear Motor Scanner with counterweight to minimize vibrations and ensure optimal scanning results
- Multi-Language OS and Visual Acoustics™ Interface allows technicians and operators to work in their native language. Includes English, Chinese and Japanese



Maximum Productivity
through advanced applications software and a new ergonomic design that improves the overall operator experience.



Gen5™ C-SAM®

The Gen5™ C-Mode Scanning Acoustic Microscope is the next generation in Acoustic Micro Imaging (AMI) innovation. With cutting-edge technology, advanced features, and improved ergonomics, the Gen5 takes acoustic scanning to a higher level.

The Gen5 delivers the broadest range of capabilities available. Whether your needs are for nondestructive failure analysis of a flip chip or bonded wafer, process development, R&D, high-rel qualification for a military application, or medium-volume screening of a batch of smart cards, the Gen5 is the one machine that can meet all of your demands.

Advanced Sonoscan capabilities such as Virtual Rescanning Mode (VRM)™, TurboSpeed™, and available Frequency Domain Imaging (FDI)™ add value and confidence. With its large, easy-access, illuminated scanning area, the Gen5 has the capability to efficiently scan anything from a single part, to a 300mm wafer, to up to two full JEDEC trays.

In addition to being packed with leading Sonoscan innovations, the Gen5 was carefully designed with the user in mind. Its ergonomic features make it comfortable and convenient to use. Its advanced applications software and intelligent design help maximize results while saving operator time. Plus, its open access and illuminated sample stage allow for easier loading and unloading of samples. The Gen5 is truly one of a kind, delivering a package of technology, ergonomics, and advanced Sonoscan-developed features that cannot be found anywhere else.



Leaders in Nondestructive Internal Inspection



Since its inception, Sonoscan has focused on developing superior Acoustic Micro Imaging (AMI) technology to help our customers build higher quality products. Sonoscan remains the most trusted authority on the application of AMI for nondestructive internal inspection and analysis, and holds more US and foreign patents related to AMI technology than any other manufacturer.

Sonoscan Delivers:

- **Superior Image Quality** by being the only AMI company with our own transducer/lens development lab and fabrication facility
- **Extraordinary Data Accuracy** through our proprietary signal processing algorithms, analysis functions and color maps
- **High Throughput Rates** by developing the most advanced features and instruments
- **Unsurpassed Technical Expertise** with more than 20 dedicated and highly experienced AMI applications engineers on staff

For a complete list of Gen5™ specifications, please contact Sonoscan at 847.437.6400.