

Scanning Acoustic Microscopy

HiSpeed Scanners



HS1000 HiSpeed™ in SAM enclosure



HS1000 HiSpeed™ with rugged support base and workstation

The HS1000 HiSpeed™ is a high resolution, high speed scanner designed to inspect JEDEC trays, strips and individual parts.

From the F/A Lab to the Production Floor the Sonix family of HiSpeed scanners provide high throughput for all your inspection needs in:

- Failure Analysis
- Quality Control
- New Package Design
- Process Control
- Production

The HS1000 HiSpeed Scanner offers unparalleled Speed and Precision:

- High speed scanner
- 1 Micron encoder for superior imaging resolution
- Large scan area (15" x 12")
- Pulse-Echo Scans over entire scan area and Thru-Transmission Scans over a single JEDEC tray

The system is covered by a Pop & Swap Warranty that provides continuous warranty coverage for one year from the date of system delivery.

The SONIX logo, featuring the word "SONIX" in a bold, blue, sans-serif font with a stylized underline.

HiSpeed™ Scanner Specifications

HS1000 HiSpeed™

Hardware

- X-Y-Z motorized, low noise, high speed scanner with 15" x 12" active scan area
- 1 micron encoder for superior imaging resolution
- Dual JEDEC tray holders
- HiSpeed SAM enclosure*
- SMC/MD6-4X (3 axis low EMI controller)

Optional

- Thru-Transmission kit (10 MHz kit or 25 MHz kit)

* For future AutoSAM upgrades a Rugged Support Base and Workstation is available

Software

- IC Lab™ and/or IC Pro™

Optional

- TAMI™ Imaging
- Skip & Scan
- Off Line Analysis
- Cluster Analysis

Computer System

- 350 MHz Pentium II
- 6.4 GB Ultra DMA IDE hard drive
- 160 MB 100 MHz SDRAM
- 8 MB AGP video card
- CD-RW rewritable CD-ROM drive
- 3.5" floppy disk drive
- Windows® 95
- HP DeskJet 1600
- STR*81GU 1 GHz high speed A/D board

Optional

- Iomega ZIP drive, internal
- Iomega Jaz drive
- Bernoulli drive, 230 MB
- CP750 Mitsubishi printer (3" x 5" Printout)
- CP2000 Mitsubishi printer (8 1/2" x 11" printout)
- 21" SVGA monitor
- 56 Kbps modem
- Remote diagnostics software
- Network card

Pulser/Receiver

- DPR002s digital broad band pulser/receiver

Optional

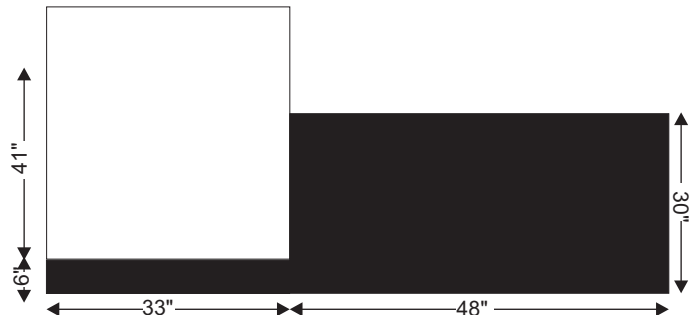
- High frequency package including matched pulser and transducer

Transducers

- 15 MHz
- 75 MHz

A variety of optional high frequency transducers is available

Dimensions

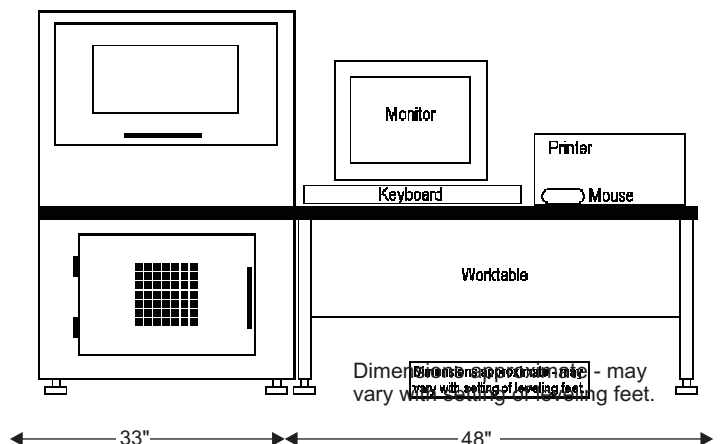


Top view of HS1000 in SAM enclosure

Recommended space

Depth: 66"

Width: 96"



Front view of HS1000 in SAM enclosure

Power Requirements

2 power outlets:

- 110v/20 amp or
- 220v/10 amp

