

Transforming Breast Cancer Screening Through AI-Powered Early Detection

Scalable, radiation-free, and patient-centered screening solutions designed for hospitals, public health systems, and community programs.

The Challenge

Traditional breast cancer screening programs often face:

- Low patient participation due to discomfort and fear
- Limited accessibility outside urban healthcare systems
- High infrastructure and operational requirements
- Delays in screening and reporting workflows

The SMI Solution

SMI combines advanced thermal imaging and AI-powered analysis to enable comfortable, scalable, and accessible breast health screening programs.

Designed for real-world healthcare environments, SMI supports early risk detection through a painless and radiation-free screening experience.



Key Advantages

Radiation-Free & Painless

No compression, no radiation exposure, and designed for repeat screening.

Portable & Scalable

Deployable across hospitals, community programs, wellness initiatives, and rural environments.



AI-Powered Analysis

Intelligent thermal pattern analysis supporting structured risk assessment.

Faster Workflow

Efficient screening and near-immediate reporting to support clinical review.



Designed For

- ✓ Hospitals & Diagnostic Centers
- ✓ Public Health Programs
- ✓ Community Screening Initiatives
- ✓ Corporate Wellness Programs
- ✓ Rural & Underserved Regions

Impact-Focused Screening

- ✓ Improved accessibility
- ✓ Better patient acceptance
- ✓ Scalable deployment models
- ✓ Faster screening workflows
- ✓ Supports early detection initiatives



SMI

Fast. Intelligent. Reliable.

SMI — Soluções Médicas Inteligentes
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AI-Powered Thermal Breast Screening Technology



A smarter, more comfortable approach to breast health screening.

How The Technology Works

SMI uses high-resolution thermal imaging and artificial intelligence to analyze physiological and vascular heat patterns associated with breast abnormalities.

The system generates structured breast health reports designed to support clinical evaluation and follow-up decisions.



Why It's Different



No Radiation

Safe for regular and repeated screening.



No Compression

Comfortable screening experience with no painful procedures.



AI-Based Detection

Advanced thermal pattern analysis for intelligent screening support.



Fast & Efficient

Quick screening process with near-immediate reporting.



Portable Deployment

Designed for hospitals, mobile units, community outreach, and public health programs.

Screening Workflow

Thermal Scan Capture



AI-Based Analysis



Structured Risk Report



Clinical Review & Follow-Up

Built For Scale

- ✓ Hospitals & Clinics
- ✓ Community Programs
- ✓ Corporate Wellness Initiatives
- ✓ Rural Healthcare Access
- ✓ Large-Scale Public Health Deployment

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