

# 3980-DM

## Digital Mammography

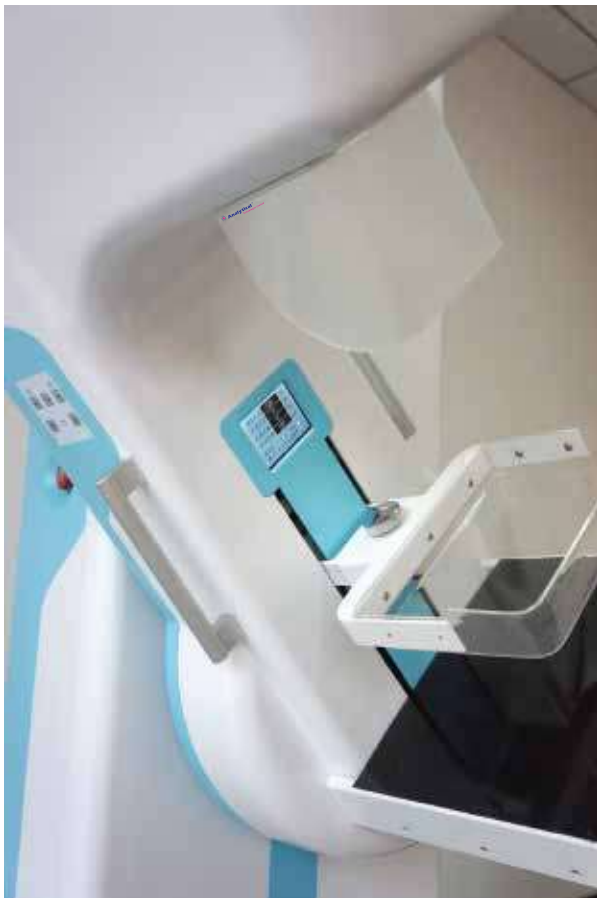


EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)



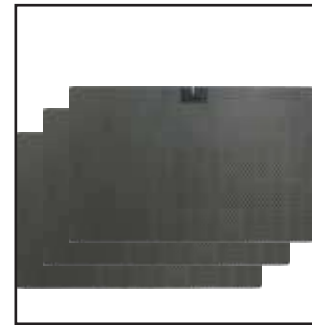
Motorized U-arm with isocentric design



Color LCD screen



X-ray sensor



Breast special moving grid

**Mammo X-ray examination is gold standard of diagnosing early-stage breast cancer, which is recognized internationally.**

### **The first high frequency mammography System with integral moulding**

Large color LCD screen, which is fashion and easy to operate.

Motorized rotation U-arm with isocentric design and digital display rotation angle, the master one-key reset function is unique and convenient.

The core component adopts solid-state quasi-resonant high frequency high voltage generator with independent intellectual property rights. It has reached the international advanced level.

Item	Parameters
Power Rating	6.2kW
Frequency	80kHz
C-arm vertical movement	590mm
Rotation Degree	+90°- -90°
SID	650mm

- Opttona auto moiybdenumthinlnum Aler makes Image sharp and enstmres X-leV quality.
- Opttona 3rd Generation imported moving grid can effectively eliminate scattered X-ray, thus makes clear Image.
- Optional solid-state inported X-ray sensor with AEC function can guarantee the accurate dose and make easy imaging operation.
- Optional electric field collimator can reduce tie Interference at scattered X-ray, thus improve image clarity.



CR/DR upgrading as option

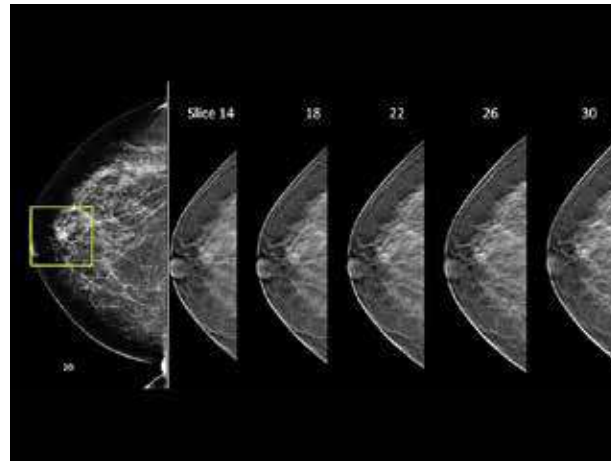


Grid dedicated for mammography



DR flat panel detector

## Tomosynthesis



Breast tomosynthesis, also called three-dimensional (3-D) mammography and digital breast tomosynthesis (DBT), is an advanced form of breast imaging, or mammography, that uses a low-dose x-ray system and computer reconstructions to create three-dimensional images of the breasts. Breast tomosynthesis aids in the early detection and diagnosis of breast disease.

An x-ray (radiograph) is a noninvasive medical test that helps physicians diagnose and treat medical conditions. Imaging with x-rays involves exposing a part of the body to a small dose of ionizing radiation to produce pictures of the inside of the body. X-rays are the oldest and most frequently used form of medical imaging.

While mammography is the best screening tool for breast cancer available today, it does not detect all breast cancers. Breast tomosynthesis overcomes some of the limitations of standard mammography, but it is not yet available in all imaging facilities.

A conventional x-ray examination of the breast, called a mammogram, is two-dimensional: two x-ray images are taken of the breast, from top-to-bottom and from angled side-to-side, while the breast is compressed between a clear plastic paddle and an imaging detector. Although compression is necessary to obtain breast images, it may cause overlapping of the breast tissue in which abnormal tissue can be hidden and superimposed normal tissue can appear abnormal.

In breast tomosynthesis, the x-ray tube moves in an arc over the compressed breast capturing multiple images of each breast from different angles. These digital images are then reconstructed or “synthesized” into a set of three-dimensional images by a computer. These three dimensional image sets help minimize the tissue overlap that can hide cancers or make it difficult to distinguish normal overlapping breast tissue from tumors.

### Features:

- Earlier detection of small breast cancers that may be hidden on a conventional mammogram
- Greater accuracy in pinpointing the size, shape and location of breast abnormalities
- Fewer unnecessary biopsies or additional tests
- Greater likelihood of detecting multiple breast tumors
- Clearer images of abnormalities within dense breast tissue

## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

- HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.
- AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on PLC principles, operations, troubleshooting.
- Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA norms.
- Instruments** :Instruments :We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies





## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.ais-india.com](http://www.ais-india.com)  
[www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

Sales & Support Offices:  
across the country ;  
Distributors & Channel  
partners World Wide

Note : Company reserves rights to add/delete/modify the contents / technical specification of the catalogue without prior notice.