Mammography System

ELMA-T3

Breast Care for Women

DK Dong Kang Medical Systems


DK

Cost Effective Solution for Mammography

- Compact and Ergonomic Design
- Superior Image Quality
- Excellent Operation with Generator Built in Slim body
- Automatic Exposure Control (Auto kV & mAs)
- High Frequency Inverter System
- Full Color Touch LCD Control Panel


DK
DK
Dong Kang

Mammography System

ELMA-T3

Dedicated Mammography

Dong Kang Medical Systems' incessant effort to realize innovation in the medical equipment field was rewarded with a competent Mammography, ELMA-T3, which is breaking new ground in the standard of versatility and efficiency.

Breast Care for Women - Early Detection

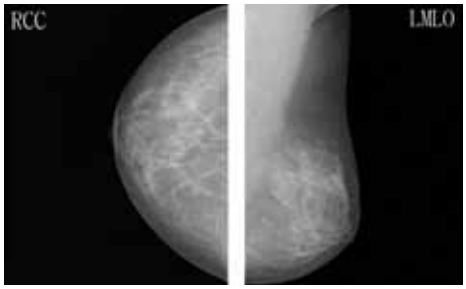
Mammography is the best method for the early detection of breast cancer, typically through detection of characteristic masses and micro-calcifications. ELMA-T3 provides you with the clinical confidence you need to detect and treat disease.

Elegance Design Mammography

ELMA-T3 is designed to offer users more comfortable experience with application of an innovative ergonomic style and pastel colors to make it familiar and relaxing. The compact size of the system makes it easy for patients to find the right position. It is optimized mammography system both for basic and diagnostic use.

Superior Image Quality

ELMA-T3 includes a high speed bi-angular x-ray tube. This x-ray tube provides higher mA which further reduces exposure times and lessens motion unsharpness, resulting in superior image quality.
Also ELMA-T3 has SID 660mm. It's the best distance to obtain high quality images



Designed with Comfort and Efficiency for Women's Breast Care

Dual Control Buttons on Both sides

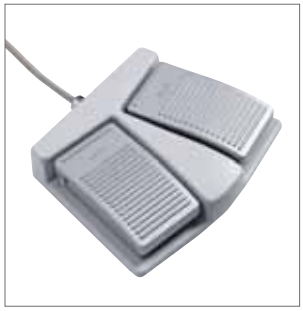
Dual control buttons are placed on both sides for vertical travel and rotation of the c-arm

· Collimator lamp
· Up / Down
· Left / Right rotation

Compression Parameters Display

The digital display of the compression force that is put on the breast when taking an X-ray aids in avoiding patient discomfort due to compression force. It also displays the actual compressed thickness, which makes it easier to determine the best radiography condition. AEC sensor can be placed in 4 positions and displayed on LCD. It can be changed for optimal exposure which reduces retakes.

· Displays : AEC sensor positions
Compression force level
Compressed breast thickness



Footpedals

· Up/down movement of the compression
· Auto-release compression after exposing

Excellent Operation with Generator Built in Slim Body

Compact Size : Built-in Generator

Thanks to its built-in generator, neither external generator cabinet, nor extra cabling is required. Thus, it makes installation very easy and saves space.

High Frequency Inverter System

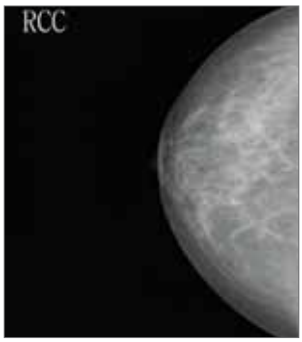
With maximum tube current 100mA @ 25kV,
a high-resolution image can be acquired in a short period of time, which will enable a detailed diagnosis.

- Stable output with high frequency inverter system
- Built-in generator
- Maximum current 100mA @25kV

Full Color Touch LCD Control Panel

Using full color touch LCD control panel, a user can easily manage various data, including control setting information.

- Exposure control mode (Full Auto, Semi Auto, Manual)
- Exposure condition data
- 15 density adjustment steps



Superior Image Quality

ELMA-T3 has a Source to Image Distance (SID) 660mm. It's the best distance to obtain high quality images.

- SID 660mm
- High speed bi-angular x-ray tube
- Maximize clinical image quality


DK

Increased Efficiency and High Patient Throughput

Intelligent Automatic Exposure Control (AEC)

Automatic Exposure Control system ensures consistent image quality with reliable intensity. This provides conventional automatic exposure control with object thickness and compensation during the exposure according to the tissue composition.

Highly Sensitive Fiber Grid Bucky Device

Highly sensitive fiber grid reduces scatters, which results in clear diagnostic images.

MICOM Compression

ELMA-T3 has comfortable compression. When the operator requires some level of pressure, MICOM control soft-touch system minimizes the discomfort of exam within the pressure range.

Dedicated Mammography for Breast Screening

Specifications

Generator

Type	High Frequency Inverter
Radiographic Ratings	Large Focal Point 20~35KV (1kV step) / 4~500mAs
	Small Focal Point 20~35kV (1kV step) / 4~160mAs
	Max. mA current : 100mA@25kV

X-ray Tube

Focal Spot Size	Dual Focus 0.3 and 0.1 mm
Rotating Anode	Molybdenum (Mo)
Anode Heat Capacity	300,000HU
Additional Filtration	0.03mm Mo

C-arm

Rotation Degrees	Right 150°/ Left 180°
SID	660mm
Vertical Movement	820mm
Compression	Manual and Motorized (8 step Max.16kg) Automatic or manual release
Internal Collimator Plate	Selectable 18x24 / 24x30 cm

Cassette Image Receptor

Bucky Device	18 x 24 cm
AEC Sensing	Displaying 4 Positions on LCD
Cassette Sensing	Infrared Photo Sensor
Grid Ratio 4 : 1 , 36 lines/ cm	

Automatic Exposure Control

AEC Mode	AEC, Auto mAs, Manual
15 density adjustment steps (7% per 1 step)	

Options

18 x 24cm / 24 x 30 cm Film Cassette
24 x 30 cm Bucky Device & Compression Paddle
Magnification Device x 1.8

Line Voltage

Single phase 220VAC, 16A, 50/60 Hz

DK, the Best Healthcare Company

Dong Kang Medical Systems Co.,Ltd.

www.dongkang.co.kr / www.dongkang-m.co.kr

H.Q : 66 Umyeon-dong, Seocho-gu, Seoul,137-900, Korea
Phone : +82 2 529 6181 / +82 2 577 6193
Fax : +82 2 529 6160 / +82 2 577 6194

Factory: 394-4 Chupal-ri, Paengsung-eup, Pyeongtaek,
Gyeonggi-do, 451-805, Korea

Busan : +82 51 638 1140
Daejeon : +82 42 621 6181
Daegu : +82 53 742 6181
Gwangju : +82 62 945 5544