

Major Technical Specifications

Model	MAM Venus / MAM Venus <sup>+</sup>
Series	Fairy
X-Ray Generator	High Frequency (HF) X-Ray generator
Max. Power	3.5 / 5.0 KW
X-Ray Tube	Dual focus rotating anode X-Ray tube
Focal Spot	0.1 mm & 0.3 mm
Gantry	Isocentric motorized gantry
Standard Accessories	Exposure Protector Cone, Bucky with Collimation plate for 18 x 24 cm, Compression Paddles (normal & spot), Magnification device (1.8x), Retractable cord for exposure.
Optional Accessories and Devices	Bucky with motor operated grid of 24 x 32 cm, Collimation plate for 24 x 30 cm, Rhodium filter (in lieu of Aluminium Filter), Cassette sizes for 18 x 24 cm / 24 x 30 cm. Digital Stereotactic Biopsy Device, Collimation plate for biopsy, Digitizer, Analog biopsy (hole plate), Dual angle tube (10°/16°), Dual Metal Dual Focus Rotating Anode X-Ray Tube, Patient chair, Phantom.
Power Requirement	230 V AC ± 10% (model specific ± 20%), Single phase, 50/60 Hz (or as per voltage / frequency. available), 15 amps with independent earthing on the wall socket.



Quality, System and Safety Certifications



ALLENTERS MEDICAL SYSTEMS LTD.

S.C.O. 212-213-214, SECTOR 34-A, CHANDIGARH -U.T. 160 022 (INDIA) www.allengers.com

DOMESTIC SALES :  
Ph : +91 172 3012280-84  
Fax : +91 172 2621913  
sales@allengers.net

INTERNATIONAL SALES :  
Ph : +91 172 3012285, 3012287  
Fax : +91 172 2621912  
exports@allengers.net

EUROPEAN REPRESENTATIVE :  
JMC Medical Sprl (Mr. Jean Marc Claeys)  
58, Avenue du Parc de Woluwe, B-1160 Bruxelles, Belgium  
Tel. : 00/32.2.672.56.44 Fax : 00/32.3.662.29.92 E-mail : jmc@beon.be

TOLL FREE NO. 1800-266-8800 (INDIA)

For detailed technical specifications, please refer to the respective product data sheets / quotation.  
Due to continuous product improvements, specifications and appearance are subject to change without prior notice.

AMSL/VOL-2(10/14)

**Allengers**

Passion for excellence



Fight against breast cancer

through superb imaging



Think Health ...  
... Think Fairy

**Fairy**

MAMMOGRAPHY  
( Isocentric Model )

### ABOUT US

Welcome to the world of Allengers, a world that understands your needs, a world that actually cares. Allengers, an Indian MNC, National Award Winner - Quality Products from the Prime Minister of India, is a leading manufacturer covering a wide spectrum of medical diagnostic equipments.

Huge advancements have taken place in last two decades in mammography. Allengers, years of expertise in imaging solutions, coupled with innovative research has resulted in providing a cost effective Isocentric mammography machine for ensuring better health care for women.

## Cost Effective Cost Effective and Faster Workflow

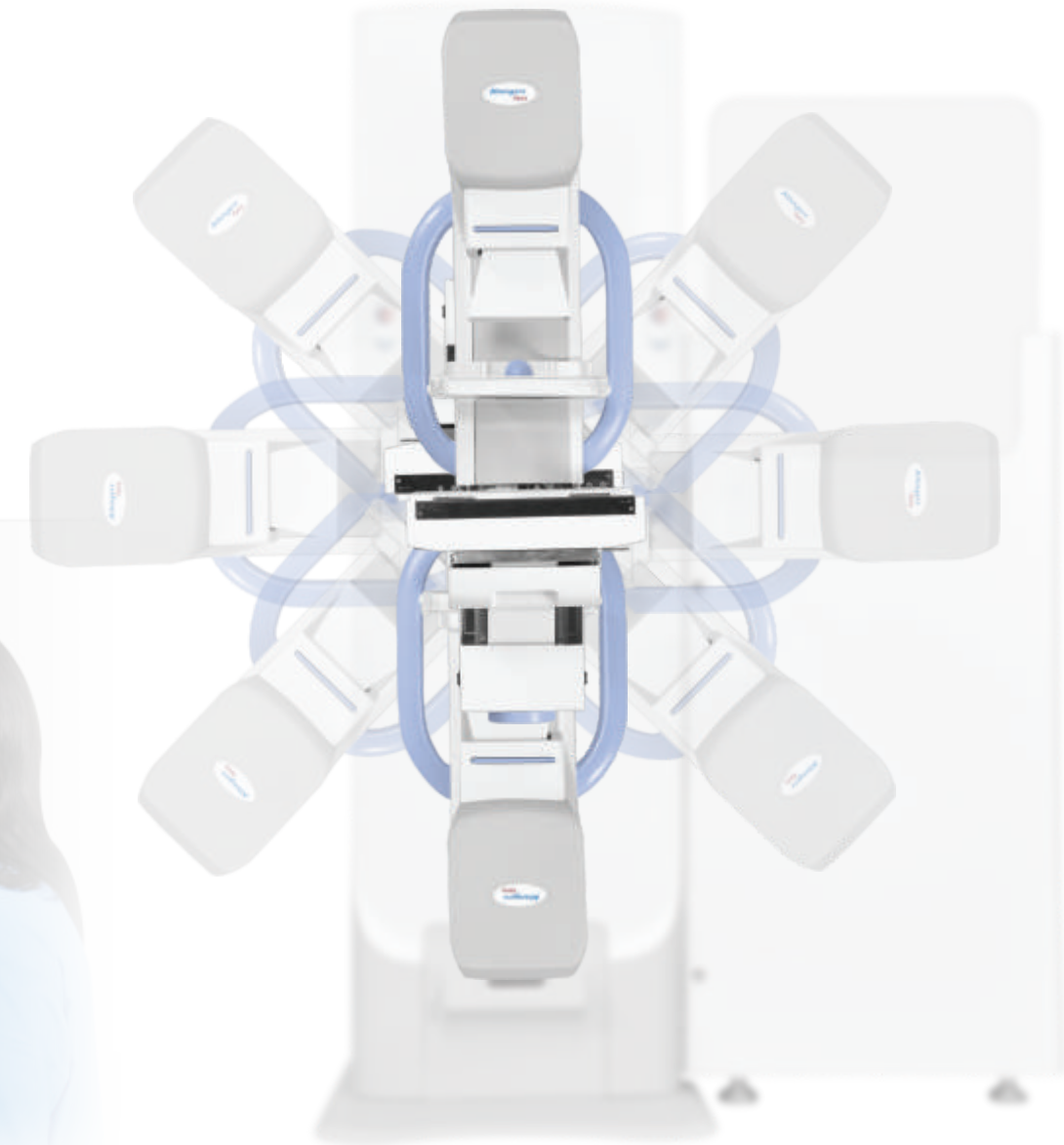


A mammography unit that turn faster workflow into high patient throughput.

- ◆ Isocentric gantry.
- ◆ Manual two point technique (KV, mAs).
- ◆ Anatomical Programming Radiography (APR) for different breast size.
- ◆ Automatic Exposure Control (AEC) for auto selection radiographic factors as per patients anatomy.



## ISOCENTRIC Isocentric Rotation



### Isocentric Advantages at a Glance

- ◆ No need to reposition the patient - gantry up / down movement for taking different projections.
- ◆ Faster treatment.
- ◆ Gantry always rotates around the target.
- ◆ Motorized gantry movement for quicker positioning and operator convenience.
- ◆ More accurate and faster biopsy procedure.



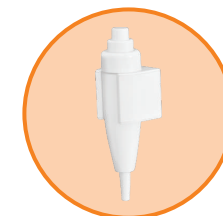
## Comfort and Care Ultimate Comfort and Utmost Care

This unit will help you to achieve your goals without compromising patient comfort and care.

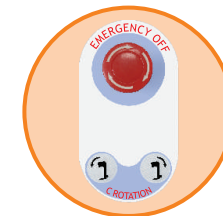
**Fairy** is designed in such a way that provides fine balance between best patient care and safety. Its unique design ensures that the technologist is never far from the patient when operating the machine.

- ◆ Microcontroller based embedded platform to ensure accurate delivery of exposure parameters.
- ◆ Automatic compression locking after maximum compression of compression paddle.
- ◆ Earthing interlock is provided in the machine for safety of user and machine (without proper earthing machine would show error).
- ◆ Fast compression release mechanism in case if patient is uncomfortable with compression.
- ◆ Automatic breast release after X-Ray exposure is completed.

## Features Key Features



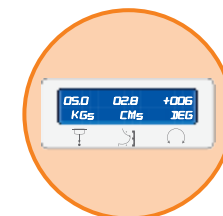
2 Step Exposure Switch



Emergency OFF & Gantry Control



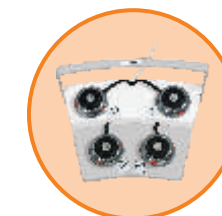
Exposure with Magnification Device (1.5x or 1.8x)



Big LCD display for CBT, compression force & gantry angle



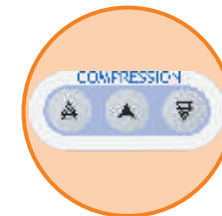
Exposure protection cone



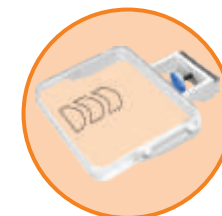
Foot switch control for gantry



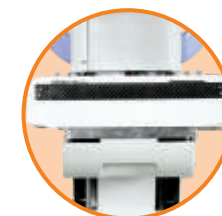
Digital Biopsy



Both Side Compression Control



Removable Compression Paddle

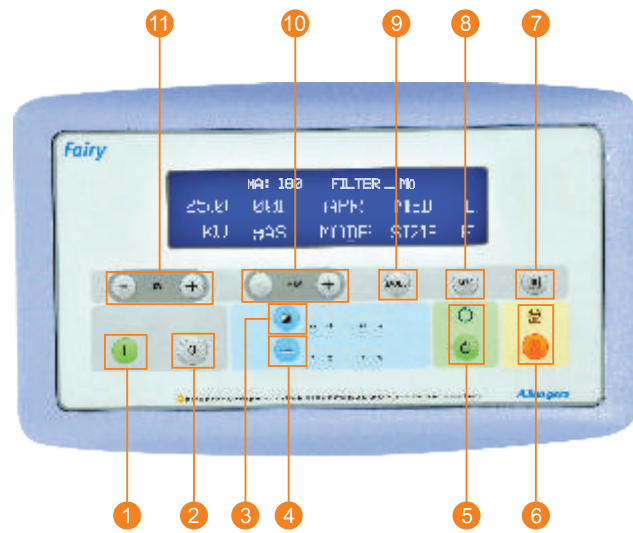


X-Ray Film Bucky

# Appealing Design Aesthetic Perfection

## Control Panel

Micro processor controlled feather touch control panel with LCD display



1. Machine ON switch.
2. Machine OFF switch.
3. Film density selection switch with indicators.
4. Film screen selection switch with indicators.
5. Ready switch with indicator.
6. Exposure switch with X-Ray indicator.
7. Filament selection switch.
8. Breast size (small/medium/large) selection switch.
9. AEC / APR mode selection switch.
10. mAs (increase / decrease) switch.
11. KV (increase / decrease) switch.

## Exquisite Imaging Ergonomics



## Gantry Rotation for Biopsy



### Up / Down Movements

Jerk free motorized up/down movements are controlled from foot switch for hands free operation.



### Digital Stereotactic Biopsy System (optional)



**LIVE HEALTHY**  
BEAT THE DISEASE  
BEFORE IT'S TOO LATE