

When Every Detail Counts,  
**BRAVO PLUS** Can Make  
All The Difference

### SPECIAL FEATURES OF BRAVO PLUS



#### Automatic Exposure Control (AEC)

- Auto selection of radiographic factors as per patient's anatomy.
- Saves time.
- Eliminates retakes.
- As an AEC monitors the X-rays transmitted through the breast, it increases the diagnostic capability.
- Lowers dose.
- Full featured automatic exposure control with 5 step density control and 5 different film screen combinations. A solid state detector ensures the accuracy and exposure consistency.

#### Anatomical Programme (APR)

- For quick and fine selection of radiographic parameters for optimum image quality.
- 3 step anatomical programming for different breast sizes (small, medium and large).

#### Stereotactic Biopsy Compatible

- Fully compatible with digital stereotactic biopsy device to perform FNA, FNL and Core biopsies.
- Special emphasis has been laid for patient comfort during biopsy procedures.



Imaging That Interprets  
**Fine Details**

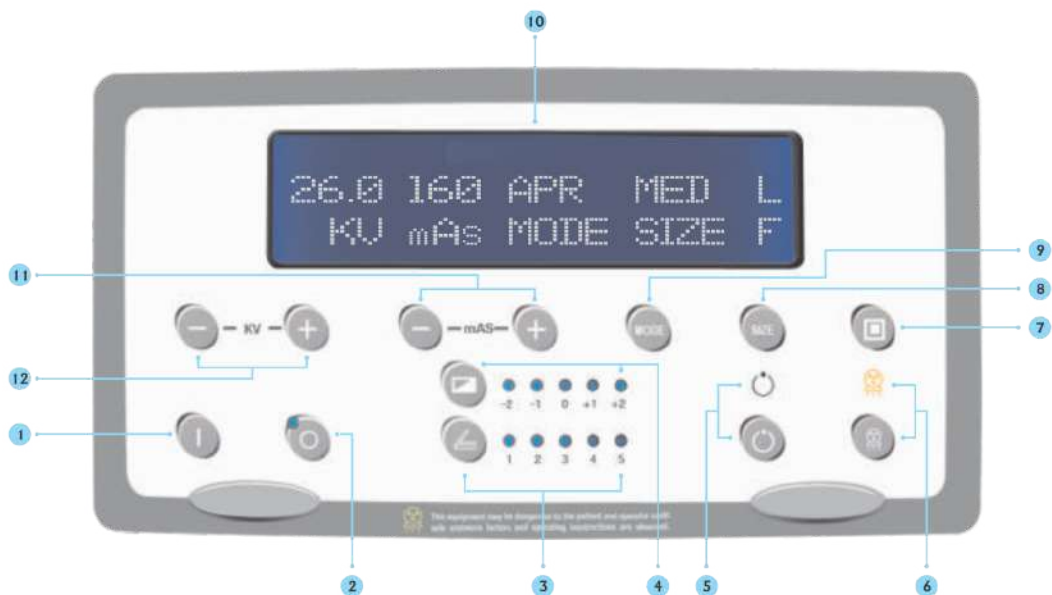


Cancerous area shown as a dense, white patch as seen on a mammogram.



Mammography can detect breast cancer early, providing a better chance for a cure.

### ERGONOMICALLY DESIGNED CONTROL PANEL FOR MULTIPLE MODALITIES



1. Machine ON switch.
2. Machine OFF switch with indicator.
3. Film screen combination switch with indicators.
4. AEC Film density control selection switch with indicators.
5. Exposure ready switch with indicator.
6. Exposure switch with X-Ray indicator.
7. Filament selection switch.
8. Breast size (small / medium / large) selection switch.
9. Mode (APR/AEC) selection switch.
10. LCD display.
11. mAs (inc./dec.) switches.
12. KV (inc./dec.) switches.

### TECHNICAL SPECIFICATIONS

#### X-ray Generator

X-ray generator : High Frequency (HF) X-ray generator

Maximum power : VENUS : 3.5 KW / VENUS<sup>+</sup> : 5.0 KW

#### Stand Assembly

**Breast compression :** Automatic compression with digital display of compression force. (provision is given for release of compression paddle on power failure.)

**Collimator :** Light beam collimator with auto shut off after 1 minute.

**Magnification device :** 1.5x / 1.8x

**Exposure switch :** Hand switch with retractable cord for initiation of exposure

**Bucky assembly :** Bucky with motor operated oscillating grid of 18 x 26 cm for cassette of size 18 x 24 cm.

**Film marking device :** Alpha numeric identification system.

**Filter changer :** Molybdenum and Aluminium filter changer.

**Protection screen :** Free standing, transparent lead glass for operator protection.

#### Power Requirement

230 V AC ( $\pm 15\%$ ), Single phase, 50/60 Hz (or as per voltage/frequency. available), 15 amps with independent earthing on the wall socket.



#### Standard Accessories

Cone, Collimation plate for 18 x 24cm, Compression paddles (normal & spot), Retractable cord, Film marking device.

#### Optional Accessories

Bucky with motor operated grid of 24 x 32 cm, Collimation plate for 24 x 30 cm, Rhodium filter (in lieu of Aluminium Filter), Magnification device (1.8x), Cassette sizes for 18 x 24 cm / 24 x 30 cm.

#### Additional Devices (Optional)

Stereotactic biopsy device, Collimation plate for biopsy, Digitizer, Analog biopsy (hole plate), Dual angle tube ( $10^{\circ}/16^{\circ}$ ), Dual metal tube, Patient chair, Phantom.

#### X-ray Tube

X-ray tube : Rotating anode X-Ray tube

Target material : Molybdenum

Focal spot : 0.1 mm & 0.3 mm (IEC 336/EN 60336)

#### Mechanicals

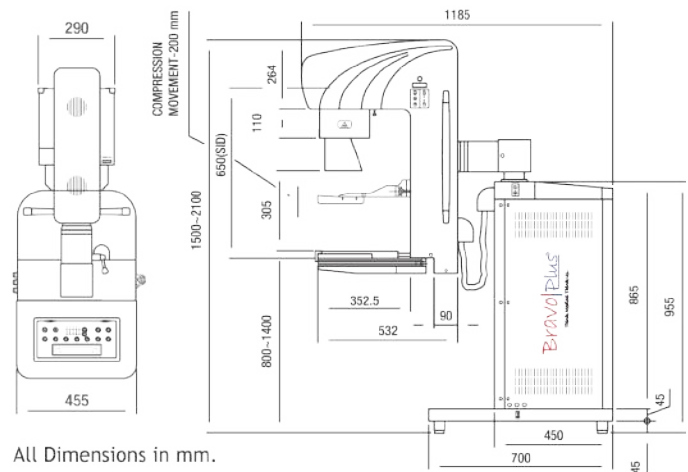
Vertical movement (motor operated) : 600 mm

Angular movement of X-ray tube & bucky :  $\pm 180^{\circ}$

Source to image distance (SID) : 650 mm

Compression movement : 200 mm

Protection screen : 680 mm x 1800 mm



All Dimensions in mm.



#### Folding Positions for Biopsy Compatibility