Forever Medical

YJ-9800D Mammography System

Packing Details:

Item	Length * Width *height/mm	Weight/kg
Host machine (without packing)	2000 *560 *940	150
Operation platform (without packing)	905 *560 *350	46
Host machine (packing)	2160 *690 *1150	210
Operation platform (packing)	1050 *700 *600	60

I. Application

A mammogram is a special, low-dose X-ray technique used to take a picture of the breast, detecting and diagnosing any abnormal lumps or masses in breast tissue. It is one of the best tools for the early identification of breast cancer. With early identification, breast cancer can be cured while in the first stage, and recovery is more likely.

II. Specification

Item	Parameter	Remark
X-ray Generator	Generator Type: High Frequency Inverter 80kHz Radiographic Ratings: Large Focal Point 20-35kV/10-510mAs Small Focal Point 20-35kV/10-100mAs Power Rating: 6kVA	Self-developed and world advanced all-solid-state high frequency high voltage x-ray generator
X-ray Tube	Focal Spot Size: Dual Focus 0.1 / 0.3mm Target Material: Molybdenum (Mo) Port Material: Beryllium (Be) High-speed anode drive: 2800 /10000rpm Target angle:10°/16° Anode Heat Storage: 300kHU Anode Cooling: Air cooling Filtration: Mo（0.03mm）Al（0.5mm）	**Model: IAE C339V**
Radiographic Stand	C-ARM Vertical Movement: 590mm Center of electric rotating C-arm, automatic return function by one key Rotations Degree: +90°～-90° Automatically released after the exposure pressure settings display. Compression flexible stepless speed. Max. pressure: 200N Max. travel: 150mm SID: 650mm	
Cassette Image Receptor	Bucky Device: 18×24cm Bucky drive mechanism Grid Ratio: 5:1, 30 Line/cm	24x30cm for optional
Others	**Line Voltage** 220V ac±10%　25A, Single phase	110V for optional

III. Configuration:

No.	Item	Quantity
1	X-ray Tube	1
2	X-ray Generator	1
3	Radiographic Stand	1
4	C-ARM	1
5	Cassette Image Receptor	1
6	Compression devices	1
7	Comfortable Compression	1
8	Paddle switch	2
9	Control console	1
10	Exposal switch and connected line	1
11	Power wire	1
12	Grounded wire	1
13	Fuse	2
14	Operation manual	1
15	Maintenance Reference Manual	1

IV. Features:

1. Unique adopt all-solid-state high frequency high voltage generator. This technology has got the PATENT IN THE USA.
2. The safest mammography at high voltage. There is a built-in X-ray ignition coil in host machine, high-voltage power lines less then 25cm.
3. Electric Isocentric rotating C-arm with a unique automatic back to center function.
4. Optional the third generation imported moving grid.
5. Optional auto/semi-auto/manual, three kind exposure modes.
6. Optional image output device: digital film printer.
7. A total of 3 pieces of large size full color LCD screen display, operation table 8 inch LCD screen is a touch key.

8. Comfortable Compression

When some degree of pressure is required for radiography, it allows you to presser the appropriate pressure(up to a maximum of 20kg)and is equipped with MICOM Control's Soft-touch system which is designed to minimize the discomfort of the examine with in the pressure range.

Tissue Compression: Manual and Motorized (Max 20kg)
Compression Force and Thickness Data Display
Micro Control's Compression
Automatic Release

9. Intelligent Automatic Exposure Control（AEC）

With the Automatic Exposure Control system, it is possible to produce images with reliable intensity suitable for and film, screen, or method of radiography.

Furthermore, it greatly enhances the convenience of radiography by embedding the Full-AEC function which is capable of utilizing the Auto kV

Type: Solid-State Detector
Microprocessor Control

AEC Mode: Full AEC（Auto kV）
Semi AEC (kV Select)
Manual (kV,mAs Select)

Density Adjustment: 16 density steps

10. X-ray Tube

Model: **China Hangzhou LR01**

Focal Spot Size: Dual Focus 0.2 / 0.4mm

Target Material: Molybdenum (Mo)

Port Material: Beryllium (Be)

High-speed anode drive: 2800 /1000rpm

Target angle:12°/12°

Anode Heat Storage: 100KJ（150KHU）

Anode Cooling: Air cooling

Filtration: Mo（0.03mm）Al（0.5mm）