

**MOA**

*Management Development Apparatus*

di Riccardo Blasi

# Roomlight Mammography

18x24 and 24x30 cm

(RM/2F)



The **Roomlight Mammography** is a highly reliable roomlight cassette loader/unloader for mammography film. Two versions of the **RM** are available; the "Processor Interface" and "Stand-Alone" version.

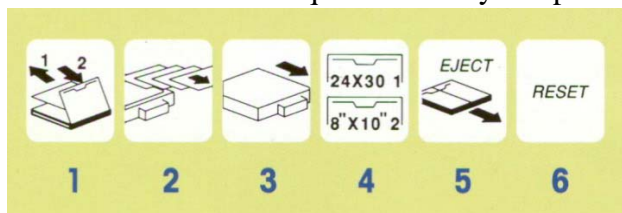
With the "Processor interface" version, the **RM** is connected in-line with a processor or the **RM** can be installed above a processor using our vertical interface, (the Kodak X-Omat M35-M is the standard processor configuration but with modification to the system, processor for various manufactures could be used). The vertical interface considerably reduces the space requirements for the system, making it ideal for a small department where space is at a premium.



The "Stand-Alone" version is ideal for use in mobile van application or at a site with no film processing facilities. With this version, the exposed film is loaded into a magazine for processing at a later time using either a second **RM** attached to a film processor in "Serial Unload" mode or using an automatic film feeder.

The **RM** loads and unloads cassette in full daylight and will accept both 18x24 cm and 24x30 cm cassettes (the Kodak Min-R2 cassettes is the standard configuration but the system can be made compatible to accept cassettes from various manufacture, for example Agfa, Fuji, Konica, Okamoto, etc.). The **RM** is fully automatic and microprocessor controlled. This means that it is quick and easy to operate and will give you important information regarding the machine operation and status.

For example, the following operation can be selected from the touch buttons on the front panel of the **RM**.



#### **Unload Only (button 1)**

The cassette can be unloaded and returned empty. This can be useful, for example, when you wish to clean the screens.

#### **Serial Unloading (button 2)**

This is used for batch processing large numbers of film. Films are removed, one after the other, from a magazine and fed into the processor. You can interrupt at any time if you have an important film to process and the continue with serial unloading.

#### **Change Film Format (button 4)**

Simply by the press of a button you can select which film format you wish to use. In the case of the 8x10 inch format for ultrasound, the **RM** will instruct the operator to remove the 24x30 cm magazine and replace it with the 8x10 inch magazine.

In addition, optimum image quality is achieved by use of a built-in humidifier, which conditions the internal machine environment to help eliminate film artifacts caused by low humidity conditions.

The current **RM** is based on our product that has been successfully sold in Europe for many years with over 600 installations. It incorporate 21 years of experience in automated film handling in radiography department in a wide range of countries, to bring you an exceptional system to fill you needs.



## SPECIFICATIONS

VERSION	HEIGHT	WIDTH	DEPT
Dimension in mm (inch)			Footprint Total
Vertical processor (including interface)	1235 (49 in)	722 (29 in)	769 (30 in) 917 (36 in)
Stand - alone	663 (26 in)	650 (26 in)	740 (29 in) 865 (34 in)
Allow 60 cm (30 inches) on each side for servicing			
<b>Weight:</b> 130 Kg (276 lbs) ("MAMMOLOADER™" only)			
<b>Film sizes:</b> 18x24 cm, 24x30 cm, 8x10 inch			
<b>Magazine capacity:</b> 110 films per magazine			
<b>Cassette loading time:</b> 12 to 16 seconds			
<b>Film capacity:</b> 240 hr (maximum w/90 sec. cycle processor)			
<b>Power supply:</b> 100 / 110 / 120 / 220 / 230 /240 V - 50 / 60 Hz			
<b>Power consumption:</b> 500 WATTS			
<b>Installation requirements:</b> Room temperature 16-24 degrees C (60-75 degrees F) Relative humidity 40-60% RH or 25-60% RH using supplied humidifier			
<b>Room illumination level:</b> Should be not greater than 5000 lux (465 foot - candles)			
<b>Noise level:</b> < 65 dB (A) (MAMMOLOADER™ only)			
<b>Heat output:</b> Negligible from MAMMOLOADER™			
<b>Humidifier:</b>	<b>Water:</b> 0,3 to 5 bar; 4-29°C (4,5 to 72 lbs/sq. inch at 39-84 degrees F) 1L/24 Hours (average) 50 micron water filter to be supplied by customer		<b>Drain capacity:</b> 1/liter/min. (0,3 gallons/min. minimum)
<b>Safety standards:</b>	UL94-5VA INFLAMMABILITY, CE, EN 60950, EN 55011, EN 55014 E POST VFG 243, EN 55022, EN 55082-1, IEC 380, IEC 801-3 (1994), IEC 801-4, EEC 87/308, EEC 82/499 EWG, EEC DIRECTIVE 76/889, VDE 0839  UL 122 SAFETY STANDARD FOR PHOTOGRAPHIC EQUIPMENT		
	LISTED PHOTOGRAFIC EQUIPMENT (33EF)	