
Protec OPTIMAX

Robust & Reliable Automatic X-Ray Film Processor
The Standard of Excellence in 90 Second Processing



*The **OPTIMAX** is the world's premier 90 second automatic x-ray film processor. Designed as a robust workhorse, the **OPTIMAX** can handle film volumes from very low to a higher capacity.*

*The proven design of the **OPTIMAX** is efficient with energy, water & chemical use, saving the **OPTIMAX** owner money while delivering outstanding quality images.*

*The **OPTIMAX** is manufactured by Protec Medical in Germany in compliance with DIN ISO 9001:2000, IEC, TUV, CE, CSA, and UL quality standards.*

*The **OPTIMAX** sets the standard of excellence for 90 second automatic x-ray film processors.*

Features & Benefits

- Lightweight yet robust tabletop processor
- 90 second processing speed, leading edge to leading edge
- Energy and water saving design limits run time to when film is actually being processed
- Anti-oxidation and anti-crystallization programs result in chemical savings and outstanding image quality
- Intelligent replenishment sensor limits chemical use resulting in chemical savings
- All components are easily accessible underneath for service
- Temperature control on the front panel for ease of use
- Top film feed and top return for convenience
- Film transport rack design with spring loaded rollers helps eliminate film jam problems found with other brands
- Quality polyurethane & rubber rollers for outstanding image quality and no artifacts
- 1 year parts and labour warranty
- Meets ISO, IEC, CE, TUV, CSA & UL quality standards
- Made in Germany by Protec Medical

Standard Equipment

- Comes complete and ready with all components for tabletop processing
- Levelling legs for uneven surfaces
- Spare parts kit
- 6.6 gallon (25 liter) replenishment tanks with filtering replenishment straws
- Floating lid for developer tank
- Water supply hose
- Tubing and hardware
- Installation, Operating and Parts Manual
- 220-240VAC version standard

Options

- Stand
- No Plumbing Kit for closed loop operation
- Silver trap
- Mammography version



Unit B, Aquarius Centre
Edison Close
Waterwells Business Park
Quedgeley
GL2 2FN

T: 01452 347101
E: info@photonsurgicalsystems.co.uk
W: www.photonsurgicalsystem.co.uk

Protec OPTIMAX

Robust X-Ray Film Processor

Minimum Darkroom Requirements

Electrical

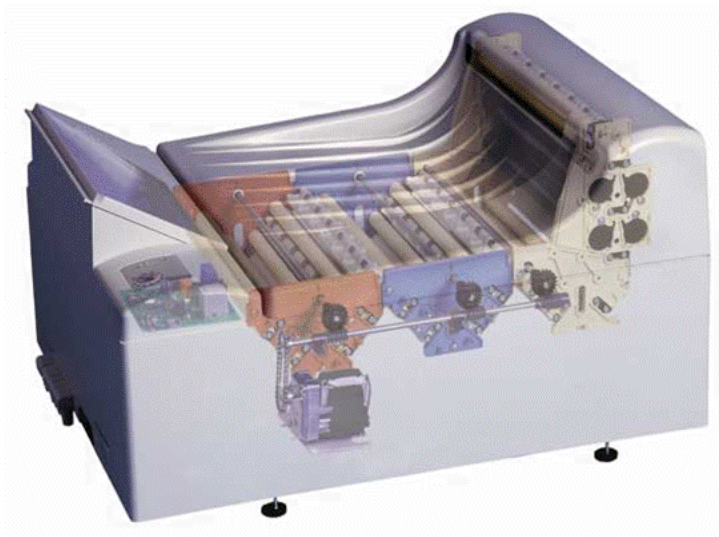
- 115V, 50/60Hz, 15A Service (Operating Range 110-120V)
- 230V, 50/60Hz, 10A Service (Operating Range 220-240V)
- Energy use of 1.4 kWh during processing and 0.12 kWh in standby mode.
- Dedicated line strongly recommended.
- Use of a multi-outlet adapter or extension cord will void the warranty.

Water

- Cold water only with recommended temperature between 41-78°F (5-26°C).
- Water connection of 3/4" with 29 - 145 psi (2 - 10 bar).
- Minimum drain diameter of 2 inches (5 cm) at a maximum of 12 inches (30.5 cm) above the floor.
- Water consumption of 0.50 gal/min (1.9 liter/min) during processing.
- Water consumption of 0.0 gal/min (0.0 l/min) in standby mode.
- In-line water filter strongly recommended when water supply contains contaminants or particulate materials.
- Do not use copper drain pipe or fittings. Use cast iron or PVC.

Space

- Actual dimensions 30" (77 cm) long by 23" (59 cm) wide by 16.5" (42 cm) tall.
- Please allow adequate clearance on sides, back and top of processor for ease of use, maintenance and service.



Unit B, Aquarius Centre
Edison Close
Waterwells Business Park
Quedgeley
GL2 2FN
T: 01452 347101
E: info@photonsurgicalsystems.co.uk
W: www.photonsurgicalsystems.co.uk

PRODUCT SPECIFICATIONS

• Film Size

4" x 4" (10 cm x 10 cm) min. to 14" (43 cm) X any length max. Will accept roll film

• Processing Time

90 seconds (factory set), leading edge to leading edge

• Developer Temp

82-99 °F (28-37°C), adjustable

• Replenishment

Rates adjustable either 450 ml per 10 sq. ft. (ml/m²) or 600 ml per 10 sq. ft. (ml/m²) Manual pumping selection allows for automatic fill of the internal chemical tanks

• Net Weight (Empty/Filled)

77/110 lbs (35/50 kg)

• Tank Capacity

1.3 gallons (5.0 liters) in each section: developer, fixer, water

• Film Drying

Warm circulated air, factory set to 149°F (65°C)

• Chemical Storage

6.6 gallon (25 L) tanks
10 gallon (38 L) tanks optional

• Film & Chemistry

Use standard medical x-ray film and chemistry formulated for automatic medical x-ray film processors.

Film Processing Capacity

Measured at 90 Second Processing Speed
10" X 12" (24 X 30 cm), 129 films per hour
14" X 17" (35 X 43 cm), 75 films per hour

Full Maintenance &
Technical Support Service
Available