

NDT M eco

Compact and ecological Film Processor

The NDT M eco processor is the smaller version of the NDT S eco. This compact film processor occupies a minimal amount of space in your darkroom.

The NDT M eco is versatile, in the laboratory or transportable in a mobile site darkroom. It processes sheet film as well as roll film up to any length. Specially designed for consumers of small and medium sized quantities of film.

The ease of use and the problemfree maintenance make the NDT M eco an extremely user-friendly and reliable processor.



Ecological design

The NDT M eco also lives up to expectations ecologically with:

- the revolutionary cascade fixing system which reduces the amount of silver in the waste water
- the economical consumption of water and electricity
- the infrared drying which reduces the amount of heat produced in the dark room to a minimum
- the optimal replenishment system as a result of film surface scanning

- the intermediate washing system which ensures that there is hardly any carry-over of developer into the fixing tanks, this keeping the fixer bath in optimum condition. This system also prevents development faults occurring on the film.

Exact replenishment

Forward of the film feed slot, 5 rollers accurately measure the surface area of the film. This unique film area scanning ensures a precise economic and ecologic replenishment operation.

Cascade fixing

The cascade fixing system is an entirely new concept for processing X-ray films.

The NDT M eco processor is built with two successive fixing tanks replenished on the counterflow principle.

The result is nothing less than revolutionary in terms of the amount of silver in the wash water.

The cascade fixing principle is basically very simple: the exposed film is first developed in the developer tank and then washed in the intermediate wash tank.

The film is then 100% fixed in the first fixer tank and rinsed in the second fixer tank.

Since fixer replenishment is carried out in the second fixer tank, the concentration of silver in this tank remains very low.

There is also very little carry-over of silver into the water tank, so that the waste water complies with the most stringent standards.

The "cascade fixing" system ensures that the amount of silver in the wash water is only 40 mg/m², thus remaining within the limit < 50 mg/m² which we expect to be introduced as the European norm in the future.



Minimal running costs

The accurate replenishment, as described above, imply low chemical consumption.

In addition, during film processing only an ecologically justified volume of water is used and the consumption of electricity is particularly low due to the infrared drying system.

Low heat emission

The infrared drying system ensures uniform drying of your films and keeps heat accumulation in the dark-room to a minimum. As a result, a convenient working temperature is maintained.

User information

- The display shows information on the process, such as actual developing temperature. The dryer level can be set incrementally.
- The NDT M eco is delivered with a practical user manual.

Accessories

- Light tight cover 38KTB
- Two replenishment tanks of 30 litres 3779N
- Water filter with filter cartridge EM3YK
- Support 3BNMQ

Peripheral equipment

- NDT Mixer 50 Hz 3U66F



Technical specifications - NDT M eco

Table below shows standard values (modifications possible)

Preprogrammed Cycles	1
Optional Cycles	3 min up to 12 min (steps of 1 min.)
Standard Processing Cycle	9 min
Immersion time D/F1/F2/W	100/100/72/72 sec
Capacity film/hour (8 min. cycle)	
10 X 48 cm (4 films side by side)	92
14 X 17"	30
Transport speed	20 cm/min
Film sizes Format	min
Width	min 3.5 cm
max 43 cm	
Length	min 12 cm
max (3.5 cm wide)	2 m
(≥ 6 cm wide)	any length
Rollfilm curl O/	> 30 cm
Tank capacities	
Developer tank	10 litre
Fixing tank (F1/F2)	10/9 litre
Final wash tank	9 litre
Standard Consumption	
Developer	900 ml/m ²
Fixer	1200 ml/m ²
Water	12 litre/m ²
Chemistry	
Developer	G 135 + G 135s
Fixer	G 335
Dimensions	
Length	145 cm
Bottom	86 cm
Width	66 cm
Height	60 cm
Surface on floor	0.56 m ²
Weight	
Empty	117 kg
With chemicals	160 kg
Power supply	12 Ampère
	50 / 60 Hz
	100/120/200/208/230-240 Volt

Operating diagram

- 1 Film input
- 2 Film area scanning
- 3 Developing tank
- 4 Intermediate washing area
- 5a Fixer tank F1
- 5b Fixer tank F2
- 6 Final washing area
- 7 Infra-red dryer
- 8 Film output
- 9 Film receiving tray
- 10 Overheating protector

