

Automatic Developer Unit • XR 24 NDT

The „Laptop“ among automatic developer units



small • light • fast • reliable • robust



Automatic Regeneration



Processor Control



Simple Service

MADE IN GERMANY



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Professional Developing

Professional film developing is a complex process which depends on the precise keeping to certain parameters. Essential elements of optimal film development are the keeping of the constant temperature of the chemicals and their concentration as well as the exact film processing time.

If only one of these parameters does not stay constant this will immediately be seen at the image quality.

By means of the exact process-control of the XR 24 NDT, perfect developing results become a matter of course.

Automatic Process Control

By means of the integrated process-control pre-selection of the various developer programs will be possible by touching only one button.



This means that switching from one to another development cycle can be done by touching only one button.

Permanent Process Control

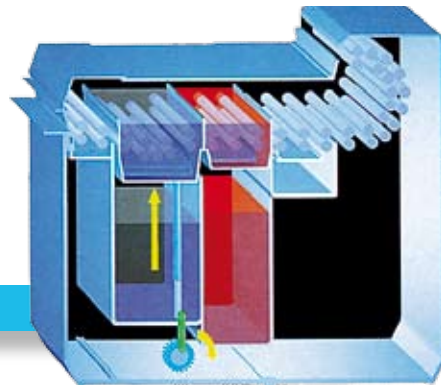
The respective status of the automatic developer unit is shown on the clear display panel at any time. By this, errors will become the exception, costs will be reduced and time saved.



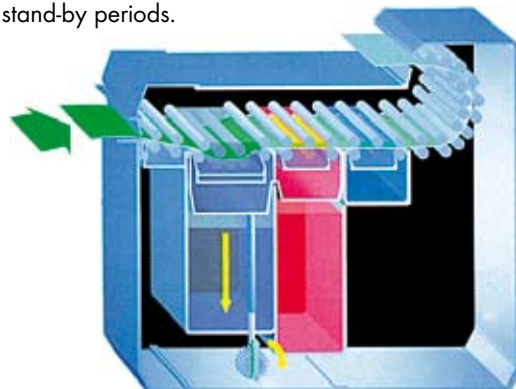
Submersible Tank Technology

The XR 24 NDT has been designed with an extraordinary clever submersible tank technology. This means, that the transport-rollers will not dry out during longer stand-by periods, because they will be lowered under the tank fluid level and be submerged.

Therefore, neither developer nor fixative can crystallize on the rollers damaging the sensitive film material during the next developer cycle.



Because of the submersible tank technology the roller system always remains below the fluid level during the stand-by periods.



During the developing phase, the tank-lift will be sunk automatically and by this the film can circulate.

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The Size makes the Difference

One of the remarkable features of the XR 24 NDT is its size. With a width of only 42 cm, a depth of only 51 cm and a height of only 44 cm the unit is almost cube-shaped.

These compact dimensions make the XR 24 NDT the ideal companion for any mobile testing job, where a max. 24 cm film width is sufficient and if a fully automatic film development is desired.

X-ray Chemicals

Dürr NDT has developed a completely new set of X-ray chemicals for the XR 24 NDT. However, this also can be used with every other make of automatic developer and even for manual developing.



Perfect Coordination

During the development of new chemicals, Dürr NDT has put special emphasis on achieving the best application results in combination with all applicable makes of films in the NDT-sector.

In the production of its X-ray chemicals, Dürr NDT has done completely without carcinogenic substances such as hydroquinone and aldehyde.

Instead of these, we use Vitamin C which, more than anything else, reduces the accumulation of silver and the appearance of humic matter, which exactly are the substances which in conventional X-ray chemicals are responsible for causing dirt in the chemical tank and on the transport rollers.

Regeneration Unit

If there is a higher volume of film development of more than 5 films a day (10 x 24), automatic regeneration is strongly recommended.



The regeneration unit pumps an exactly determined amount of developer and fixative liquid from the storage-tanks into the baths of the XR 24 NDT.

Cleaning and Service

Even cleaning and service show the properly thought-out concept of the Automatic Developer Unit XR 24 NDT.

After having removed the roller set from the machine, the cleaning of the transport system can quickly and efficiently be done.



Cleaning Agents and Cleaning Sets

Especially developed cleaning sets ensure a long life cycle and best developing results at any time.



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Technical Data	Automatic Developer Unit • XR 24 NDT
Voltage	230 Volt
Frequency	50 - 60 Hz
Current Consumption	4.0 A
Power Output	950 Watt
Bath Heating	400 Watt
Drier	450 Watt
Warm-up time	ca. 14 min (0.5 °C/min)
Film processing time	2.45 min - 20 min
Water flow rate	2 l/min
Water pressure min/max	2 / 6 bar
Tank volume developer/fixer	each 5 l
Dimensions (WxDxH)	42 x 51 x 44 cm
Weight	25 kg
System solutions	stationary or portable operation with and without regeneration phase

Film format (example)	Films parallel	Films per hour at processing times of		
		5,5 min	8,0 min	10 min
6 x 24 cm	3	66	46	37
6 x 48 cm	3	30	21	15
10 x 24 cm	2	44	31	24
10 x 48 cm	2	20	14	10
9 x 12 cm	2	74	52	42
24 x 30 cm	1	20	14	11



Darkroom light



Cleaning film



Cleaning set for roller set

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