XR 24 NDT

Automatic X-ray Film Processor

The "Laptop" among the automatic X-ray Film Processors

hand made in Germany

DÜRR NDT

XR 24 NDT • Specially conceived for mobile X-ray film processing

DÜRR NDT • Experience from more than 250,000 machines

Experience from more than 250,000 machines

Since the start of production of developing devices, several generations of machines have been created within the group. With more than 250,000 installed units worldwide, the DÜRR Group is one of the world's leading manufacturers of analogue film development machines. Even in times of increasing digitalisation, DÜRR NDT continues to invest in the optimisation of analogue film development equipment and focuses increasingly on mobility.

Mobility

The growing mobility of our society also affects analogue film development. That's why DÜRR NDT offers a system which meets the demand for mechanical and therefore reliable development, wherever you are. With the **XR 24 NDT,** a machine is available which, when equipped with a daylight loader, can even be loaded with films under normal light conditions, making a darkroom superfluous.

XR 24 NDT • Portable automatic developing system with daylight option

The ultra-portable **XR 24 NDT** is recommended as a system for the automatic development process of smaller amounts of film during mobile operation, whose film format does not exceed the maximum width of 24 cm / 10".

Thanks to the microprocessor control unit, perfect development results are a matter of course.

The optional daylight loader makes it possible to operate the system in daylight, rendering a darkroom obsolete.

The complete system is thus particularly recommended for short periods of use on location, where the benefits of processor-controlled development are to be combined with maximum mobility, without the need for a darkroom.

- **No darkroom needed**
- **Ultra-portable**
- **Fully automatic**
- **Proven**
- **Easy maintenance**

Details

Reliable analysis due to highest resolution

Robust

Long-lasting, tough and durable

Experience

Technology proven in more than 250,000+ units

hand **MADE IN GERMANY**

Development and production in Germany

XR 24 NDT • X-ray film processing of the highest level

Integrated dryer

Perfectly developed films after careful drying.

Fully automatic

Processor controlled developing and intuitive operation.

Small and portable

Ultra-portable thanks to compact design.

44 x 42 x 51 cm
17" x 16" x 20"
(H x W x D)

Optimal film processing

With precisely manufactured roller packs, every film development is successful at first attempt.

XR 24 NDT • Fully automated film processing for safe developement

Film protected while processing

The patented escalating dip tank technology ensures the transport rollers are always under the liquid level allowing for an uncompromised development process.

No crystallization

Even during lengthy standby periods, the feed rollers will not dry out. Developer and fixer are prevented from forming crystallizations. The sensitive film material is protected during the processing movement.

Recommended accessories

Daylight loader DL 26

With the optional daylight loader, safe development is also guaranteed without a darkroom, especially in mobile use.

The daylight loader is provided with an aperture via which the film envelope can be opened in the inside and the film thus safely fed in from outside without being exposed to light.

The sleeves of the aperture can be mounted at the front and on the sides.

‘Green’ X-ray chemistry • For high efficient manual and machine processing

Unique benefits and special features

Single bottle system

No starter chemicals or additives needed. Simply mix concentrate with water and you’re ready.

Efficient

When regeneration is used, considerably lower regeneration rates are possible than with conventional chemicals.

Freezing and thawing

Even when frozen and thawed multiple times (e.g. during transport), usability is firmly guaranteed.

70% less cleaning

The formulation with vitamin C means that cleaning cycles can be carried out far less frequently.

Almost odour-neutral

More pleasant, almost neutral developer odour.

Health

Forgoing carcinogens (aldehyde + hydroquinone) means that there is no risk to health.

Not a hazardous good

The chemicals do not include any hazardous substances, making low-cost and fast transport to any location possible.

Shelf life

At least 24 months storage stability.

XR 24 NDT • The "Laptop" among the automatic X-ray Film Processors

Technical Data	XR 24 NDT
Dimensions (H x W x D)	44 x 42 x 51 cm / 17" x 16" x 20"
Weight	25 kg / 55 lbs
Power supply	230 VAC / 50 – 60 Hz / 4,0 A
With external transformer	110 VAC
Power consumption	Tank heating: 400 Watt Dryer: 450 Watt
Film detection	1 microsensor
Film format	min. 2 x 2 cm / 0.8" x 0.8" max. width 24 cm / 10"
Film processing time	5:30 – 10:00 min
Film output / hour (development time = 8 min.)	24 x 30 cm / 10" x 12": 11 films 10 x 48 cm / 4" x 19": 16 films
Water flow rate	2 l/min / 0.52 gal/min while processing
Water pressure	min / max 2 / 6 bar
Tank volume	Developer and Fixer each 5 l / 1.32 gal

Accessories

Daylight Loader DL 26

With the quick-connect DL 26 light-safe film feeding without a darkroom is available.

Automatic Replenishment RU 24

Always the right amount of chemistry corresponding to the number of processed films.

Special "green" X-ray Chemistry

Optimal, automatic processor metered chemistry. Free of hazardous materials and therefore unrestricted transportability.

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WPRO100019 RA0001 EN Technical data subject to change.