



NONDESTRUCTIVE TESTING EQUIPMENT

NEW Hydra ADE24/TX

Automatic Anti-Algae System

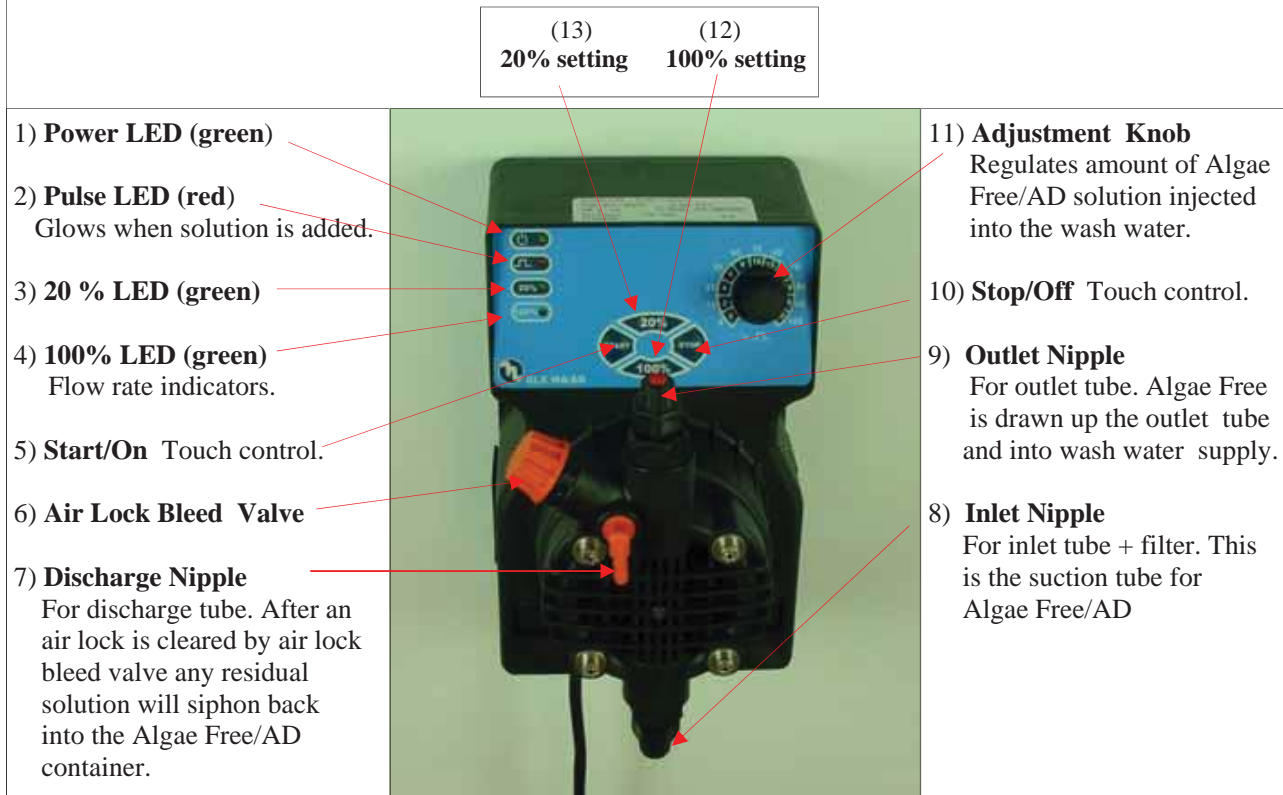
NEW IMPROVED ADE24 SYSTEM WITH ADDED FEATURES

LED indicator lights for Power, Pulse and Flow Rates.

Easy to Read and Easy to Use Controls

Compact Robust Waterproof Unit

Air Lock Bleed Valve



ADE24/TX Dosing Pump Dimensions
4.8 inches by 8.4 inches

The Hydra ADE24/XT Algae Free/AD Fully Automatic Anti-Algae Free Dosing Unit

The Hydra ADE24/XT contains many new features. With upgraded specifications both installation engineers and customers have found that the new layout is easier to read and operate.

The new black, streamlined polypropylene moulded casing is even more robust and is now totally waterproof to IP65 specifications.

The addition of LED display down the left hand side of the pump face, ensures that both you and your customers can now see at a glance when the system is:

- (a) Switched ON or OFF.
- (b) When Algae Free/AD solution is being injected
- (c) Which current flow rate that the pump is set on. Either 20% (normal) or 100% (priming).

To set the dosage simply press 20% setting on the front dial and turn the dial to 3% or above depending upon **Algae Free/AD** dosage required. Note: On water saver processors minimum setting is normally 6%

For priming the pump the 100% setting is used.

The addition of a self bleeding valve eliminates the removal of the pump tubing to clear air locks, making air lock removal simple and safe. An extra pipe fitted on the front of the pump via a discharge nipple allows Algae Free/AD to feed straight back into the 5 litre container when the air lock is cleared

Detailed Description of ADE24/TX Pump Facia

- 1) **Power LED (Green)** Once the unit is switched on this will glow green. This eliminates the problem of the unit being switched off without the customer being aware. At the end of the processing day there is no need to switch the unit off. It will not operate unless the processor is processing.
- 2) **Pulse LED (Red)** Every time that the unit adds a shot of Algae Free/AD this LED will glow red. You can now ensure that the unit is dosing correctly.
- 3) **20% LED (Green)** The normal setting for the system is on the 20% scale. This LED will ensure right setting is visible.
- 4) **100% LED (Green)** This setting is only used to prime the pump i.e. the pump will pump harder on this setting.
- 5) **Start/On Touch Control.** Switches the power to the ADE24/TX unit ON.
- 6) **Air Lock Bleed Valve.** Only used in the event of an air lock. See full instructions for use supplied with ADE24/TX system.
- 7) **Discharge Nipple.** A 'soft' polythene tube is supplied which fits onto nipple. This pipe is inserted into the **Algae Free/AD** container along with the outlet tube. When the airlock is cleared using the Air Lock Bleed Valve any residual solution will siphon back into the **Algae Free/AD** container.
- 8) **Inlet Nipple.** The 'soft' polythene inlet tube is connected onto this nipple. This tube has a filter/weight on the other end and is inserted into container of **Algae Free/AD**.
- 9) **Outlet Nipple.** The 'stiff' polythene outlet tube is connected to this nipple. It is this tube that carries the **Algae Free/AD** into the water supply feeding the wash tank/s.
- 10) **Stop/Off.** Switches the power to the ADE24/TX unit OFF.
- 11) **Adjustment Knob.** Regulates the amount of **Algae Free/AD** added to the water supplying the processor wash tanks. Normal reading is the **BLACK inner dial** and settings will be from **3%** upwards depending upon wash tank size and amount of water per minute. Full information is given by installation engineer or Hydra Help Desk. Once on the correct setting this should not be changed without contacting Hydra or installation engineer.
- 12) **100% Setting Switch.** Touch control to set percentage rate. Normally only used for priming pump.
- 13) **20% Setting Switch.** Touch control to set percentage rate.
Note: This is the normal setting for ADE/24/TX dosing pump.

IMPORTANT: Do not use bleach or any other product NOT manufactured or tested by Hydra through the Hydra ADE24/TX system. To do so will cause internal corrosion and pump failure and Will invalidate any warranty.

NOVA

Compact Film Processor



Straightforward in design and operation.
Superior in quality and performance.

GE Inspection Technologies brings you the all-new NOVA, part of the proven Agfa NDT Film Systems and yet another dedicated processor designed and built specifically for the industrial NDT testing environment. Smart, robust, economic and automatic, it fills the void for a compact processor that performs rugged NDT testing and provides the quality and features users need.

The NOVA is compact to take up little space in labs. It is extremely lightweight and transportable. It consists of state-of-the-art electronics and materials, making it easy to operate and service. And it offers an optional package of product add-ons, called the NOVA Comfort Kit, which allows you to upgrade the processor's performance with easy-to-fit enhancements. Above all else, it continues the reputation of Agfa NDT equipment for assured performance while yielding a superb price/quality ratio.

As an example, its extremely low consumption of power during processing (a max. of 1700 watts) results in significant cost savings over its lifetime (NOVA is equipped with an intelligent power management system).

Whether you are a company with limited film processing needs or one requiring many processors across multiple locations, the NOVA is an excellent choice. Versatile and accommodating, it is as much at home in a small lab as it is on-site at an extensive pipeline project.

Thoroughly tested with the full line of Agfa NDT films and chemicals, you can use the NOVA with utmost confidence to produce optimal film image results.

The entire Agfa NDT Film Systems is backed by GE's highly trained technicians and specialists -- experts who stand ready to assist you with technical support and workflow assistance. Like the processor itself, they are focused on delivering quality and performance to make your job easier.



Makes simple work of achieving excellent film output

A smart choice whatever your field

Our compact processor answers such a variety of needs that companies of every size and purpose will consider it the preferred compact film processor on the market.

The NOVA is ideal for...

- Inspection companies that conduct on-site testing and split their teams along pipelines, refineries and other locations to increase production, thereby needing multiple processors easy to transport and use
- Manufacturing or testing labs using manual processing and looking for a way to automate their processing
- Companies with occasional contracts and needs, requiring film consumption from 10 to 50 films per day
- Companies in need of a back-up processor to provide them flexibility in film processing and to complement their digital solutions.

User-friendly features

- Compact Size.
Takes up only 4.3 sq. ft. or 0.40 m² of floor space.
- Well-Conceived, Lightweight Construction.
Constructed of stainless steel, aluminum and PVC to be corrosion resistance and strong. Yet lightweight (max. 176.37 lbs or 80 kg, excl. NOVA Comfort Kit) and durable for long life performance.
- Globally Adaptable.
Comes in a standard version with state-of-the-art electronics. Worldwide “plug and play” feature allows you to adapt it to any standard outlet, accommodating all voltages globally.
- Easy To Use.
Built with an automatic start/stop function. Film detection with five scanning rollers allow intelligent and economic replenishment depending on the processed film surface. Control display provides visual reference of all process parameters (temperature, dryer settings). An OK light indicates when the next film can be inserted.
- Easy To Self-Serve.
Lightweight aluminum side covers enable easy access to the machine. Racks are easy to remove, clean and service. Circulating pumps are easy accessible and can be easily exchanged by the user.
- Light-Tight Cover.
Designed to protect against light entering the processor, the standard light-tight cover allows the operator to perform other tasks while film feeding into the NOVA Film Processor is ongoing. It also prohibits dust particles from entering the processor to help avoid scratches on the film.



Proven Agfa NDT Quality

The NOVA offers the benchmark quality and outstanding features for which Agfa NDT processors are the given preference worldwide. These exclusive features include:

- Excellent film quality from the first run. The “Intelligent Replenishment” feature means this processor is

always ready to use, even if it has been idle for several hours. The processor sends a pulse, ensuring fresh chemicals are constantly in the processor tanks to deliver high image quality from the first run to the last.

- Low heat emission. The infrared drying system assures uniform drying of films and keeps heat accumulation in the darkroom to an absolute minimum. Work environment temperatures remain comfortable.
- Extremely quiet operation.

Outstanding service and support

- Handy, remote monitoring and diagnostics. The processor connects to the PC of the service technician, direct or remotely. All machine data is transferred quickly and reliably.

- Our service personnel, dispatched from our GE Inspection Technologies global service centers, are best qualified to service and maintain your GE Inspection Technologies equipment.

They offer on-call repair and maintenance visits as well as standard and custom service agreements (Basic, Extended, Premium).



Easy to upgrade with the NOVA Comfort Kit

Because some applications require enhanced operation beyond the processor's standard features, GE Inspection Technologies presents the NOVA Comfort Kit, a package of film processor enhancements, including:

- A Water Saving Solenoid Valve and Water Replenishment Pump. This feature is especially popular in regions where water consumption is monitored. It allows the amount of

wash water supplied to be linked to the surface of the film entering the wash section to accommodate strict environmental rules.

- A Water Filter with cartridge. This feature is especially useful to filter the incoming water into the processor thus guaranteeing excellent film quality as it filters all particles out of the water inlet.

- Two replenishment tanks of 30 Liters. These two replenishment tanks can easily be positioned under the table support to save space in the darkroom.

Technical Specifications – NOVA

Type number: 7070/100

Dimensions:	Length	35 cm (table) + 59 cm (unit) + 25 cm (tray) or 119 cm 13.78" (table) + 23.23" (unit) + 9.84" (tray) or 46.85"
	Width	68 cm / 26.77"
	Height	57 cm / 22.44"
Weight:	Empty	80 kg / 176.37 lbs
	Filled	110 kg / 242.51 lbs
Tank capacities:	Developer	10 liters / 2.6 gallons
	Fixer	10 liters / 2.6 gallons
	Water	10 liters / 2.6 gallons
	Water level sensor	Yes
Water connection:	Cold tap water	min. 5°C / 41°F, 3/4" connection
Water pressure:	min/max	1.0 - 6.0 bar
Power:	Voltage	100 - 120 V, 200 V - 208 V, 230 - 240 V
	Amperage	8.5 A, 7.5 A, 6.5 - 7.3 A
	Frequency	50/60 Hz
	Consumption	1700 Watt max.
	Intelligent power management software	
Processing cycle:	Standard	100 seconds developer immersion time
	Range	12 - 150 seconds developer immersion time
Film:	Capacity	30 films/hour of 35 x 43 cm or 14 x 17" at standard cycle
	Width	3.5 cm / 1.4" up to 43 cm / 17"
	Size	6 x 12 cm / 2.4" x 4.7" minimum
	Roll film	from 3.5 cm / 1.4" width up to any length

NOVA Standard Delivery (code EQFKZ) includes

- NOVA Table-top Film Processor
- Light-tight Cover
- Customer service documentation and spare parts list
- Operation manual
- International mains connection terminal

NOVA Comfort Kit (code EQPSL) includes

- Water saving solenoid valve
- Water circulation pump
- Water filter with cartridge
- Two Replenishment Tanks of 30 Liters

Accessories

- Table Stand code 3BNMQ
- Two Replenishment Tanks of 30 Liters code 3779N
- Water Filter with Cartridge code EM3YK

Peripherals

- Agfa NDT Mixer code 3U66F



CE sign



GS sign



USA/Canada
NRTL sign

NDT U

Universal Film Processor

With the NDT U film processor, you have at your disposal the most universal processor from our film processor product line. The NDT U combines simplicity, reliability and universal use in one processor.

It is specially designed for customers who use medium-sized quantities of film. The NDT U is very versatile and processes sheet film as well as roll film of any length. The ease of use, the ease of maintenance and its use for every application are the main advantages of the NDT U film processor.



Universal use

The NDT U integrates all the know-how from the extremes of the off-shore environment to the ultra high quality of on-shore nuclear installations and in combination with its capability to process any length of roll film.

The off-shore requirement for 90 sec. processing has resulted in an off-shore version next to the standard version. It's easy to switch from one type to the other by changing the developer rack.

Reliable processing

The NDT U is an electro-mechanical processor which is, no matter where it is installed, extremely dependable.

The solid construction and the careful selection of the materials used make the NDT U a highly reliable processor.



User-friendly

Thanks to the functional design with switches on the feed table, the processor can be operated easily. The temperature of both the developer and the dryer can simply be set, step by step. In addition, the NDT U is also exceptionally quiet.

Precise replenishment

The film area is measured on entry by 5 detection rollers. This measurement means that replenishment is controlled much more precisely than when the film is measured in length only. It also keeps the replenishment quantity to a minimum.

Minimal processing costs

During film processing only a small volume of water is used, with consequent benefits for the environment. Moreover the machine uses less energy, thanks among other things to the infrared drying system.

Low heat generation

The infrared drying system not only guarantees the uniform drying of your films, it also ensures that very little heat is generated in the darkroom. As a result, the darkroom remains at a comfortable working temperature.

Unique daylight system

The NDT FEEDER can be connected to the NDT U in a simple manner. Just remove the feed tray and fit the NDT FEEDER in its place. When combined with the NDT FEEDER, the NDT U becomes a very practical daylight film system. In case the NDT U is used without the NDT FEEDER, a light tight cover can be ordered optionally. Once the films are positioned on the film feed table the light tight cover can be closed. From then on the darkroom can be illuminated.

Features

- Mainly electro-mechanical components
- Processing cycle time:
adjustable between 1.5/2/2.5 min for off-shore applications,
choice between 5/6/7/8/9/10/11/12 min for standard applications
- Lower liquid level in the processor tanks
- Double liquid overflow (on both sides of each processing tank)
- Extra bottom plate and air filter

Advantages

- High functional reliability
- Not sensitive to voltage fluctuations
- Prevents the liquids to overflow
- Sufficient drainage on large ship movement
- Optimal protection against dust intrusion



Technical specifications - NDT U

Film processing	Type	Power supply connection
NDT U Standard	8196/148	200, 208, 230-240 Volt/ 50, 60 Hz
NDT U Offshore	9196/149	200, 208, 230-240 Volt/ 50, 60 Hz

Characteristics

Dimensions	Length (max)	125 cm (incl. tray)
	Width	68 cm
	Height (max)	106 cm
	Footprint	73 x 68 cm
Weight	Empty	175 kg
	With tanks	250 kg
Fixed electrical connection		16 A
Power supply	Voltage	200-240 V
	Frequency	50/60 Hz
Power consumption	max	3.300 W
	stand-by	1155 W
Dryer	No. of dryer settings	4
	Standard setting	3
Tank volume	Developer	24 l
	Fixer	20 l
	Final washing	20 l

The following data apply to film processing with the standard cycle of 8 minutes

Film

Processing time	Standard	8 min/28°C
	Limits	1.5 to 12 minutes
Processing speed	Standard	23 cm/min
	Limits	128 to 15.4 cm/min
Film	Types	AGFA NDT and all industrial X-ray films suitable for automatic processing
	Width (max.)	43.2 cm
	Length (max.)	any length
	Smallest size	6 x 12 cm
	Film capacity	9 x 12 cm
35 x 43 cm		40 films/hour

Fluids

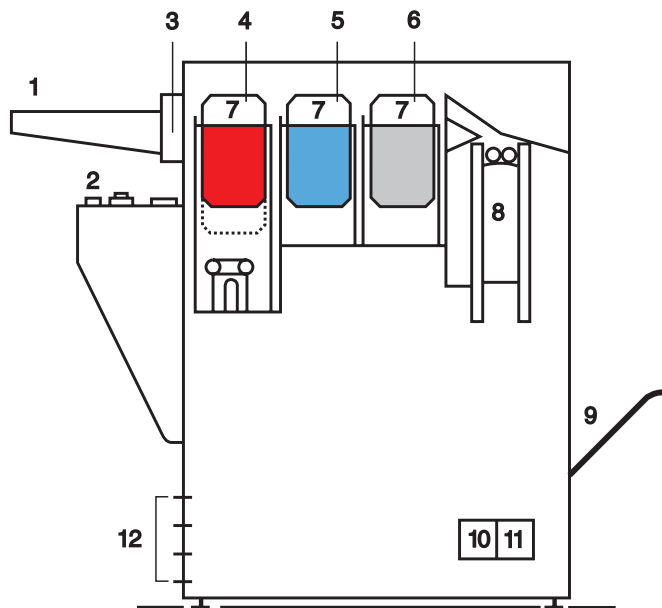
Water	Connection	Fixed 3/4" connection
	Standard consumption	6 l/m ²
	Consumption limits	6 - 20 l/m ²
	Pressure (min/max)	1-8 bar
	T° (min)	5° C
	pH value	6.5 to 8

Chemistry

Auto dev.	Dev.	G 135 + G 135 S starter
	Fix.	G 335
Standard replen.	Dev.	900 ml/ m ²
	Fix.	1200ml / m ²
Replen. limits	Dev/Fix.	200-1500 ml/m ²
Standard T°	Dev/Fix.	28° C
Temp. limits	Dev/Fix.	25-40° C
Warm-up time	from 20 to 28° C	8 min.

Operating diagram

- 1 Film feed tray
- 2 Control panel
- 3 Film surface detection rollers
- 4 Developer tank
- 5 Fixer tank
- 6 Water tank
- 7 Removable upper racks
- 8 Infra-red dryer
- 9 Film collection tray
- 10 Developer replenishment pump
- 11 Fixer replenishment pump
- 12 Drain



Accessories

- Darkroom panel 39X91
- Water filter with filter cartridge EM3YK
- Two replenishment tanks of 30 l 3779N
- Two replenishment tanks of 80 l 3778L
- Light tight cover 38KTB

Peripheral equipment

- NDT MIXER 50 Hz 3U66F
- NDT FEEDER 50/60 Hz 3677A
 - UNIVERSAL magazine 368AJ
 - FLIPTOP magazine 3679E

Cleaning material

- AGFA NDT FIXCLEAN 37S2J
- AGFA NDT DEVCLEAN EBMBU



NDT S eco

Ecological Film Processor

The NDT S eco is the best way forward to become ecologically responsible. This machine is specially designed to meet the strictest standards for silver content in wash water. The secret lies in the double fixing tank with which the NDT S is equipped.

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.

However the NDT S eco goes even further with significant reduction in the amount of replenishment.

With the NDT S eco, ecology goes hand-in-hand with economy.



Cascade fixing

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

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

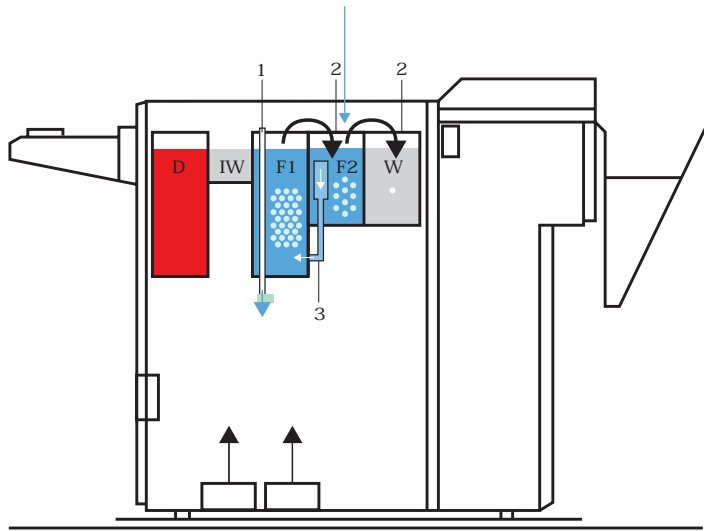
The film is then 100% fixed in the first fixer tank and then rinsed once more in the second fixer tank. Since fixer replenishment is carried out in the second fixer tank, the concentration of silver in this tank remains very low. There is also very little carry-over of silver into the water tank, so that the waste water complies with the most stringent standards.

Fixer replenishment works on the counterflow principle, with the first fixer tank being replenished from the overflow of the second fixer tank.

An added advantage of this is that nearly all the silver released in the fixing stage ends up in the overflow from the first fixing tank. This ensures optimum silver recovery.

This unique film processing system ensures that the amount of silver in the wash water from the NDT S eco processor is 15 or even 25 times lower than in a conventional processing system.





- AGFA NDT G 335 - Replenishment rate 700 - 1200 ml/m².
- Ecological performance with regards to silver in the wash water (depending on requirements):
 - at fixer replenishment of 700 ml/m² an Ag content of 40 mg/m² (complying with standard < 50 mg/m²), corresponding to a concentration of 3 ppm.
 - at fixer replenishment of 1200 ml/m² a concentration of maximum 1 ppm is reached.

- D Developer tank
- IW Intermediate wash tank
- F1 Fixer tank 1
- F2 Fixer tank 2
- W Final wash tank
- 1 Overflow F1
- 2 Transfer of residues
- 3 Link between F1 and F2 in the direction of F1

When set to the 5 minute cycle, the NDT S eco processes no less than 51 cm of film per minute. It is in this cycle that the basis is formed for the "Supreme eco Film System". The only system in which the AGFA NDT film, chemistry and processor are all carefully matched and tailored to ensure the best possible ecological results in terms of silver in the wash water and low chemistry consumption and waste products.

Processing cycles

The microprocessor has 7 pre-programmed processing cycles, varying between 1.5 to 12 minutes. These standard cycles can be set quickly and easily.

Simply select the required cycle time on the display and the other processing parameters such as development temperature, dryer level, fixing temperature and replenishment rates are adjusted automatically.

Another feature is "customised processing"; in addition to the standard cycles, you can manually adjust the processing speed from 5 to 12.5 minutes, in steps of 30 seconds.

Furthermore the processing parameters can be locked, and protected by a special password.

Reliable electronics

The NDT S eco is equipped with highly reliable electronics, designed to give security of operation.

All processing parameters including temperature, speed, replenishment quantities and drying capacity are controlled by a microprocessor.

Superior image quality

The NDT S eco is perfectly suited to applications that demand the highest image quality. The technology in terms of rack construction and roller configurations has proved its worth in our previous processors.

A microprocessor provides "smart" control of all the process functions. Among other things, this results in perfect, even drying of your films in all ambient conditions.

Whether you want to develop slowly or quickly, whether you want to process roll films or sheet film of different sizes ... with the NDT S eco it doesn't make any difference: the film quality remains consistently high.

Precise replenishment

The surface area of the film is accurately measured on entry by 11 detection rollers. This unique method of area scanning controls the replenishment far more precisely than a length only measurement. Thus keeping replenishment usage to a minimum.

Minimum processing costs

It goes without saying that this precise control of replenishment usage also ensures lower chemistry consumption, and therefore lower costs.

Also the water consumption is related to the film surface scanned with consequent benefits to the environment. When all the films have left the processor, it automatically switches to standby. This together with less replenisher motor use and infrared drying means less consumption of electricity.

The NDT S eco also has a "drive cycle", which in standby mode activates the roller transport mechanism sporadically for short periods of time.

This drive cycle keeps the energy consumption to an absolute minimum and increases the life of your processor considerably.

Large capacity

The NDT S eco can be set to either a 5 or an 8 minute cycle. In both cases, the throughput of the NDT S eco is sufficient to meet the needs of large film users or companies with high production peaks.



User comfort

- Multifunctional drainage system

As a totally new and future-oriented feature, the NDT S eco is equipped with three-way drainage valves. This makes it simple for photochemicals and cleaning chemicals to be directed to the correct collection tank. It also prevents the formation of toxic fumes in the waste chemical collection tank.

- Easy maintenance

NDT S eco only needs an absolute minimum of maintenance.

The top parts of the racks can easily be removed and cleaned separately, without having to take the racks out of the tanks.

The film sensor rollers on the feed tray need to be cleaned regularly, and the construction of the NDT S eco is specially designed to facilitate this task. The rollers can easily be reached by removing the feed tray.

In order to prevent algae growth, the wash water is automatically drained when the machine is switched off.

- Clear operating panel

The operating panel provides visual information about the processing parameters, including the current processing temperature, the cycle time, the dryer setting, the replenishment quantities, the OK indication for film input and the remaining cycle time.

As befits such a universal machine, there is a choice of 12 languages for the display messages. The temperature of the developer and dryer can be incrementally adjusted on the control panel, to suit the processing program chosen.



- Adjustable receiving tray

The film receiving tray of the NDT S eco is ideal: it can easily be adjusted to suit sheet film, welding formats (from 6x12 cm upwards) and roll film.

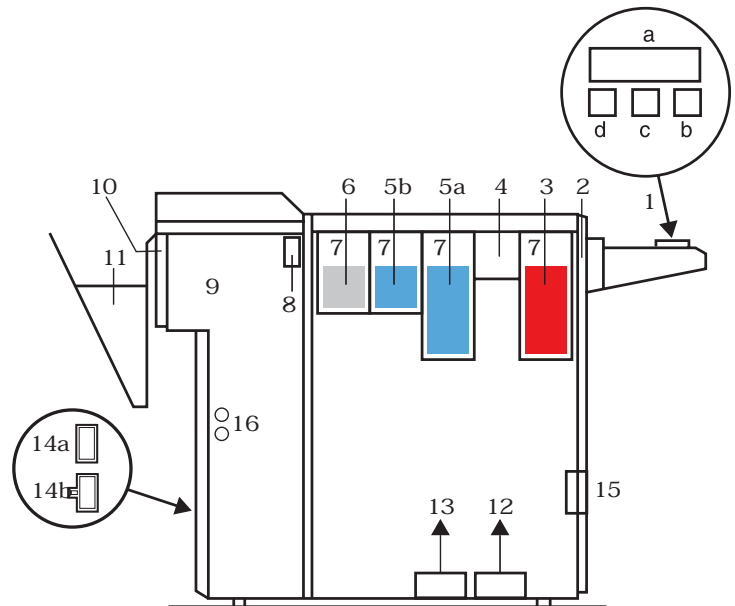
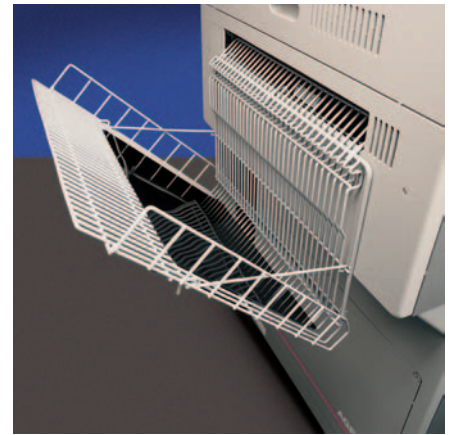
Your processed films will always be collected in the tray in the correct order.

- Unique daylight system

When combined with the NDT FEEDER, the NDT S eco becomes a unique and very practical daylight system.

The NDT FEEDER automatically follows the processing speed of the NDT S eco, even when the speed is altered.

In cases where the NDT S eco is used without a NDT FEEDER, an optional light-tight cover can be ordered. Once the films are positioned on the film feed table the cover can be closed and the darkroom illuminated.



- | | |
|-----------------------------|---|
| 1. Film feed table | 8. Distribution rollers |
| a. LCD display | 9. Infrared dryer |
| b. Menu selection | 10. Film output |
| c. Increase setting | 11. Film receiving tray |
| d. Decrease setting | 12. Replenishment pump for developer |
| 2. Film area scanning | 13. Replenishment pump for fixer |
| 3. Developer tank | 14a. On/off switch |
| 4. Intermediate wash tank | 14b. Earth leakage circuit breaker (ELCB) |
| 5a. Fixer tank F1 | 15. Three-way valves for draining the machine tanks |
| 5b. Fixer tank F2 | 16. Overheating protectors for developer and fixer |
| 6. Final wash tank | |
| 7. Removable top rack parts | |

Technical specifications - NDT S eco

The following tables show the standard values (the right to make modifications is reserved)

Filmprocessing	Type	Power supply connection	
NDT S eco	5320/300	208, 230-240 Volt / 50,60 Hz	
Characteristics			
Dimensions	Length (max)	162 cm (including basket 209 cm)	
	Width	71 cm	
Weight	Height (max)	123 cm	
	Footprint	71 x 111 cm	
Electrical connection	Empty	285 kg	
	With tanks full	426 kg	
	Racks	Upper part	complete
	- developer rack	3.5	15.5
	- intermediate wash rack	-	3
	- fixer 1 rack	3.5	14.5
	- fixer 2 rack	3.5	12.5
	- water rack	3.5	12.5
Power supply	Electricity	16 A	
Dryer	Voltage	208 to 240 V	
	Frequency	50/60 Hz	
	Capacity	max. 3.300 W (during film transport)	
Noise level	No. of dryer settings	20	
	Standard setting	setting 1 for 8 min. cycle	
Tank volume	Film transport	63 dB	
	Stand by	50 dB	
Tank volume	Developer	41.5 l	
	Fixer1	41.5 l	
	Fixer2	29 l	
	Final washing	29 l	

The following data apply to film processing with the standard cycle of 8 minutes

Film				
Process time	Standard setting	8 min/28°C		
	Ecological setting	5 min/29°C		
	Limits	1.5 to 12.5 minutes		
Process speed	Standard setting	32 cm/min.		
	Ecological setting	51 cm/min.		
	Limits	20.2 to 168.5 cm/min.		
Film	Types	AGFA NDT and all industrial X-ray films suitable for automatic processing		
	Width	max. 43.2 cm		
	Length	min. 12 cm		
	Smallest format	6 x 12 cm		
	Capacity per hour	6 x 12 cm, 720 films/hour		
		35 x 43 cm, 48 films/hour		
	Liquids			
Water	Connection	Permanent connection 3/4"		
	Standard usage	13 l/m ²		
	Usage limits	1-13 l/m ²		
	Pressure (min/max)	1-6 bar		
	Temperature (min)	5°C		
	pH value	6.5 to 8		
Chemistry	Standard Developer	G 135 + G 135 S (starter)		
	Ecological Developer	ecoDEV		
	Standard Fixer	G 335		
	Ecological Fixer	ecoFIX		
	Standard replen.	Dev.	900 ml/m ²	
		Fix	1200 ml/m ²	
	Ecological replen.	Dev.	550 ml/m ²	
		Fix	700 ml/m ²	
	Replen. limits	Dev/Fix	200-1500 ml/m ²	
	Default temperature setting	Dev/Fix	28°C	
	Ecological temperature setting	Dev/Fix	29°C	
	Temp. limits	Dev/Fix	20-40°C	
	Warm-up time from 18°C to 28°C	22 min.		

Accessories and peripheral equipment

Accessories

- Light tight cover 38KTB
- Darkroom panel 39X91
- Water filter with filter cartridge EM3YK
- Two replenishment tanks of 30 litres with a level sensor 3779N
- Two replenishment tanks of 80 litres with a level sensor 3778L

Peripheral equipment

- NDT MIXER 50 Hz 3U66F
- NDT FEEDER 50/60 Hz 3677A
- UNIVERSAL magazine 368AJ
- FLIPTOP magazine 3679E



GE
Inspection Technologies

Structurix Dryer

Fast and efficient film drying



The Structurix Dryer is an instrument that helps customers who process films manually. GE Inspection Technologies now introduces the new optimized version of the Structurix Dryer.



GE imagination at work

Fast and efficient film drying

With the new Structurix Dryer, films dry more rapidly than in conventional drying cabinets. The drying process immediately starts with no warm-up time needed.

The unit is compact and takes up little space in either the stationary darkroom or mobile lab. The lightweight of the Structurix Dryer makes it easy to move or transport.

The new Structurix Dryer consists of state-of-the-art electronics that makes it easy to operate and service. The new dryer carries the CE label, GS and USA/Canada NRTL sign.

Easy to operate

The new dryer can be used worldwide. No matter where you plan your operations, the "plug and play" feature allows you to adapt it to any standard outlet, accommodating all voltages globally.

Drying temperature and processing time of the Structurix Dryer can easily be set and adapted to any circumstance. The introduction of step-less speed control enables an even better fine-tuning.

Excellent results

The manually and thoroughly processed film first passes through the wetting tank. The water comes from a 2,5 liter water bottle.

Most water is removed from the film by means of squeegee rollers prior to the drying section. The film is then hot air dried on both sides and collected in the adjustable film tray.

Technical specifications

Structurix Dryer		
Type number	9450/200	
Dimensions	Length	60 cm (23.6") with extended receiving tray: 83 cm (32.7")
	Width	63 cm (24.8")
	Height	35 cm (13.8") with bottle: 45,5 cm (17.9")
Weight	Empty	24 kg (53 lbs.)
	Full (with bottle)	27,5 kg (61 lbs.)
Power	Voltage	200-240V / 100-120V
	Amperage	5,0-6,0A / 10,0-12,0A
	Frequency	50 / 60Hz
	Consumption	1600 W
Maximum film width	37 cm (14.6")	

Dryer Standard Delivery (code EWTWH) includes

- Structurix Dryer
- Instruction Manual
- European and UL (US) mains cable



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GE Inspection Technologies provides technology-driven inspection solutions that deliver productivity, quality and safety. We design, manufacture and service Ultrasonic, Remote Visual, Radiographic and Eddy Current equipment and systems. Offering specialized solutions that will help you improve productivity in your applications in the Aerospace, Power Generation, Oil & Gas, Automotive or Metals Industry.

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