

STRUCTURIX S ECO

In addition to the unique advantages of the 'ECO' processing technology, the STRUCTURIX S ECO guarantees several other features. These include a large capacity, superior image quality, precise replenishment and minimum processing costs.

Large capacity

STRUCTURIX SECO can be set to either a 5 or an 8 minute cycle. In both cases, the throughput of the SECO is sufficient to meet the needs of large film users or companies with high production peaks. When set to the 5 minute cycle, the STRUCTURIX S ECO processes no less than 51 cm of film per minute or 78 films per hour of 35 x 43 cm. In this 5 minute cycle, the processor forms the basis for the "ECO Film System". In such a system, the STRUCTURIX film, chemistry and processor are all carefully matched to ensure the best possible ECOlogical results in terms of silver in the wash water while ensuring the lowest chemistry consumption and waste.

Superior image quality

STRUCTURIX 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 previous processors. A microprocessor provides "smart" control of all process functions. This results in perfect, even drying of your films in all ambient conditions.

Precise replenishment

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



Anti-crystallization cycle

The STRUCTURIX S ECO has a "drive cycle" or "anti-crystallization" cycle, which in stand-by mode activates the roller transport mechanism sporadically for short periods of time. This cycle keeps the energy consumption to an absolute minimum, while avoiding crystallization of chemicals on the rollers and, therefore, increases the life of the processor considerably.

Processing cycles

The microprocessor has seven 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 adjust automatically.

Customized processing

This feature allows you to manually adjust the processing speed from five to 12.5 minutes in steps of 30 seconds. Processing parameters can be locked and protected by a special password.

Reliable electronics

The STRUCTURIX 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.

User Comfort

Multifunctional drainage system

The STRUCTURIX S ECO is equipped with threeway drainage valves. This makes it simple to direct photo-chemicals and cleaning chemicals to the correct collection tank. The valves also prevent the formation of toxic fumes in the waste chemical collection tank.

Easy maintenance

STRUCTURIX S ECO needs only an absolute minimum of maintenance. The top parts of the racks are easily removed and cleaned without having to take the racks out of the tanks. The STRUCTURIX S ECO is designed and built to facilitate regular cleaning of the film sensor rollers on the feed tray. The rollers can be reached easily by removing the feed tray. In order to prevent algae growth, the wash water is automatically drained when the machine is switched to "off".

Intuitive operating panel

The operating panel provides visual information about the processing parameters, including the current processing temperature, cycle time, dryer setting, 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 adjusted incrementally on the control panel to suit the processing program chosen.

Unique daylight system

When combined with the STRUCTURIX FEEDER, the S ECO becomes a unique and practical daylight system. The feeder automatically follows the film processing speed of the S ECO processor, even when the speed is altered. In cases where the STRUCTURIX S ECO is used without a feeder, an optional light-tight cover can be ordered.

Accessories

- Light-tight cover
- Darkroom panel
- Two replenishment tanks of 30 litres with level sensor
- Water filter with cartridge

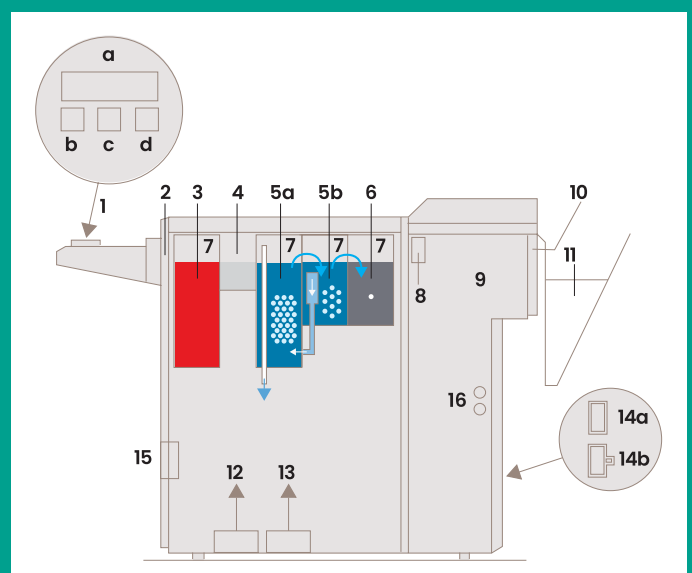
Peripheral equipment






- STRUCTURIX MIXER (50 Hz)
- STRUCTURIX FEEDER combined with a Flip-top magazine

The STRUCTURIX S ECO has been awarded by DIBT (Deutsches Institut für Bautechnik) for its overall quality and performance, a certificate numbered z-77,41-3.

Operating diagram:

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



STRUCTURIX NDT Processors		STRUCTURIX Si	STRUCTURIX S ECO/Si	STRUCTURIX U	STRUCTURIX M ECO	STRUCTURIX NOVA
						
Preprogrammed Cycles		7	7	1	1	1
Optional Cycles		1.5 up to 12 min. (per 30 sec.)	1.5 up to 12 min. (per 30 sec.)	3 up to 12 min. (per 1 min.) OS-cycles: 1.5/2/2.5	1.5 up to 12 min. (per 1 min.)	1.5 up to 12 min. (per 1 min.)
Standard Processing Cycle		8 min.	8 min.	8 min.	8 min.	8 min.
Developer Immersion Time		100 sec.	100 sec.	100 sec.	100 sec.	100 sec.
Capacity (8 min. Cycle)	10 cm x 48 cm (4 Films Side by Side)	300 films/hour	148 films/hour	106 films/hour	92 films/hour	92 films/hour
		75 films/hour	48 films/hour	34 films/hour	30 films/hour	30 films/hour
Transport Speed		50 cm/min.	32 cm/min.	23 cm/min.	20 cm/min.	20 cm/min.
Film Sizes	Format min.	6 x 12 cm	6 x 12 cm	6 x 12 cm	6 x 12 cm	6 x 12 cm
	Width min.	3.5 cm	3.5 cm	3.5 cm	3.5 cm	3.5 cm
	Width max.	43 cm	43 cm	43 cm	43 cm	43 cm
	Length min.	12 cm	12 cm	12 cm	12 cm	12 cm
Dimensions	Length	162 cm	162 cm	120 cm	142 cm	119 cm
	Bottom	111 cm	111 cm	75 cm	86 cm	63 cm
	Width	71 cm	71 cm	68 cm	68 cm	68 cm
	Height	123 cm	123 cm	105 cm	59 cm	57 cm
	Surface on Floor	0.79 m ²	0.79 m ²	0.50 m ²	0.56 m ²	0.40 m ²
Weight	Empty	298 kg	285 kg	160 kg	104 kg	80 kg
	With Chemicals	426 kg	426 kg	250 kg	134 kg	110 kg
Power Supply	Amperage	16 A	16 A	16 A	16 A	8.5 / 7.5 / 6.5 / 7.3 A
	Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
	Voltage	208 / 230-240 V	208 / 230-240 V	200 V / 240 V	100 V / 120 V / 200-208 V / 230-240 V	100 V / 120 V / 200-208 V / 230-240 V
Tank Capacities	Developer Tank	37 l	41.5 l	24 l	10 l	10 l
	Fixing Tank F1	37 l	41.5 l	20 l	10 l	10 l
	Fixing Tank F2	27 l	29 l		9 l	
	Final Wash Tank	27 l	29 l	20 l	9 l	10 l
Standard Consumption	G135 Developer	900 ml/m ²	900 ml/m ²	900 ml/m ²	900 ml/m ²	900 ml/m ²
	G335 Fixer	700 - 1200 ml/m ²	1200 ml/m ²	1200 ml/m ²	1200 ml/m ²	1200 ml/m ²
	Water	13 l/m ²	13 l/m ²	13 l/m ²	13 l/m ²	13 l/m ²
Developing Temperature		28° C	28° C	28° C	28° C	28° C

ECO Film System at Standard (ECO) Cycle

ECO Cycle			8 (5) min.		8 min.	
Developer Immersion Time			100 (62.5) sec.		100 sec.	
Capacity	10 cm x 48 cm (4 Films Side by Side)		148 (300) films/hour		92 films/hour	
	35 x 43 cm		48 (75) films/hour		30 films/hour	
Transport Speed			32 (50) cm/min.		20 cm/min.	
EcoDEV Developer			900 (550) ml/m ²		900 ml/m ²	
EcoFIX Fixer			700 (700) ml/m ²		700 ml/m ²	
Water			13 l/m ²		13 l/m ²	
Developing Temperature			27 (29)° C		27° C	

Table above shows standard values at standard processing cycle unless differently indicated (modifications possible)

STRUCTURIX MIXER

Timesaving and Standardized Chemical Mixing

The STRUCTURIX MIXER is a fully independent unit that relieves you of mixing chemicals. To use the STRUCTURIX MIXER, simply place the bottles on top of the mixer. The rest occurs automatically to save you time.



Compact and solid

The compact design of the STRUCTURIX MIXER means it requires very little space. The materials used in construction of the mixer have been chosen for greater strength and enhanced resistance to chemicals.

Reliable and user-friendly

With the STRUCTURIX MIXER, you can count on your chemistry being mixed in a consistent manner, time after time. The mixer provides both an audible and visible signal when the next chemicals should be prepared. You never come in contact with the chemicals, thanks to the bottles of concentrate having a safety seal which is only pierced when the bottles are set in position on the mixing machine.

The STRUCTURIX MIXER has a handy pumping system for transferring the chemicals from the mixer into the processor, for example, to refill the processor after maintenance. The STRUCTURIX MIXER connects easily to your processor replenishment system in order to act as a replenishment tank.

Easy to clean

The templates are easy to clean with water. When the bottles of concentrate are emptied, two covers can be used to close the tanks. In brief, the STRUCTURIX MIXER is a reliable and simple mixing unit that ensures optimal mixing of the developer and fixer solutions. It is a valuable acquisition for anyone seeking consistent, high-quality film processing results.

Technical Specifications		
Dimensions	Length	71 cm
	Width	45 cm
	Height	73 cm
Weight	Empty	35 kg (With Storage Tanks Filled: 88 Kg)
Developer Tank Capacity		20 l
Fixing Tank Capacity		20 l
Signal When Tank is Almost Empty		Audible and Visual Signal at 6.5 l
Filling Time		(max.) 15 Minutes
Cold Water Connection		Yes
Tap Water		5 - 30°C, Connection
Water Pressure		Min. 1.5 bar, Max. 3 bar
Power Supply		230 - 240 V / 50 Hz