

## ABOUT ECHO GRAPHIC

Since the very beginning in 1970, Film Processors from Echo Graphic has been among the market leaders. Until today, more than 50.000 processors have been produced.

## MARKETS

Echo Graphic's film processors are designed for two markets::

- NDT (Non-Destructive Testing)
- PCB (Printed Circuit Board)

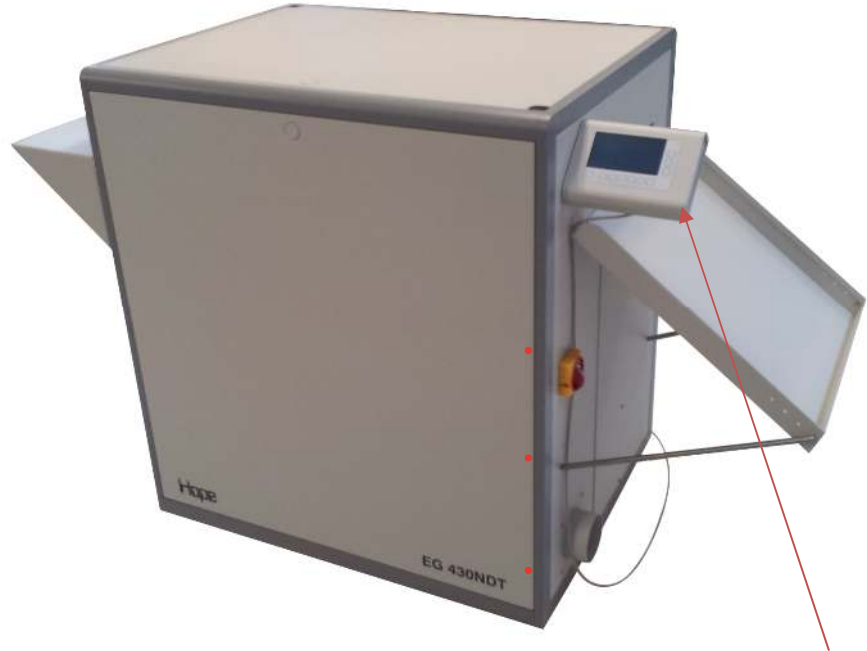
## PRODUCT REPUTATION

Our processors are known for reliability and easy maintenance. Deep tanks and long rack lengths determine the process speed and contribute to an even density.

The processors are of modular construction, and the racks are built after the principle "staggered rollers".

# EG430NDT

## Film Processor for Non-Destructive Testing



After 40 years of delivering high-end film processors to the PCB industry, Echo Graphic is proud to present our first product designed specifically to meet the quality requirements in the industry of Non-Destructive Testing (NDT).

Echo Graphic is manufacturing all products in our own facility in Denmark. This allows us to have development engineers close to the production, and thereby always be at the forefront of new technologies.

Our products are available through a worldwide network of professional resellers. The short distance between our partners and customers is a key



The control panel with a graphic interface will normally not require any intervention, but provides information about status. A film bar shows the position of films currently processing.

# Echo Graphic

Echo Graphic ApS  
2, Haandvaerkervej  
DK-9560 Hadsund  
DENMARK

Phone +45 98 57 19 55  
Mail [info@echographic.com](mailto:info@echographic.com)  
Web [www.echographic.com](http://www.echographic.com)



# EG430NDT – technical specifications

## INTRODUCTION

The EG430NDT film processor is configured for optimum handling of films in the NDT industry.

## EASY MAINTENANCE

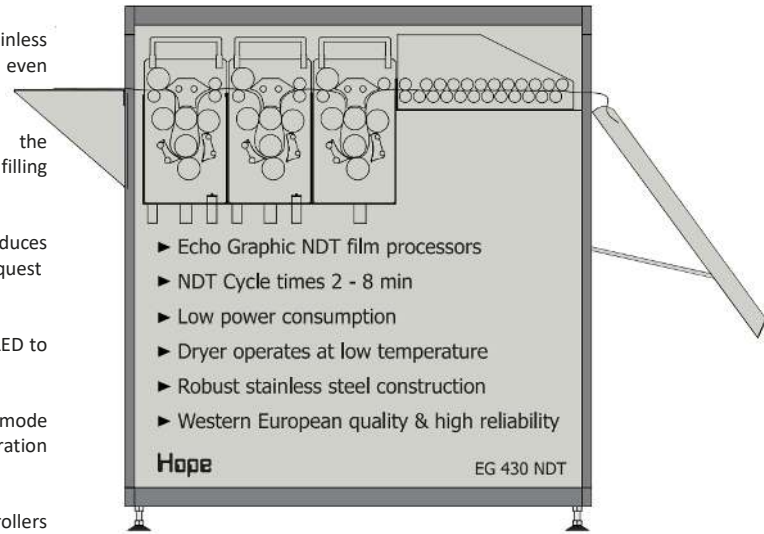
The processor is easy to maintain. The easy access for regular cleaning ensures a long lifespan and trouble-free functioning of the processor. To ease the maintenance of the processor, accessories such as rack hoist and floor drip tray can be ordered separately.

## WORKING ENVIRONMENT

The clean design and low noise level fit into today's modern working environment. The processor is supplied with an effective exhaust fan for removal of chemical fumes from the processor and installation site.

You can find more information about our products on our website: [www.echographic.com](http://www.echographic.com)

- ✓ The all metallic structural parts and stainless steel tanks will never get any cracks, even under harsh mobile conditions.
- ✓ The automatic refilling system for the processing tanks becomes handy when filling the tanks.
- ✓ Cascade fixer replenishing unit that reduces silver waste in water tank available on request. Filters in circulation available on request.
- ✓ 6 input sensors have each an individual LED to show accept of next film
- ✓ The wide input range of the switch mode Power supply guarantee stable operation when operated from a mobile generator
- ✓ The Creep speed system keeps the rollers clean and ready for use during standby-mode. The processor can store up to 6 user-defined programs.



### Specifications

Inlet width	43 cm / 17"
Material with min. / max	5 -43 cm / 2." – 17"
Min. /max. film length	15 - 500 cm / 5 - 196"
Tank capacity Dev. / Fix / Wash	15/16/16 l / 4 US gal.
Rack length dev.	46 cm / 14"
Standard processing cycle min.- max.	2 - 12 min
Speed at 100 sec. dev. immersion time	28 cm/min / 11"/min
Capacity 35x43cm film	45 sheets / hour

### Parameter settings

Dev./fix./wash temperature range	20 - 45°C / 68 - 113°F
Dry temperature range	25 - 65 °C /77 - 149
Exhaust blower	Built in
Circulation rate dev., fix.	10 l/min. / 2.1 US gal
Replenishment rate dev / fix	0 - 2000 ml/m2
Water consumption Max (operate)	0-10 l/m2 / 0-2.1 US gal/m2

### Consumption, emissions

Max. power consumption	2.450 VA
Operate, average power consumption:	2.100 W
Power save ( Idle), average power consumption:	600 W
Night mode, average power consumption:	450 W
Emission of heat to room (operate)	2.400W

### Connections

Exhaust connection	Ø 10 cm/4"
Water connection	3/4" pipe thread
Drain connection	3 x 1" hose nipple
Replenishment containers	Dev./fix. 30l/8 US gal.

### Power supply

1/N/PE ~ 230V, 50/60 HZ	1 x 13 amp
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### Dimensions (incl. receiving tray and feed tray)

Length total	181 cm / 71"
Length on floor	98cm / 38.5"
Width	77cm / 30.3.1"
Height	110 cm / 43.3"