

High volume. Low Impact.



KODAK INDUSTREX M43IC Processor



The KODAK INDUSTREX M43IC Processor is designed to meet the needs of high-volume NDT radiographic customers. With a wide range of processing cycles that provides development times from 31 to 170 seconds, your wish is its command. And its high capacity will keep your operation moving.

EASY TO USE:

- The space-saving design, 27.3 x 46.2-inches (69.5 cm x 117.5 cm), fits easily in your darkroom.
- Dry-to-dry processing cycles range from 2 to 12 minutes.
- Processing speed, developer temperature, fixer temperature, dryer temperature, and replenishment rate are adjustable in nine pre-set programs to accommodate specific film and exposure requirements. A control panel for these functions is conveniently located next to the film feed tray.
- Automatic replenishment according to film area is convenient and efficient.
- Integrated chiller unit assures that chemicals remain at the correct temperature—even in the most demanding, high-temperature environments.
- Continuous display of the percentage of the processing in progress.
- Film exit bin at comfortable level for all users.

SPECIFICATIONS

Processing cycle—Dry-to-dry 2 to 12-minute range. Time in Developer: 31 - 170 seconds, depending on processing cycle (6-minute cycle = 88-second development).

Processing capacity—Fifty-five 14 x 17-inch (35 x 43 cm) radiographs per hour (8-minute cycle).

Types and sizes of film processed—KODAK INDUSTREX Films in all standard sheet sizes and in continuous lengths up to and including 17 inches (43 cm) wide.

Type of operation—Continuous self-threading roller transport.

Processing tank and chemicals—Developer tank capacity: 11.5 litres (3 gallons) (including developer filter); fixer tank capacity: 10.5 litres (2.77 gallons); Wash tank capacity: 10 litres (2.64 gallons). Use of KODAK INDUSTREX Chemicals is recommended.

Solution temperature control—Separate in-line 350W heaters in the developer and fixer tanks allow temperature control adjustments in a range of 18 - 43°C (64 - 109.4°F).

Water requirements—Filtered hot and cold water, at 3-10 bar pressure, with 3/4" hose connection. Wash water flow rate of 1.5 - 2 L/min while film is being processed, adjustable to 10 - 25°C (50 - 77°F) range. Wash water drain: 32 mm (5/4-inch) hose or tube.

Automatic cooling—The processor electronics will automatically detect high developer temperature conditions and then activate a cold-water chiller system. This chiller system will maintain the developer temperature when the processor is running in warm ambient conditions.

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MORE ENVIRONMENTALLY FRIENDLY

The units were designed with energy conservation in mind to save you money, and they address environmental concerns by providing convenient options for proper disposal of chemical effluents.

- Low water consumption (2.5 litres/minute)
- Low electrical consumption (3.7 kW)
- Separate drain for each solution
- Fixer recycling plug-in equipment
- Water saving plug-in equipment
- Pre-wash tank removes the maximum of fixer solution and allows a reduction of water used
- Chemical requirements reduced

OPTIONAL ACCESSORIES

KODAK INDUSTREX M43 Automatic Film Feeder

Designed for increased efficiency, this unit automatically feeds exposed sheet and roll films into the processor. The feeder accepts films of various sizes and operates unattended, to free the technician for other work.

KODAK 100-K and 100-J Chemical Mixers

The KODAK 100-K and 100-J Chemical Mixers provide fast, accurate, consistent, "no mess" mixing of chemical processing solutions. Their features include automatic operation, a low-solution-level alarm, and developer and fixer concentrate insertion guides that minimize human error.

FOR MORE INFORMATION

For more information about our complete line of KODAK Products for Non-Destructive Testing, including digital solutions, call your local Kodak representative or visit our Web site at www.kodak.com/go/ndtproducts.

Drying temperature control—Warm air adjustable in a range of 18 - 55°C (64 - 131°F).

Automatic standby control—When no film is being processed, an automatic solid-state standby control turns off the drive and the dryer mechanism and reduces water consumption.

Power requirements—16 A, 220/230V, 50/60Hz. Power consumption 3.7kW.

Dimensions

- Width—27.3 inches (69.5 cm)
- Height—46.2 inches (117.5 cm)
- Length—31.5 inches (80 cm)
- Length with dryer and tray feeder—44.2 inches (112.5 cm)
- Weight—approximately 478 pounds (217 kg) with processing tanks filled with solution
- Weight empty—approximately 408 pounds (185 kg)
- Floor space—approximately 6 square feet (0.56 m²)

Drain requirements—One 3-inch floor drain. Use no copper alloys.

Ventilation—Exhaust port (located at the feed end of the processor) must be connected to an external ventilation system with sufficient power to ventilate the warm exhaust air away and out of the processing area. Where the processor is installed in a "through-the-wall" location, the darkroom should be pressurized to ensure a positive airflow from feed to dryer to avoid condensation.

Replenisher system—Fully automatic. Processor is supplied with storage for replenisher solutions. Replenishment is microprocessor controlled and calculated from information received from sensors measuring the width and length of material entering the processor. Replenishment cycles are adjustable.