

# KODAK SUPERMATIC 8 Processor



**SUPER 8 COLOR PROCESSING FOR PEOPLE  
WHO HAVE NEVER PROCESSED FILM BEFORE**



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The KODAK SUPERMATIC 8 Processor lets virtually anyone in your organization obtain expert film processing results... even if they've never processed film before. Together with the new KODAK EKTACHROME SM Film 7244, it is ideally suited for television, education, business, industry, and government.

This film can be automatically processed at the rate of 8.7 feet a minute from loading to take-up. *Simple installation. Easy operation.* The processor is completely self-contained. It is styled to blend with modern office decor. You need no darkroom. Processing is done in any normally lighted area. And the KODAK SUPERMATIC 8 Processor is easy to install. The only services needed are electricity, cold water, and a drain. Practically anybody who can push a button can operate it.

Load a 50- or 200-ft. super 8 camera cartridge of KODAK EKTACHROME SM Film 7244 into the machine feed box and walk away. In 16 minutes, a 50-ft. roll of film will be processed and delivered to you automatically on a take-up reel. A 200-ft. roll takes only 33 minutes. You can feed a 50-ft. roll every five minutes.

**Color-matched and shape-matched chemicals.** All the chemicals needed by the processor are available in concentrated liquid form and are supplied in plastic bottles identified both by color and shape.

There's little danger of the wrong chemicals going in the wrong places. The color and shape coded bottles and receptacles make certain that the right chemicals can only go in the right places.

**The processor does the mixing.** The processor senses when it is loaded with chemical concentrates. Then it mixes the solutions and meters the correct amounts from internal holding tanks to the processing tanks. An interlock system—the brain of the processor—determines that all conditions are correct before the film drive will start.

**No extras needed.** The processor has all the equipment needed to do the complete job. You need no replenishment tanks and no exhaust duct. Zero voltage switching eliminates interference with other electronic equipment. It is unnecessary to run test strips for process control.

**Big footage capacity.** One charge of chemicals is enough to process 5000 feet of film. When the chemicals are used up, the processor beeps a warning. The press of a button starts an internal cleanup cycle. Residual solution is discharged, and the tanks are flushed and filled with predetermined amounts of water. Then the machine flashes a signal: "ADD CHEMICALS."

The addition of chemicals and the automatic mixing cycle takes only a short time. Then the processor is ready to go to work again.

The speed and simplicity of the new KODAK SUPERMATIC 8 Processor allows super 8 film to fulfill the needs of communicators in a wide area of applications.

## KODAK SUPERMATIC 8 Processor, Specifications.

Semi-automatic threading. Utilizes roller transport. Consists basically of a process and drying section, automatic replenishment system and self-contained replenisher mix and storage tanks. Sufficiently lighttight for use under normal office lighting. Standby, ready-to-operate facilities with a rapid warm-up (30 minutes) of processing solution from room temperature to ready-to-operate temperature.

### Camera Cartridge Sizes:

1. Super 8 non-stripped in silent cartridge, 50-foot (15.2m)
2. Super 8 Sound Cartridge, 50-foot (15.2m)

3. Super 8 Sound Cartridge, non-stripped, 200-foot (61m)
4. Super 8 Sound Cartridge, 200-foot (61m)

**Processor Film-Feed Chamber:** The film-feed mechanism in the film-feed chamber will accommodate all Super 8 Cartridges loaded with KODAK EKTACHROME SM Film 7244 or a KODAK SUPERMATIC 8 Processing Cassette, 400-foot (122m), darkroom load.

**NOTE:** The cartridge holder in the film-feed chamber is designed to sense the product identification notch on the camera cartridge and will accept *only* film in cartridges notched for Process ES-8 such as KODAK EKTACHROME SM Film 7244 or its exact equivalent.

**Processor Size:** Length—53 in. (134.6 cm)  
Width—32 in. (81.3 cm)  
Height—49 in. (124.5 cm)

**Processor Weight:** Dry—approximately 744 lbs. (338 kg)  
Wet—approximately 944 lbs. (428 kg)

Process ES-8 (at 125° F) (51.5° C)	Time in Solutions (minutes)
<i>Steps</i>	
1st Developer	1.2
Stop	0.6
Wash	0.6
Color Developer	2.4
Wash	0.6
Bleach-Fix	2.4
Wash	1.2
Dry	1.2

10.2 Total Dry to Dry Time

### SERVICE REQUIREMENTS:

**Space Requirements:** The layout of the areas in which the processor is to be used will vary from installation to installation, depending upon the requirements of the customer.

A minimal service clearance of 30 inches (76.2 cm) on the film-feed end, 6 inches (15.2 cm) on the take-up end and 30 inches (76.2 cm) on the front and back sides of the processor is recommended.

**Area Lighting:** Normal office illumination.

**Electrical:** A 240-volt, 45-amp, single-phase, 50 or 60 Hz, two-wire electrical service. It will operate on most common domestic and foreign power services by making proper connections to a built-in transformer.

**Plumbing:** A cold water supply at 30 to 100 psig pressure is required at a temperature of 45 to 100 F (7 to 38 C). The flow rate varies from 1/4-gal/min (0.95-liters/min) normal operating rate to 5-gal/min (19-liters/min) maximum instantaneous flow rate during wash cycle. Water hardness should be less than 220 ppm equivalent of calcium carbonate.

**Drain:** A sink or drain to handle discharge from the processor at a 10-gal/min (38-liters/min) rate is required. The drain should be located at a height less than 4 feet (1.2 m) above the bottom of the processor.

**Safety and Efficiency:** The heat and moisture gain to the room from the processor is very low. An attachment point is supplied for a flexible hose to conduct dryer exhaust to a suitable collector if desired. Under normal ventilation conditions, however, the exhaust collector should not be necessary and the dryer can be exhausted directly into the room.

**Time Totalizer:** The processor is equipped with a time totalizer which will record the number of hours that the processor is turned on in either STANDBY or RUN mode.

**Warranty:** Warranty service on the customer's premises for one year or 2000 hours of operation from the date of installation, whichever occurs first, in accordance with Kodak's standard warranty terms.

**KODAK SUPERMATIC 8 Processor** . . . . . \$12,500  
Price subject to change without notice.

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