

CLEANING MACHINE

ULTRACLEAN

Features

- **Best for telecine and scanning**
- **Dual cleaning action with buffers & ultrasonic action**
- **Continuous solvent recovery & distillation**
- **Closed loop air drying**
- **Film drive by capstan**
- **HFE or Perchloroethylene as cleaning agent**
- **Control of brushes speed rotation**



■ Dual cleaning action with buffer & ultrasonic action

This system uses four buffers that are mounted asymmetrically so that large areas of the film's surface come into contact with the velvet. A powerful ultrasonic generator operates at a high frequency of 40kHz and assists in the cleaning.

The dual immersion cleaning action gives the film the best treatment removing dirt, grease, fingerprints and other contaminations. The physical contact is minimized.

■ Recovery & Distillation

The solvent is continuously reprocessed to maintain its purity and cleanliness for optimum quality of cleaning. ULTRACLEAN's double condenser system then reprocesses the cleaning solution and returns it to the main reservoir.

Filters remove particles as well as any aqueous contaminants.

■ Closed loop air drying

Closed loop air-drying has the essential benefit of reducing water contamination of the solvents. Other machines draw in ambient (humid) air from their surroundings to dry the film, which inevitably condenses, thus leaving traces of water in the solvent.

■ Perchloroethylene or HFE as cleaning agent

Two models : Ultraclean 2000 (Perchloroethylene) and Ultraclean 4200 (HFE).

The Ultraclean 2000 can be easily modified at a later date to operate with the HFE cleaning agent.

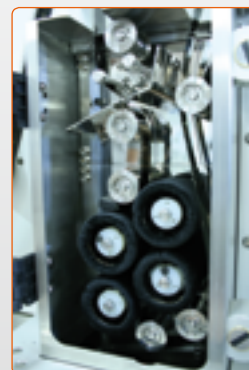
■ Film drive by capstan

Film is propelled by a Capstan drive, thus assuring accuracy and steadiness. Ultraclean use servo-systems, employing the smooth, continuous motion of the Capstan drive system. The capstan drive removes the risk of damaging the negative, even if there is a failure, since it is necessary neither "to pull" nor "to push" the film as is the case when mechanical sprockets, or pins, are located in the film sprocket holes. The machine is therefore suitable for archive materials. Film can be also driven by sprocket (optional).

■ Partition between two reels

■ Control by touchpad

- PLC Management machine, with color display 180mm.
- Settings adjustments and not only display of temperatures by touch screen.
- End film detection.



■ Technical specifications

Film capacity

4000 feet (1200m), 6000 feet (1800m) as an option

Formats

16MM/35MM

Film speed with PERCH

Until 150 feet / min.

Film speed with HFE 3M

50, 100, 230 feet/min (1000, 2000, 4200 meters/hour), variable speed

Cleaning tank capacity

14 liters

Distillation tank capacity

18 liters

Distillation time

HFE : < 2 hours

Perclo : 3 - 4 hours

Controls

Safety interlocks, film break detector, solvent level detector, temperature indicators, cleaning tank, drying pressure indicators, compressed air - solvent

■ Main technical features

- Shield separates the 2 reels to reduce contamination from "dirty" film from the "clean" section.
- Higher tank to increase the immersion time in the solvent.
- Big diameter velvet brushes with variable speed for a better efficiency.
- Higher drying cabinet and reinforced sealing of the cabinet to reduce solvent consumption.

ULTRACLEAN 2000

16/35 Film cleaning machine with solvent recovery with Perchlo as cleaning agent, speed up to 150 feet/min.

ULTRACLEAN 4200

16/35 Film cleaning machine with solvent recovery with HFE as cleaning agent, speed up to 4200m/h (230ft/min)



Width	131cm
Depth	86cm
Height	198cm
Crating size	150x110x226 cm
Weight	470 kg
Shipping weight	Approximately 650 kg
Power	220V, 50/60 Hz, single phase 32 Amp

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