



230 FEET/MIN
HFE



100 FEET/MIN
PERC

Cleaning machine Ultracleanseries

features

- Dual cleaning action with buffers & ultrasonic action
- Continuous solvent recovery & distillation
- Closed loop air drying
- Film drive by capstan
- Perchloroethylene or HFE 3M
- Control of brushes speed rotation

advantages

- Higher cleaning speed
- Low solvent consumption
- Better comfort of the user

DIMENSIONS

Width: 131 cm

Depth: 74 cm

Height: 194 cm
228 cm with pump

Crating size: 150 x 226 x 94 cm
(WXHxD)

Weight: 625 kg

Shipping weight: 725 kg

Power: 220 V, 50 Hz, uniphase
35 Amp

RANGE

Model	Designation
Ultraclean 2000	16/35 Film cleaning machine with solvent recovery with Perchlo as cleaning agent, speed up to 2000m/h (100ft/min)
Ultraclean 4200	16/35 Film cleaning machine with solvent recovery with HFE as cleaning agent, speed up to 4200m/h (230ft/min)



Cleaning machine

Ultracleanseries

• DUAL CLEANING ACTION with buffer & ultrasonic action

This system uses four buffers that, having been immersed in perchlorethylene, are mounted asymmetrically so that large areas of the film's surface come into contact with the velvet. The ultrasonic action assists in the cleaning. Thus the dual cleaning action gives the film the best treatment possible, removing stubborn dirt, grease, oil, fingerprints and other deposits, without the risk of harming the film in any way.

• RECOVERY & DISTILLATION continuous solvent 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. The purification processes occur during operation, thus no time is lost for recovery and distillation.

• PERCHLOROETHYLENE AND HFE

Each model is available in ready supply to be used with perchloroethylene or with HFE. A machine can function with either of the solvents, however those machines using perchloroethylene can be upgraded at any point to use HFE.

• 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. Furthermore, by including the air of the cabinet space in the closed loop of the processing system, the amount of solvent vapor released into the atmosphere is considerably reduced to minimal percentages. With conventional drying systems, during the loading and unloading of films, vapors can easily escape. **ULTRACLEAN** uses a partition to isolate the film loading section from the cleaning area, thereby limiting the concentration of vapors that can be found in the cleaning area.

• FILM DRIVE BY CAPSTAN

Film is propelled by a Capstan drive, thus assuring accuracy and steadiness. CTM DEBRIE cleaners 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)

• CONTROL BY TOUCHPAD

TECHNICAL SPECIFICATIONS

Film capacity

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

Formats

16mm / 35mm

Film speed with PERCH

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

Film speed with HFE 3M

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

Cleaning tank capacity

12 liters

Distillation tank capacity

16 liters

Tank capacity

18 liters

Distillation time

4 hours

Controls

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