

# Cleaning machine ULTRACLEAN

The best cleaning solution for your films



## HIGHLIGHTS

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

## ADVANTAGES

- ✓ Low solvent consumption
- ✓ Partition between a clean and a dirty reel
- ✓ High cleaning speed
- ✓ PLC management
- ✓ Better comfort for the user
- ✓ External conservation tank for HFE storage (optional)



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## Dual cleaning process with buffers & ultrasonic action

The system uses four buffers that are mounted asymmetrically so that large areas of the film surface come into contact with the velvet. There is a possibility to use two types of cleaning rollers, i.e. cotton cover or sponge depending on the type of tape to be cleaned.

A powerful ultrasonic generator operates at a high frequency of 40kHz and assists in cleaning. The dual immersion cleaning action gives the best treatment to the film removing dirt, grease, fingerprints and other contaminations. The physical contact is minimized.

## Wiper rollers 2020

The 4 wiper rollers of the cleaning tank are mounted on an axis which is driven by pinions / gears (and not by belts like on other machines). On the new generation cleaners the rollers always have the same position and there is no need to adjust them (which is not the case on machines with belts that relax, and where their position must be adjusted). According to the condition of the films, it is possible to regulate the speed of these four rollers. Depending on the speed of rotation of these rollers there will be more or less pressure exerted on the film.

## Continuous solvent recovery & distillation

The solvent is continuously reprocessed to maintain its purity and cleanliness for optimum quality of cleaning. ULTRACLEAN double condenser system then reprocesses the cleaning solution which is transferred back to the main reservoir.

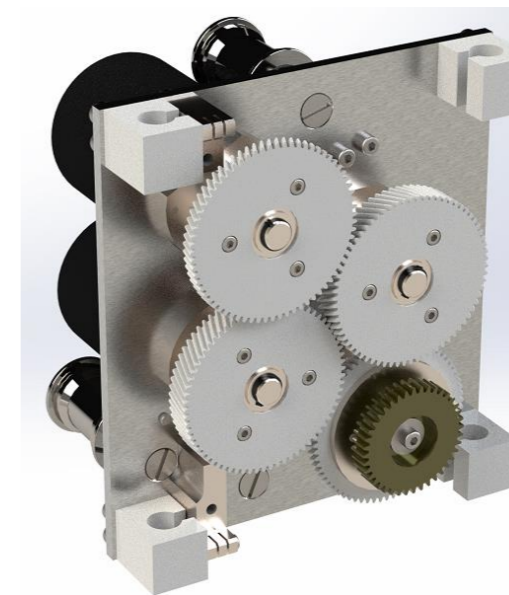
Filters remove particles as well as any aqueous contaminants.

## Closed loop air drying

Closed loop air-drying has 2 benefits: it reduces water contamination of the solvent and its consumption.

## Control by PLC

- PLC with color display 180mm
- Settings and temperature display on a touch screen
- End film detection



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## Capstan film drive

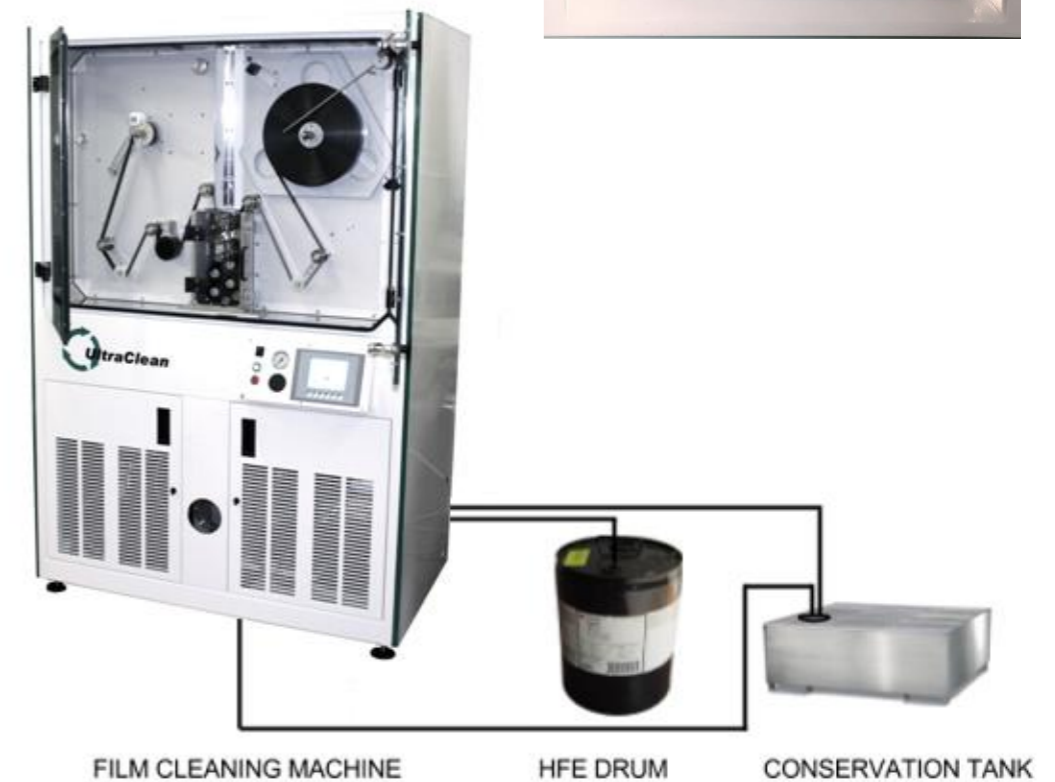
Film is propelled by a capstan drive at a constant speed assuring accuracy and steadiness. ULTRACLEAN uses servo-systems employing the smooth, continuous motion of the capstan drive system. There's no more risk of damaging the negative, since you no longer need to "pull" or "push" the film as is the case when mechanical sprockets or pins are located in the film sprocket holes. The machine is therefore perfectly suitable for archival materials.

Film can be also driven by a sprocket system (optional).

## NEW : External conservation tank for HFE storage (optional)

One major issue is the rapid loss of HFE by evaporation. An external conservation tank for HFE storage is a unique solution conceived by DEBRIE to solve this problem.

- 15L capacity
- Made of stainless steel
- HFE and energy saving
- Wear rates reduction
- Equipment life extension





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## TECHNICAL SPECIFICATIONS

### Film capacity

- 4000 feet (1200m)
- 6000 feet (1800m) – optional

### Tanks capacity

- Cleaning tank capacity: 12 L
- Distillation tank capacity: 16 L
- Tank capacity: 18L

### Formats

- 8-S8mm/ 16-S16mm / 35mm

### Distillation time

- under 3 hours

### Film speed

Variable speed

- PERCH: 0 à 34 m/min
- HFE: 0 à 67 m/min

### Dimensions

- Width: 1310 mm
- Depth: 740 mm
- Height: 1940 mm (2280 mm with pump)
- Net weight: 625 kg

### Power

- 220 V, 50 Hz, 1 phase, 35 Amp

