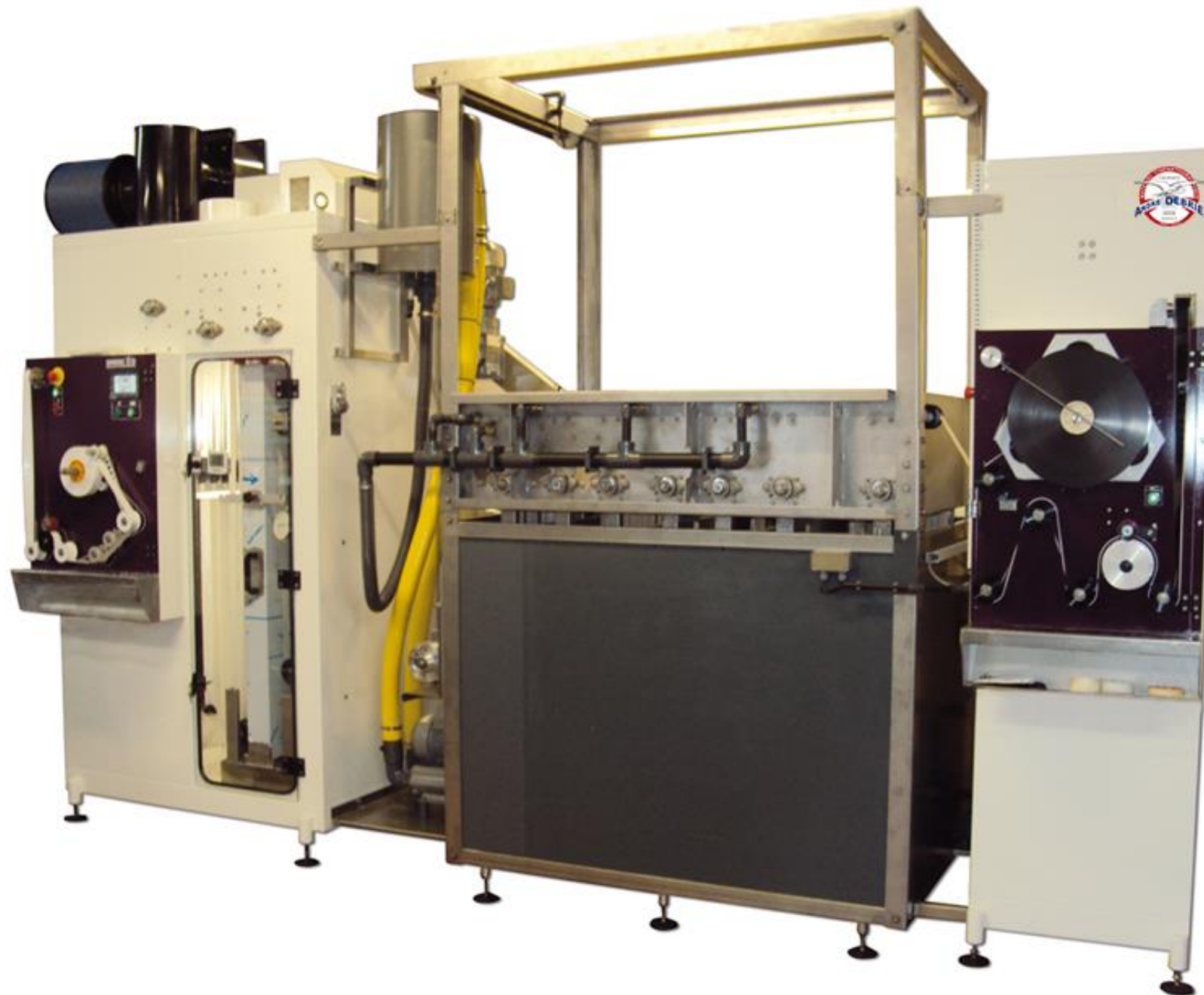


CLARA - Rejuvenating machine

Removing fungus – Reducing scratches



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HIGHLIGHTS

- Full rejuvenating process
- Fast and efficient drying unit
- Demand-drive
- Integrated pumps
- Ultrasonic cavitation (optional)
- Water & detergent spray buffers

CLARA is composed of 3 parts:

- ❑ Unwinding unit
- ❑ Humid part (frames, pumps, lift system)
- ❑ Winding unit (drying)

Full rejuvenating process

The humid part is a monoblock consisting of 4 PVC tanks, 7 stainless steel racks of 12 loops each. The tanks are filled with chemical or film processing agent and washing water maintained at a temperature by means of a pump exchanger.

The 3rd and the 4th tanks mainly serve for washing-out before drying.

The last tank contains distilled water to avoid any stain during drying.

Washing block

The washing block is installed on the 1st tank. It consists of 4 mechanically driven cleaning rollers turning in the direction opposite the running direction of the film.

Polishing block

This block consists of 5 rollers covered with suede. After being moistened the film becomes soft and when combined with the emulsion it reduces scratches and smoothes the film surface without risk of physical damage.

Rollers turn in the direction opposite the running direction of the film. Cleaning rollers are supplied with distilled water. Thanks to distilled water, no spots and stains are left during drying.



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Several cleaning modes

CLARA integrates two systems of brushes for 2 cleaning modes:

- cleaning only (dirt, mold etc.)
- cleaning and polishing

Efficient drying unit

1 stainless steel cabinet with:

- 2 x 9 loop racks
- 1 film drying and reheating system
- Air supply into the drying unit
- Sensor temperature control
- Humidity control system

Drying unit is easily regulated depending on the chosen speed.

Demand-drive

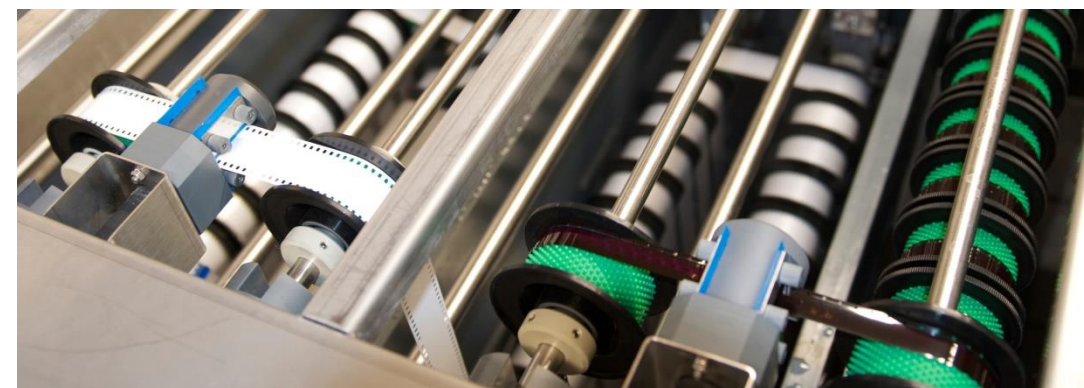
The film is driven by demand-drive. CLARA uses servo systems for smooth continuous motion of the demand-drive system. Demand-drive reduces the risk of damaging the negative.

Electronic control

All processes are electronically controlled by color touch screen.

You can choose a corresponding menu page and make needed configurations for each operation.

- Memory settings to consult temperature and other graphics of previous working hours
- Operator support system



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Unique lift system designed by Debie

Debie designed new technology for simultaneous lift of all frames in the washing unit. This operation is motor-driven by means of metal ropes. It facilitates technical maintenance, frames inspection, and reduces film loading time. In case of film breaking and other failures, an operator can immediately lift the frames and take out the film without damaging it.

Ultrasonic cavitation (optional)

Ultrasonic cavitation can be installed for optimum film cleaning. The ultrasonic transducer is conditioned in a specific stainless steel element. The generator of ultrasonic waves is installed in the machine independently. The control panel is placed on the generator itself.

TECHNICAL SPECIFICATIONS

- ☐ Film capacity: 600m (2000 feet)
- ☐ Film formats: 16/35 mm
- ☐ Film speed: 750 or 1000 m/h
- ☐ Tanks: 1 PVC monoblock of 4 tanks
- ☐ 2 circulation pumps
- ☐ Heat exchanger + filter: 2
- ☐ Unwinder & winder buffers: 1min 30s at full speed (750 m/h)
- ☐ Take-off & take-up: constant tension
- ☐ Power: 380V, 50Hz, 3phases (P+N+Ground), 15 kW

DIMENSIONS

- ☐ Length: 4100 mm
- ☐ Width: 1375 mm
- ☐ Height: 2447 mm
- ☐ Net weight: 2000 kg

