Rejuvenating machine
Claraseries

Removing fungus – Reducing scratches

features

Full rejuvenating process
Ultrasonic cavitation (option)
Water & detergent spray buffers
Efficient drying unit
Demand-drive
Electronic controlled
Independent circulation group

advantages

Low-cost solution designed for new and old films
Lowest possible operational and maintenance costs
Easy-to-service design

DIMENSIONS

Width:	210 cm (for Clara 500) 320 cm (for Clara 1000)
Depth:	260 cm
Height:	199 cm with rack lifted: 290 cm
Net Weight:	500 kg
Gross weight:	750 kg (once packed)
Power:	220V triphased or 380V triphased 15 kw, 50 or 60 Hz

Rejuvenating machine

Claraseries

• FULL REJUVENATING PROCESS

One rewashing unit consists of a 4 PVC tanks and 4 stainless steel 9 loop racks of a length of the first tank can be filled with a chemical agent or film processing agent. This product circulates and is maintained at a temperature by means of a pump exchanger. This tank is built so as to receive a stainless steel element of the ultrasonic transducers that can be immersed. The 2 other tanks enable rinsing by means of a countercurrent washing. The last tank contains water with a wetting agent to avoid any stain during the drying.

• WATER & DETERGENT SPRAY BUFFERS

In tank 2 and 3, a washing box can be installed for a more efficient cleaning. This box is composed of 2 buffers turning in the opposite direction of the film run by means of a motor reducer. Before the 2 spray buffers spread water & detergent on the film. After the 2 spray buffers are provided with clean water to remove the last dirty particles. When placing the washing box on the tanks, the film runs by circulating from tank number 1 to 3 and 4, or number 1 and 2 to 4.

• ULTRASONIC CAVITATION (OPTION)

Ultrasonic cavitation can be installed for an optimum cleaning of the film (this set & stainless steel element of the transducer are optional extras).

• EFFICIENT DRYING UNIT

It is composed of 1 or 2 stainless steel cabinets of:
- 2 x 9 loop racks of a length of 70 feet each
- 1 film drying or reheating system
- 1 temperature regulator with probe

(whose adjustment can be easily modified according to the speed and type of film running in the machine)

• DEMAND-DRIVE

Film is driven by demand-drive. **CLARA** uses servo systems, which employing the smooth continuous-motion of the demand-drive system. The demand-drive removes the risk of damaging the negative, even if there is a failure, since it is neither necessary to “pull” nor to “push” the film as is the case when mechanical sprockets, or pins, are located in the film sprocket holes.

• ELECTRONIC CONTROLLED

CLARA’s take-up and take-off processes are electrically controlled. It contains the temperature control elements (drying of the processing tank), an hourly counter and various control buttons (general, switch on, stop, pump, speed variator).

• INDEPENDANT CIRCULATION GROUP

CLARA has an independent circulation group and storage tank. It is composed of a stainless steel support on which are installed: a group for temperature operation and a pump for tank 1 (and tank number 2 if needed). A tank & a pump anabling the washing box to be filled with water & detergent.

TECHNICAL SPECIFICATIONS

Capacity
600, 1200 meter (2000, 4000 feet)

Film formats
16mm & 35mm

Film speed
variable up to 500 m/h, or 1000m/h

Take-off and take-up
electronic control

Film drive
electronic control

RANGE

Model	Designation
CLARA 500	500m/h rejuvenating machine
CLARA 1000	1000m/h rejuvenating machine