

# MiniPlex



## Miniplex High Tech processor

### features

Negative - Positive – Black & white  
Demand drive or sprocket drive

### advantages

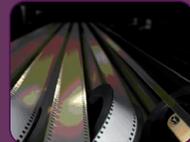
Low pressure on the film > higher quality  
Neutral axis > Better reliability  
Fully computerized > control of every parameter  
Tension pneumatic system



Minimum Pressure



Tension Regulation



Neutral Axis



Rock Lift System



Drying dampers



Easy maintenance

# Standard processing machine

## Miniplex

### + TECHNOLOGY

#### PERFECT TENSION REGULATION > MINIMUM PRESSURE

The weight of the lift and its very soft movement has been specially calculated to respect a tension strictly below to 300 grams. This guarantees smooth running, a very regular movement of the lift and a minimum of pressure on the film. There is no risk of snapping or stress on the film.

#### RESPECT OF THE NEUTRAL AXIS > BETTER RELIABILITY

The neutral axis of the film is scrupulously respected, with precise orientation of the rollers and with precise spacing in between them. This avoids any friction with the edges of the film and guarantees a graceful and smooth film path. Since there is no risk of friction with the edges of the rollers, there is no chance of negatively affecting our perfect and constant tension. CTM machines have neither a risk of premature wear of the rollers edges, nor of the resultant deposit of dust: two problems frequently encountered on other machines.

#### 70 MM ROLLERS > LESS TENSION

All of the rollers on our machines have a diameter of 70 mm. This diameter is greater than any of the ones from the competition, which offers you the advantage of less strain and less tension on the film. The rollers of the competition are smaller and the stress on the film is greater, which results in greater risk.

#### GEAR MOTOR RACK LIFT SYSTEM > RELIABLE & SIMPLE

All racks can be lifted out of the tanks together for inspection, loading or maintenance. This action is accomplished with gear motors driving 2 load chains. The entire lifted part can be mechanically locked in the upper or intermediate position for replacement of the wipers. CTM DEBRIE has chosen this reliable and easy to maintain technology, rather than a hydraulic cylinder lift system. The hydraulic system cylinder beneath the processor, and a hydro-electric power station with regularly scheduled required maintenance. Our gear drive system is also preferable to a system with cables which is more complicated and more fragile.

### + EXPLOITATION

#### Complete computing control MOSGI > More security and more simplicity

This Windows software and the entire control

system is much more than a programmable electronic interface:

- Control of temperatures and instructions for every bath, speed instruction, footage, command of the drying.
- Monitoring and adjustment of all temperatures, to command the pumping group and to obtain information on it.
- Alarm : all eventual machine defects, classified by sectors.
- History Page : the temperature during the last 7 days: A Very complete and friendly interface, very simple and easy to use. Coloured touch screen



### + MAINTENANCE

#### Multi-holes spray rods fixed on the tank > Superior Bath Agitation & easy maintenance

The spray rods in our baths have more holes, with smaller diameters. More diffusion of the bath resulting in better developing of the film. No risk of creating chemically overloaded baths, which would evolve too fast during the developing process. This poor condition is frequently encountered on other machines.

#### Ball bearings with bearing seals

Very good protection of the ball bearing with joint spinnaker. Maintenance can be done only 1 / year. On other machines, no protection of the ball bearings. No protection, so a need to change the ball bearings regularly

#### Ball Bearings > less maintenance

Glass ball bearings for the wet section, and stainless steel ball bearings for the dry sections. This allows for very intensive use, and requires changing of the ball bearings only once a year. Other machines are using standard ball bearings, or even wings with the rollers fixed directly on the shaft. They frequently break and can damage film. Because of the fear of breaking film, simple wings must be replaced inordinately often.

#### Removable Drying Dampers > easy maintenance

Every damper is removable and fixed on a track. Its removal or its implementation takes less than one minute. This ensures fast and easy maintenance. There are no parts to remove to access or to handle it.