

The **RTI** Group:

Standard machine specification

Designed and built to suit a wide variety of speeds and film stock, and to suit individual customers requirements



General specification

- ▶ 316 Stainless Steel construction throughout or titanium where necessary
- ▶ Demand friction drive
- ▶ Spring centred spools
- ▶ Circuit breakers throughout for protection
- ▶ All idler spools ball-raced
- ▶ Film retainers on all lower spools
- ▶ Simple in design, construction and maintenance
- ▶ Non emulsion contact prior to developer

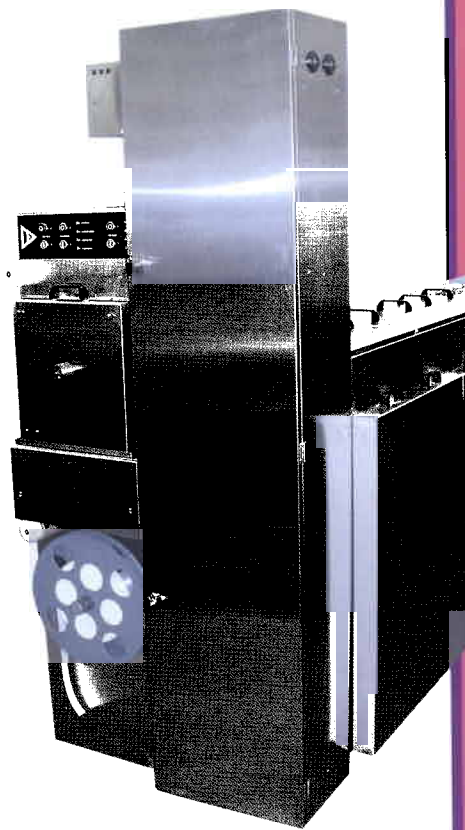
Calder film processing equipment

Cassette

- ▶ Stainless steel construction
- ▶ 1200 or 2400 ft capacity
- ▶ Rotation indicator

Cassette Mounting Unit

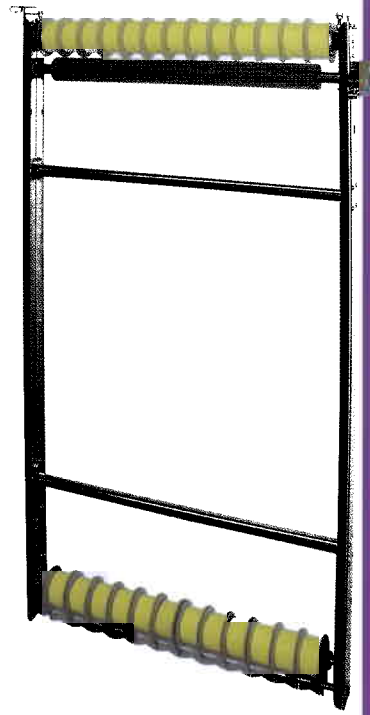
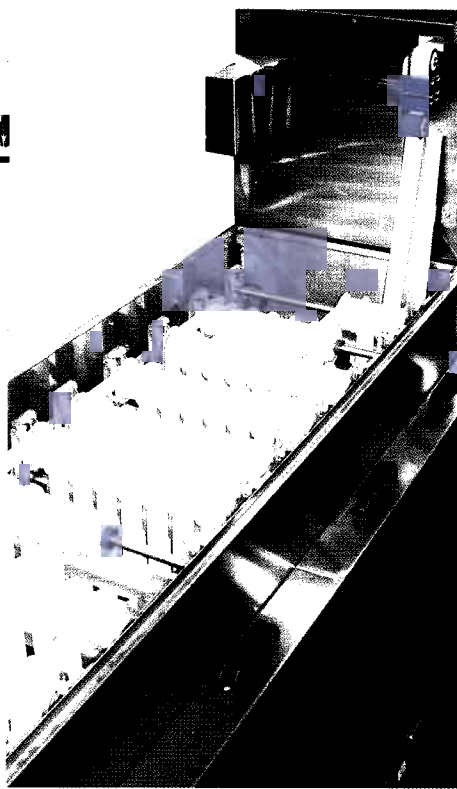
- ▶ Stainless steel construction
- ▶ Leader dispenser
- ▶ Film end detector
- ▶ Stop/Start for machine drive
- ▶ Stop/Start for machine pacer
- ▶ Stop/Start for input pacer
- ▶ Warning light panel
- ▶ Elevator position light panel
- ▶ Alarm cut-out button
- ▶ Static Eliminator (Statstrip)



Feed-on elevator

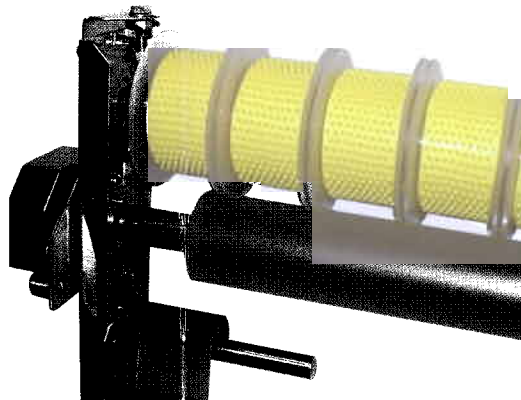
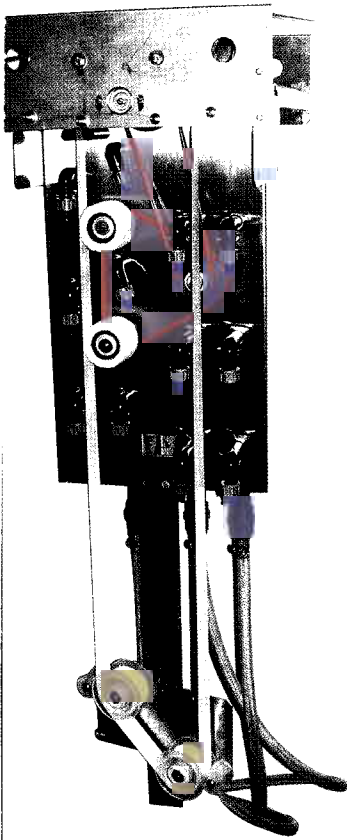
- ▶ Stainless Steel construction
- ▶ 1 minute minimum changeover time
- ▶ Input pacer controlled by elevator position with soft start
- ▶ Film break warning
- ▶ Elevator break warning
- ▶ Elevator rise warning
- ▶ Machine cut-out switch
- ▶ All spools ball-raced

Cassette Mounting Unit
Feed-on Elevator



Wet Section

- ▶ Removable film racks with adjusters for tension control
- ▶ Diablo or Flatbed spools with soft touch or bar tyres
- ▶ Stainless steel tanks or titanium where necessary
- ▶ Urethane wipers between process stages (combination fixed/sprung)
- ▶ Independent agitation of developer (through spray bars)
- ▶ Backing removal unit - 2 stage - rinse/buff
- ▶ Wash fed by spray bars at tank top with overflows from bottom
- ▶ Wash flow solenoid actuated by the main drive
- ▶ Rotary buffer or vacuum squeegee prior to dryer
- ▶ Rack Support Rail



Wet Section



Drying cabinet

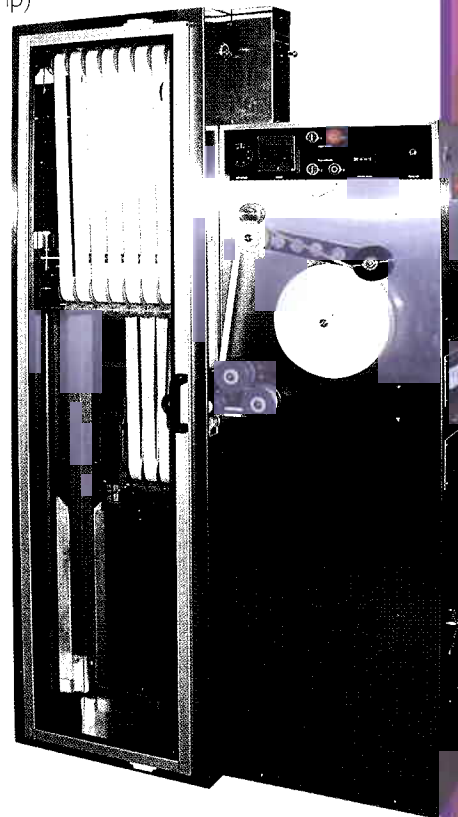
- ▶ Stainless Steel construction
- ▶ Impinged air drying
- ▶ Removable racks
- ▶ Automatic temperature control
- ▶ Easily removable impingement panels
- ▶ Manual humidity control
- ▶ Filtered input air
- ▶ Access doors both sides

Feed-out elevator

- ▶ Stainless Steel construction
- ▶ 1 minute minimum change over time
- ▶ Machine pacer controlled by electro-magnetic clutch
- ▶ Machine pacer override system
- ▶ All spools ball-raced
- ▶ Carriage descend warning
- ▶ Machine pacer cut-out
- ▶ Static Eliminator (Statstrip)

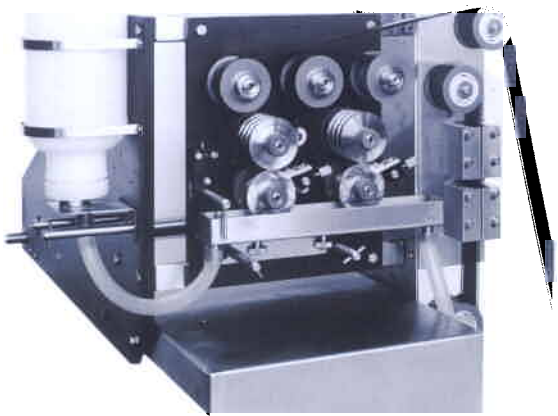
Take-up unit & control panel

- ▶ Stainless Steel construction
- ▶ Torque motor take-up controlled by elevator position with soft start
- ▶ Non-return roller
- ▶ Stop/Start buttons for machine drive
- ▶ Stop/Start buttons for machine pacer
- ▶ Take-up On/Off switch
- ▶ Variable speed ac main drive motor with inverter control
- ▶ Digital speed indication
- ▶ Lockable speed control potentiometer
- ▶ Soft start on Main Drive Motor



Drying Cabinet

Feed-out Elevator



Sound track applicator

- ▶ Anodised aluminium main plate
- ▶ Stainless steel bearings
- ▶ Film drive
- ▶ Adjustable wiper blades
- ▶ Adjustable comb
- ▶ Quick lift-off arm
- ▶ Micrometer adjustment for bead
- ▶ Single or twin heads
- ▶ Chicken feed solution systems



Replenisher unit

- ▶ Stainless Steel construction
- ▶ Metering pumps or flowmeter as desired
- ▶ Tank level & calibration panel supplied with metering pumps

CORPORATE HEADQUARTERS

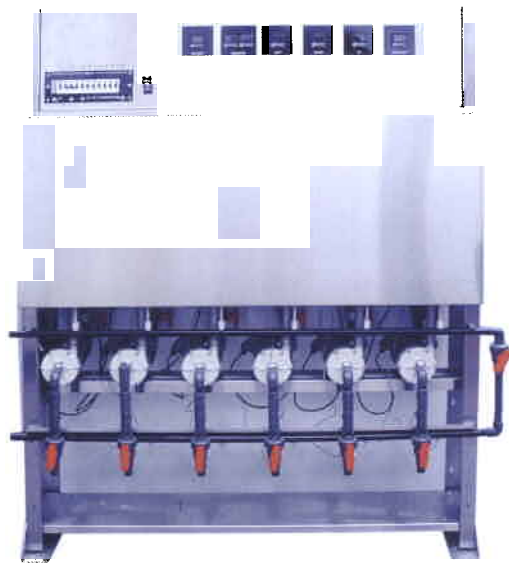
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Chemical control unit

- ▶ Stainless Steel construction
- ▶ Magnetic drive pumps
- ▶ Digital proportional temperature control and display with triac output
- ▶ Circulation, filtration and temperature control of all solutions
- ▶ Circulation failure warning system
- ▶ Overheat protection for heat exchangers
- ▶ Heating by removable cartridge heaters
- ▶ Plug-in electrical components
- ▶ Sample taps for all solutions



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Lipsner  Smith



Calder
Equipment



Calder film processing equipment