

Advanced LabMaster Plus

16/35mm Silver (B/W) Film Processor

NEW FEATURES

- Dart Speed Controller for increased reliability and control
 - Features “soft start” control, which allows speed to gradually increase from standing start
- Microprocessor-based temperature controllers
 - Increased reliability and control for solutions

MORE FEATURES

- Continuous processing of 16 or 16/35 mm negative film up to 120 FPM
 - Meets increased microfilm service bureau requirements for reliability and volume
 - Capable of 200' per minute
- 20% smaller footprint than comparable processors; requires less lab space
- Worldwide product support backed by operation and maintenance training at our factory or your facility
- Utilizes industry's finest quality processing system: HF's single-shaft demand drive, deep-tank processing, feedback speed controller and microprocessor-based temperature controls
- Lower maintenance per roll of film throughput than any comparable processor on the market
- Durable stainless steel construction
- Large load and take-up accumulators

NEW SPEED CONTROL FEATURES

- Use of DART speed controller improves reliability and control
- Soft Start feature allows processor to gradually increase the speed from standing start

MICROPROCESSOR-BASED TEMPERATURE CONTROLLERS

- Our temperature controllers provide excellent control over solution temperatures
- Maintains developer and fixer temperatures to within $\pm 0.25^{\circ}\text{F}$

SINGLE-SHAFT DEMAND DRIVE

- Single-shaft demand drive requires no adjustments
- Long-lasting, robust drive components
- Quiet operation even at high-speeds

LOAD AND TAKE-UP ACCUMULATORS

- Large load & take-up accumulators minimize operator errors and permit non-stop, continuous processing



HF PROCESSORS
A Crowley Company

HIGH-QUALITY PROCESSING SYSTEM DESIGN

- Advanced LabMaster processor designed with a system approach to accommodate many key customer requirements
- Compact footprint
- Microprocessor-based temperature controllers
- Electronic speed control
- “No-hassle” accumulator design
- Splice break alarm
- Low-film sensor alarm

ADVANCED MANUFACTURING

- The Crowley Company utilizes advanced CAD methods to efficiently produce reliable designs. With our combined 60 years of industry-recognized experience, this combination creates superb quality products which results in superior customer satisfaction.
- Operation and maintenance manual and illustrated parts list provided in color

GENERAL SPECIFICATIONS

Film Type: Black & white conventional negative

Film Sizes: 16 or 16/35 mm

Operation: Daylight

Temperature: Variable from 10 F (5.5C) above ambient. Refrigeration available as an option.

Film Load: 2000' (610m) daylight magazine

Output: Variable (based on development time)

Construction: 316L stainless steel

Power: 115/230V or 120/208V, 60 Hz
220/240V, 50 Hz

Note: Any power configuration can be accommodated per customer specification.

Wash: Spray system. Water-saving solenoid or incoming water line is standard

Dimensions: Width: 62 in (1575 mm) Depth: 32 in (813 mm)

Film Output	Developer Time	16mm	16/35 mm
	@45 sec	120 fpm (37 m/min)	60 fpm (18 m/min)
	@60 sec	90 fpm (27 m/min)	45 fpm (14 m/min)
	@75 sec	72 fpm (22 m/min)	36 fpm (11 m/min)

Power Consumption: (MAX) 32 AMPS

Water Requirements: 5-7 gpm (19/26 liter/min)

Film Supply Change Time Available: 40 sec @ 90 fpm (27m/min)

Process Cycle	Tank Capacity	Film Capacity (16 mm)	Film Capacity (16/35)
Developer	15 gal (57 liters)	90 ft (27 m)	45 ft (14 m)
Rinse	7.5 gal (28 liters)	45 ft (14 m)	22.5 ft (7 m)
Fixer	15 gal (57 liters)	90 ft (27 m)	45 ft (14 m)
Wash	22.5 gal (liters)	135 ft (41 m)	67.5 ft (21 m)
Dryer	N/A	106 ft (32 m) 56 ft (17 m)	56 ft (17 m)

STANDARD FEATURES/ITEMS

- 2000' load magazine
- Film lock release (leader-load bracket)
- (2) 2000' take-up reels
- Water-saver solenoid on incoming water line
- Splice separation alarm
- Hand stapler and monel staples
- Operations and maintenance manual with illustrated parts list

OPTIONAL FEATURES/ITEMS

- ChemManager automatic solution blending/pump system
- Flowmeter / storage tank replen systems
- Water temperature control panel
- Spare parts kit
- Solution refrigeration system
- Brown-toning
- Darkroom load operation
- Silver recovery unit