

# 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
- Microfilm processor-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 60 rolls per hour
- 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, new speed controller and microfilm processor-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

### MICROFILM PROCESSOR-BASED TEMPERATURE CONTROLLERS

- Watlow 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
- Microfilm processor-based temperature controllers
- Audible and visual alarm temperature indicators
- 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 and on CD-ROM

## 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

**Film Load:** 2000' (610m) daylight magazine or dark

**Output:** Variable (based on development time)

**Construction:** 216L 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	
		Capacity	Speed	Capacity	Speed
	@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:** 30 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)

- 2000' load magazine ("A" load)
- Film lock release (leader-load bracket)
- (2) 2000' take-up reels ("X" take-up)
- Hand stapler and staples
- Water-saver solenoid on incoming water line
- Splice separation alarm
- ChemManager blending system
- Water blender
- Solution refrigeration system
- Darkroom load operation
- Spare parts kit
- Operations and maintenance manual with illustrated parts list (hardcopy & CD-ROM)