

Advanced LabMaster 2000

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

Up to 120 Feet per Minute!

Houston Fearless 76, Inc.

**Archival-Quality, High-Speed, New Features. . .
Over 60 Years' Industry Experience!!!**



*Advanced LabMaster 2000
16 or 16/35 mm
Daylight Operation*

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 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 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

World's Most Reliable Long-Roll Film Processor!

Houston Fearless 76, Inc.

203 W. Artesia Blvd., Compton, CA 90220 (U.S.A.) • Phone (310) 605-0755 • Fax (310) 608-1556

Toll Free (800) 421-5000 • www.houstonfearless.com • sales@houstonfearless.com • An ISO 9000 Compliant Company

New Speed Control Features



2000 ft Daylight Magazine

- Use of DART Speed Controller improves reliability and control
- “Soft Start” feature allows processor to gradually increase to speed from standing start



DART Speed Controller Display

Microprocessor-based Temperature Controllers

“Soft Start feature allows processor to gradually increase speed from standing start.”

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



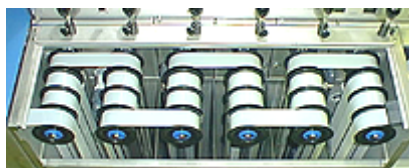
Microprocessor-based Temperature Controller Display



Easy Maintenance

Single-Shaft Demand Drive

- Single-Shaft Demand Drive requires no adjustments
- Long-lasting, Robust Drive Components
- Quiet operation even at high-speeds!



Single-Shaft Demand Drive

Load & Take-Up Accumulators

- Large Load & Take-Up Accumulators minimize operator errors and permit non-stop, continuous processing



Large Load & Take-Up
Accumulators



Light Trap & Air
Squeegee

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
 - Audible and Visual Alarm Temperature Indicators
 - Electronic Speed Control
 - “No-hassle” Accumulator Design
 - Splice Break Alarm
 - Low-Film Sensor Alarm

“Designed with a “System” approach to accommodate many key customer requirements.”

Advanced Manufacturing

- Houston Fearless 76 utilizes advanced CAD methods to efficiently produce reliable designs. With our 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 now provided in color and on CD-ROM!**



“No-Spill” Stainless Steel
Drain Trough

General Specifications

Film Type:	Black & White Conventional Negative
Film Sizes:	16 or 16/35 mm
Operation:	Daylight
Temperature:	Variable from 10 °F (5.5 °C) above ambient
Film Load:	2000 ft (610 m) Daylight Magazine or Dark-
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 at customer specification.
Wash:	Spray System. Water-saving solenoid on incoming water line is standard.
Dimensions:	Width: 62 in (1575 mm) Depth: 32 in (813 mm)

Customer Focus

Houston Fearless 76 prides itself in providing the utmost in customer service and satisfaction. Our products and services are backed by our Houston Fearless pride, over 60 years' experience, and our industry-recognized warranty. The majority of our customers are return customers and new ones are always coming.

Go to Houston Fearless !!



Detailed Specifications

Film Output	Developer Time	16 mm	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	30 AMPS		
Water Requirements	5-7 gpm (19-26 liter/min)		
Film Supply Change Time Available	40 sec @ 90 fpm (27 m/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)

STANDARD EQUIPMENT

- 2000 ft. Load Magazine ("A" Load)
- Film Lock Release (Leader Load Bracket)
- Two 2000 ft. Take-Up Reels ("X" Take-Up)
- Roll Leader
- Hand Stapler and Staples
- Water-Saver Solenoid on Incoming Water Line
- Splice Separation Alarm
- Operations & Maintenance Manual with Illustrated Parts List (Hardcopy & CD-ROM)

OPTIONAL ACCESSORIES

- ChemManager Blending System
- Water Blender
- Solution Refrigeration System
- Darkroom Load Operation
- Spare Parts Kit

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