

BHP Inc.

M O D E L S

6127C/6131C

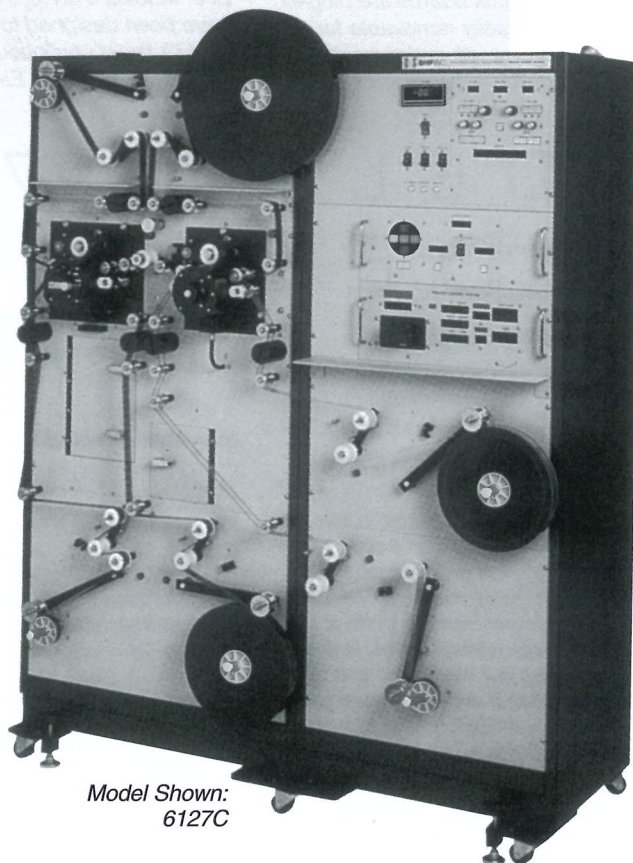


Compact Dry Modular Printer

With its compact size, Models 6127C and 6131C are fully featured printers offering the benefits of multi-format bi-directional dry printing to laboratories with lower print volume requirements.

This leaflet describes the 6127C.
See overleaf for details of 6131C differences.

Model Shown:
6127C



BHP, Inc., successor to the Bell & Howell Professional Equipment Division and world's most experienced manufacturer of precision motion picture film laboratory equipment, presents the latest model of its compact modular continuous contact motion picture film printer.

The Model 6127C Printer has been designed to maximize print quality, negative safety and production efficiency. The simplified film threading path and bi-directional film transport system provide efficient, high quality release printing. Further use of the optional electronic fader permits fast preparation of intermediate negatives with unmatched quality, accuracy and safety of original camera negatives.

Interchangeable Film Formats

Model 6127C Printers accept interchangeable picture and sound printing heads to enable printing both 16mm and 35mm format films on the same printer. Printing head/film format changes may be done quickly and easily without tools. Sprocket location, dual format film transport rollers and printing aperture gate rollers are all factory pre-aligned. Precision single format 35mm film rollers are also available for those laboratories requiring only 35mm print production. Safe light threading lamps are provided on the printer above each printing head.

Unmatched Print Steadiness, Gentle Film Handling

The patented film transport system utilizes a DC servo motor design that does not require feed and take-up sprockets. Its single sprocket design provides outstanding print quality at all film transport speeds for both standard printing applications and archival printing from cellulose nitrate base negatives or other shrunken film. The simplified film threading path facilitates fast, accurate set-up. The gentle film transport system is safe for original camera negatives and minimizes internegative wear over long print runs. The gearless drive system is quiet in operation and easy to maintain. Vacuum film cleaners with vacuum pump, or Particle Transfer Roller film cleaners for the picture and sound negatives, are available as options.

Fast, Accurate Exposure Control

Model 6127C Printers include the BHP additive color light source incorporating high speed BHP Electronic Light Valves. The BHP Electronic Fader is available as an option for smooth, accurate fades and dissolves. Simplified servo motor construction of both the Electronic Light Valve and Fader virtually eliminates maintenance and produces a significant breakthrough in accuracy and reliability of operation.

Modern, Flexible Printer Control

The Printer Control System is microprocessor based and provides for electronic storage of color, fade and frame count cue data. Control tape data may be accessed through the standard BHP photo-electric tape reader from standard BHP/Bell & Howell printer control tapes. Electronic Light Valve "trim" settings, Electronic Fader curve selection and a variety of printer set-up functions may be quickly and accurately made at the Printer Control System.

Operator Friendly

Other set-up and operating controls are grouped in convenient control panels. The Set-Up Control Panel is used for printer set-up and includes selector switches for film transport speed, printing mode and film format. A digital voltmeter is provided to selectively monitor printing lamp and other operating voltages. The Operator Control Panel permits one button printer operation while automatically incorporating a full range of printer safety features. A series of microcontroller based routines incorporated in the Set-Up and Operator Control Panels simplifies several printer set-up and maintenance functions.

Ease of Maintenance

The Printer Control System and Operator Control Panel are rack mounted on rails and may be slid out for adjustment and service. Printed circuit boards are plug-in modules and are easily removable for service convenience. All major mechanical components including the main drive

system, light valves, and the fader assembly are readily accessible from the rear of the printer

BHP Models 6127 & 6131 series printers have been designed to be among the world's finest continuous contact motion picture film printers. Each model provides

high quality print reproduction, gentle film handling, reliability of operation and ease of maintenance. All BHP printers are backed by a comprehensive product warranty and the resources of the BHP field/factory service department.

MODELS 6127C and 6131C

Ordering Information

Description

Model 6127C: Continuous Contact Dry Motion Picture Film Printer with one each picture and sound printing heads, automatic additive color light source with three electronic light valves, PCS program tape reader/controller with microprocessor color/frame count cue memory system, microcontroller set-up/diagnostics, single 3,000 foot (915 m) raw stock feed and take-up system, 3,000 foot (915 m) picture and sound negative feed and take-up systems, and picture printing lamp and sound printing lamp rectifier and power supplies.

Standard Film Format Models

The film format of the picture and sound heads furnished with each printer is identified by a letter suffix to the printer model number as follows:

Format	Models
35mm	6127CD & 6131CD
16mm	6127CJ & 6131CJ

Interchangeable Film Format Printing Heads and Accessories for 6127C and 6131C

Part No.	Description
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Printing Heads –

038407	35mm Picture Printing Head
038408	16mm Picture Printing Head
038326	Super 16mm Aperture Assembly
038448	16-35/32 Picture Printing Head
038409	35mm Sound Printing Head
038410	16-35/32 Sound Printing Head
038411	35mm Dolby Digital Sound Printing Head
038765	35mm Dry 2% Shrunken Picture Head
038754	35mm Dry 2% Shrunken Sound Head – Analog only
038756	16mm Dry 1.25% Shrunken Sound Head

Accessories and Spare Parts –

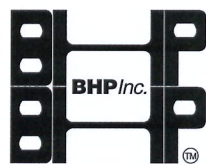
038675	Electronic Light Valve
038143	Program Tape Reader Head
038533	Electronic Fader
038364	Particle Transfer Roller Kit – Negative
038416	Dry Printer Spare Parts Kit 6127 only
038528	Vacuum Film Cleaner Kit
038636	BHP PCS Printer Control Editor Software
038663	Dry Printer Spare Parts Kit 6131 only
316994	35mm Particle Transfer Roller



MODEL 6131C

Description

Same as Model 6127C, but adds a 3-1/2 inch floppy disc reader to the Printer Control System, in addition to the standard control tape reader.



BHP Inc.

In U.S.A. and Canada
800-323-7520



Corporate Headquarters

4700 Chase
Lincolnwood, IL 60712-1689 USA
Phone: 800-323-7520 or 847-677-3000
Fax: 800-784-6733 or 847-677-1311
E-mail: sales@bhpinc.com
Web Page: www.bhpinc.com

International Office RTI (UK) Ltd.

6 Swan Wharf, Waterloo Road
Uxbridge UB8 2RA England
Phone: 44 (0) 7000-478485 or
44 (0) 1895-252191
Fax: 44 (0) 1895-274692
E-mail: inbox@rtiuk.co.uk