

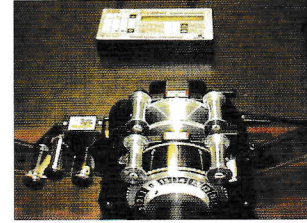
# Post Production

## Excalibur: The bridge between film & video

The Excalibur system is the link between film and video. Keycode and Timecode. Supported by a wide range of readers to capture keycode data from telecine or workbench, Excalibur's fast, efficient database gives the professional complete freedom to choose the best of film and video at all stages in the production. Excalibur's friendly graphic design, drop down windows with simple point and click operation make it easy to use.

- Compatible with Windows Keycode, Timecode & Automatic logging
- Powerful creative toolset
- Video & film editing
- EDL conversion & database
- Avid cutting file formats
- Frame accurate
- Edit any report and add comments

## Digisync



- Keycode readers
- Synchronisers
- Bench-top logging

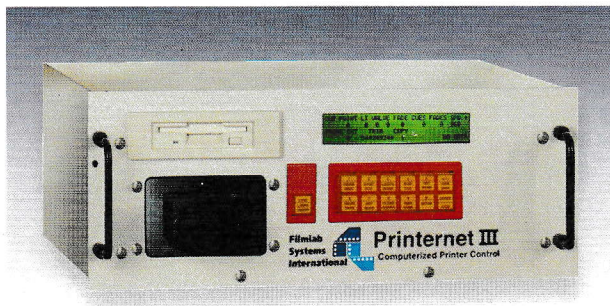
Digisync film barcode readers are designed to read the machine readable barcode edge numbers on the motion picture film. Readers are available for a wide range of applications, including telecine transfer, negative breakdown, workprint logging, edit list generation, color timing and negative conforming. Digisync can be used with database/production management software to provide a powerful tool for facilitating both film and film/video post production. The flagship of our product line is the Digisync Console. It is a small rectangular device with a keypad and display which provides the most powerful Keycode reading and film counter capabilities available today.

# Data Collection & Printing

## Printernet III: New Motion Picture Film Printer Control System

Designed specifically for the latest BHP printers, Printernet III from Filmlab Systems International, a subsidiary of the RTI Group, is the latest generation printer control system featuring 3 ways to drive the printer, electronic light valves and fader.

- Modernize Your Printer Control System
- Save Time & Money



The latest generation printer control system for BHP model film printers. Since both are a part of the RTI Group, there has been close cooperation between FSI and BHP engineers in the development of this new control system, to ensure you of a seamless integration film printer.

### Printernet III features:

3 ways to integrate data: traditional punch tape, 3.5" floppy disk, network or PC download via a USB port. Compatible with BHP, Bell & Howell, HFC®, Bremson, and Filmlab Systems and other manufacturers' formats. 1/2 step color and lighting trim. Cueing by FCC or external notch or RFQ units. Various test features included, such as a mode to check light valves and fader interlocks. Seamless integration with FSI's popular INPS software. The data for a particular movie is loaded into the PC by keying the job number. Excellent accuracy and repeatability. Printernet III can be fitted to BHP 6120 Series and the Model C. Users of Printernet II can readily upgrade to Printernet III.

## INPS for Windows

- INPS system
- Software protection card
- RGB BCD input
- FCC encoders

The new INPS software working under Windows with Pentium Processors still collects scene to scene color (RGB) and cue (FCC) data. The system now has greater capacity for data, the database has been expanded to take in more information from printers, analysers and regrade stations, it greatly enhances your ability to meet your clients needs. INPS workstations can be interfaced to synchronisers, analysers and editing tables. This enables the scene data to be collected directly from the machine running the film. The print can also be color corrected simply and efficiently at an INPS regrade station with the system retaining up to 2 generations of corrections in memory comparison.

| Time | L:000 | Data                                   | Time | 0  | 0  | 0  |
|------|-------|--|------|----|----|----|
| 11   | 1     | To make a duplicate from 11:00:00      | 00   | 00 | 00 | 00 |
| 12   | 1     | Correct from and from 11:00:00         | 00   | 00 | 00 | 00 |
| 13   | 1     | Correct 100 from length Pump failure   | 00   | 00 | 00 | 00 |
| 14   | 1     | and make additional 11:00              | 00   | 00 | 00 | 00 |
| 15   |       |  |      |    |    |    |
| 16   |       | To make a duplicate from 11:00:00      | 00   | 00 | 00 | 00 |
| 17   | 2     | Printed 11:00:00 from 11:00:00         | 00   | 00 | 00 | 00 |
| 18   | 3     | Make 11:00:00 from 11:00:00            | 00   | 00 | 00 | 00 |
| 19   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 20   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 21   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 22   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 23   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 24   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 25   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 26   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 27   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 28   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 29   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 30   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 31   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 32   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 33   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 34   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 35   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 36   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 37   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 38   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 39   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 40   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 41   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 42   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 43   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 44   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 45   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 46   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 47   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 48   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |
| 49   | 3     | To duplicate a duplicate from 11:00:00 | 00   | 00 | 00 | 00 |
| 50   | 3     | make 11:00:00                          | 00   | 00 | 00 | 00 |



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## Systems Integration via Labnet.

Networks of PCs are widely used in all kinds of businesses and have developed a reputation as providing a reliable and efficient means of sharing common data at a reasonable cost. Labnet is a standard network using standard PCs, each station on the network running one of the Labnet application programs. This gives the laboratory the benefit of specialised integrated software combined with the strength of a standard well proven networking system. A schematic of Labnet is shown on the facing page and the systems which integrate with Colormaster are described below.

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## Integration with INPS.

The Integrated Negative Preparation System is a data capture system which collects the scene to scene cue (FCC) and colour (RGB) data required to print a film. The INPS can be interfaced to analysers, synchronisers, and other laboratory equipment for automatic error free data capture. The data which can be stored on floppy disk or a network central hard disk is fully compatible with Colormaster. This provides operational flexibility, allowing the film to be cued for FCC prior to grading on Colormaster, the FCC data simply being called up from the disk by title or job number. Equally, a print may be viewed over a bench and grading corrections made by eye in the conventional manner.

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## Integration with Excalibur and Keykode.

The "front end" laboratory operation takes in camera negatives, develops them, provides film or video rushes, and normally ends with a fully graded master negative and print. The Excalibur option on Colormaster allows the rushes to be graded at the same time as the Keycoded edge numbers are automatically recorded. This provides three benefits:

1. The FCC and RGB scene to scene exposure data which is required to print the rushes is collected and is immediately available either as punched printer control tapes or as an INPS data file.
2. The Keykode numbers, camera rolls, scenes and takes are all recorded and filed under that production together with the rushes exposures. This data is then available to the neg cutter.
3. The edited work print or assembled negative can be put on Colormaster and viewed with the gradings appropriate to each scene automatically retrieved and displayed. This data is available as an INPS file as soon as the work print has been logged under Excalibur.

Use of the Prismatic Colormaster as an off-line telecine or "electronic printer" also integrates beautifully with the general front end services of a film lab who can now make video or film rushes using the same cueing and exposure data.

Finally, Excalibur provides an important link between film or video editing, converting easily between the film based edge numbering system and the video based timecode numbering system.

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## Integration with Printernet.

Printernet replaces the conventional punched tape printer controllers with a PC. The data from INPS or Colormaster is read from disk or via the network and controls all printer light changes and operational functions.

**Systems integration.**