

The flashtransfer "vario" combines several characteristics which have been developed to meet all the requirements in a film archive or postproduction environment. It is practically possible to use any picture sensor to get resolutions up to 4K or higher. With the build in "LSD" (Laser shrinkage detector) the system can transfer dynamically shrunken material (up to 4%) without any problems while it collects different types of meta data (XML file) like condition of perforation, splices, shrinkage etc. The continuous capstan film transport with its large guide rollers and the possibility to use large film reels up to 4000ft reduces the risk of damaging the film material during the transfer process to a minimum. The optimized laser technology provides you excellent picture stability even with highly damaged material.

## Hardware:

- Variable resolution
- Continuous motion capstan drive system
- 16/35mm continuous transport film-drive
- 1200m / 4000 ft reel capacity!
- Mapping of damaged perforations (Metadata output)
- Laser optimized picture stabilization and shrinkage compensation for picture and sound (Metadata output)
- Switchable 3-perf / 4-perf mode
- Various film transfer speeds up to 25p\*
- Variable shuttle speed with steady image (5-800fps)
- RGB LED Light source also suitable for Nitrate material
- Optical sound readers 35mm and 16mm
- Magnetic sound readers for 35mm and 16mm
- 9-pin RS422- slave device machine control
- Tri-level sync
- Film cleaning roller unit with four PTR's available optional
- Optical zoom, focus & pan position

\* depending on picture sensor

## Software:

- Controls the signal processing on dedicated hardware
- Primary colour correction (Black, Gamma, Gain)\*
- Six vector secondary colour correction\*
- Support for MWA "commander" remote control
- Programmable event notification (Tally, Message box, Beep, Text Overlay, GPIO)
- Settings memories
- Settings automation by Cue points
- Histogram
- Automatic white balance\*
- Automatic colour balance\*
- Picture enhancement functions (Knee, Detail, Limiter...)\*
- Transport control: Wind, Shuttle, Play and Cue
- Colour bars\*
- Frame counter
- B&W scanning\*
- Blanking and Aspect Ratio Conversion\*
- Shrinkage > 4%
- Adjustable film tension (1N – 6N)

\* depending on picture sensor

