

Standalone sound reproducer developed for everyday use

No sprocket – no capstan – no limits

24bit / 48 kHz & 24bit / 96 kHz

Hardware Features

- Standalone operation as sound reproducer, no computer needed
- No time offset between audio and picture
- Sprocketless and capstanless continuous motion transport
- High precision winding motors with 50000 increments per revolution.
- Unlimited shrinkage, any film geometry definable.
- Precise measurement and control of the film tension.
- Stable transport with super low film tension down to 20 grams (0.2 Newton).
- Robust and simplified design with only one linear tension roller.
- Automatic end stop and stop at sticky reels, automatic winding direction automatic laser positioning..
- Large Rollers for reduced stress on splices.
- Rollers easily exchangeable for exotic film widths.
- MWA Laser Registration 2.0 with two lasers and motorized track selection.
- Built in touch screen control.
- Fast boot time, machine wakes up and has touch screen operable in 1sec.



Audio Features

- Dedicated sound heads for optical and magnetic sound
- Ultralow sound jitter through velocity-adaptive sampling.
- Biphase (master or slave) sync to other scanners/telecines.
- Sepmag sync connection between two machines for accurate transport
- Sound sampling rate 24bit 48kHz / 24bit 96kHz
- Precisely adjustable azimuth and tracking position
- Combined head for 16mm and 35mm
- Motor driven sound focussing
- No head contact during shuttle speed operation
- Improved wow+flutter through integrated encoder
- Digitization directly at the head, 100dB signal-to-noise ratio (Optical sound measured at non moving film)
- Sound heads for all kinds of tracks.



Scanner Hardware Technical specifications:

- Transport speeds: 8mm - 1200fps 16mm - 600fps, 35mm - 300fps
- Reel size: Maximum 600m (2000ft), free space for reels 420mm
- Minimum 20mm
Film shrinkage $\pm 5\%$ for predefined formats, custom formats definable for any shrinkage.
- Vertical stabilization MWA Laser Registration (pat.), Revision 2.0 with two lasers@35mm.
- Connector Options
- GPIOs
- Biphase Sync IO
 - MWA Sepmag Sync for precise coupling of two machines
 - AES/EBU IO for external sound capture and replay
 - Power consumption 50W ... 100W average, play forward 25fps (scanner hardware only)800W rated



Illustrations may feature optional equipment. Products are subjects to continuous technical modification.