

# Film Scanner PERENITY 2

The best complete scanning solution for Archives



DEBRIE - Non-contractual information, pictures. Please contact us for updated information.  
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## HIGHLIGHTS

- Multi format: from 8 to 35mm
- 5K (HDR mode – option) / 4K / 2K
- Specially conceived for handling any type of damaged film with a large amount of missing or damaged perforations
- Sprocketless laser detection
- Picture stabilization through the perforation analysis
- High-power cold RGB LED source
- New KOLIBRI software functionalities:
  - ✓ Video noise reduction
  - ✓ Automatic scene detection & Timeline
  - ✓ Automatic white balance
  - ✓ Automatic level correction
  - ✓ Autofocus

## Fast and easy operation

PERENITY simultaneously generates 2K/4K DPX and H264.

It's very easy to load and unload the film. When changing film formats, PERENITY automatically adjusts the optical magnification to format changes – it requires less than 2 minutes.

## Special cabinet

PERENITY is designed as a special cabinet equipped with air vacuum system which allows to channel air out via the pipes, thus avoiding the fumes of acetic acid (vinegar syndrome).



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## Laser Detection

Perforations are detected by laser. It allows accurate picture positioning. Combined with KOLIBRI software, laser detection ensures excellent results even with your damaged films. The system is sprocketless – it's a non-aggressive solution for your film. With laser detection PERENITY can handle any type of film shrinkage (up to 5%).

## Picture Stabilization Algorithm (PSA®)

Associated to laser detection, CTM developed picture stabilization through the perforation analysis. The sensor captures the whole frame including the perforations. An algorithm adjusts each frame position in real time.

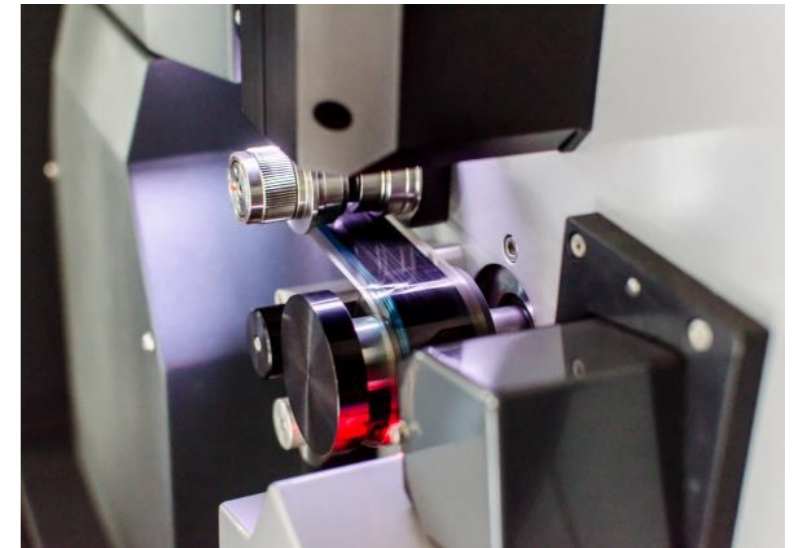
## High-power LED sphere

PERENITY diffused high-power RGB LED reduces the visibility of scratches. It provides uniform illumination. The cold-light source protects your film against heat damage.

## KOLIBRI® Color Correction station

KOLIBRI is a workstation & software 2 in 1. Equipped with its trackball panel support option for deported color command, it becomes a color grading station: faster and more efficient.

- Complete transport control of the scanner
- Primary and secondary color correction
- Management of output files
- Management of video & audio outputs
- Management of internal or external storage



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## Film types and formats

- Negative, intermediate, interpositive, print, color or B&W
- 8/S8 – 16/S16 – 35/S35 mm
- 9.5 – 17.5 – 28 mm (optional)

## Film transport

- Film capacity: 600 m (2,000 feet)
- Capstan drive system
- Continuous motion servo film drive for constant film tension
- Shrunken film handling up to 5,5%
- Adjustable film tension
- Rewind speed: 100 fps for 35 mm
- Cleaning by Particle Transfer Rollers - PTR (optional)

## Light source and Scanning system

- Integrating sphere for dirt and scratch reduction
- Cold RGB LED light source
- High resolution lenses
- Ratios: 4:3 – 16:9 – 1.85
- 2, 3, 4 perforations in 35mm
- Ultra low noise camera with Bayer pattern
- Self-adjusting motorized frame size

## Sound readers (options)

- Optical sound reader COMMOPT
- Magnetic sound reader COMMAG



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## Outputs and formats

- 5K (HDR mode – option), 4K and 2K
- DPX 10,12,16 bit
- QuickTime (ProRes 444, ProRes 422)
- H264
- WAV/BMF

## Workstation (included)

- Preconfigured with Microsoft Windows 10 - 64 bit
- 16/9 LCD monitor
- PCIe slots for high speed connectivity (10 Giga Ethernet - fiber channel)
- Raid 0 internal storage 12 TB (option)

## Dimensions

- Width: 104 cm
- Depth: 60 cm
- Height: 175 cm
- Net weight: 300 kg

## Electrical requirements

- Operating voltage: 100-120 V / 200-240 V
- Power consumption: 0.9 KVA
- Frequency: 50 Hz / 60 Hz / 1 phase

## Operating environment

- 15°C to 30°C
- 15% to 85% non condensing relative humidity

