



**SD HD**  
**2K 4K**

SD HD Telecine  
2K 4K Film Scanner

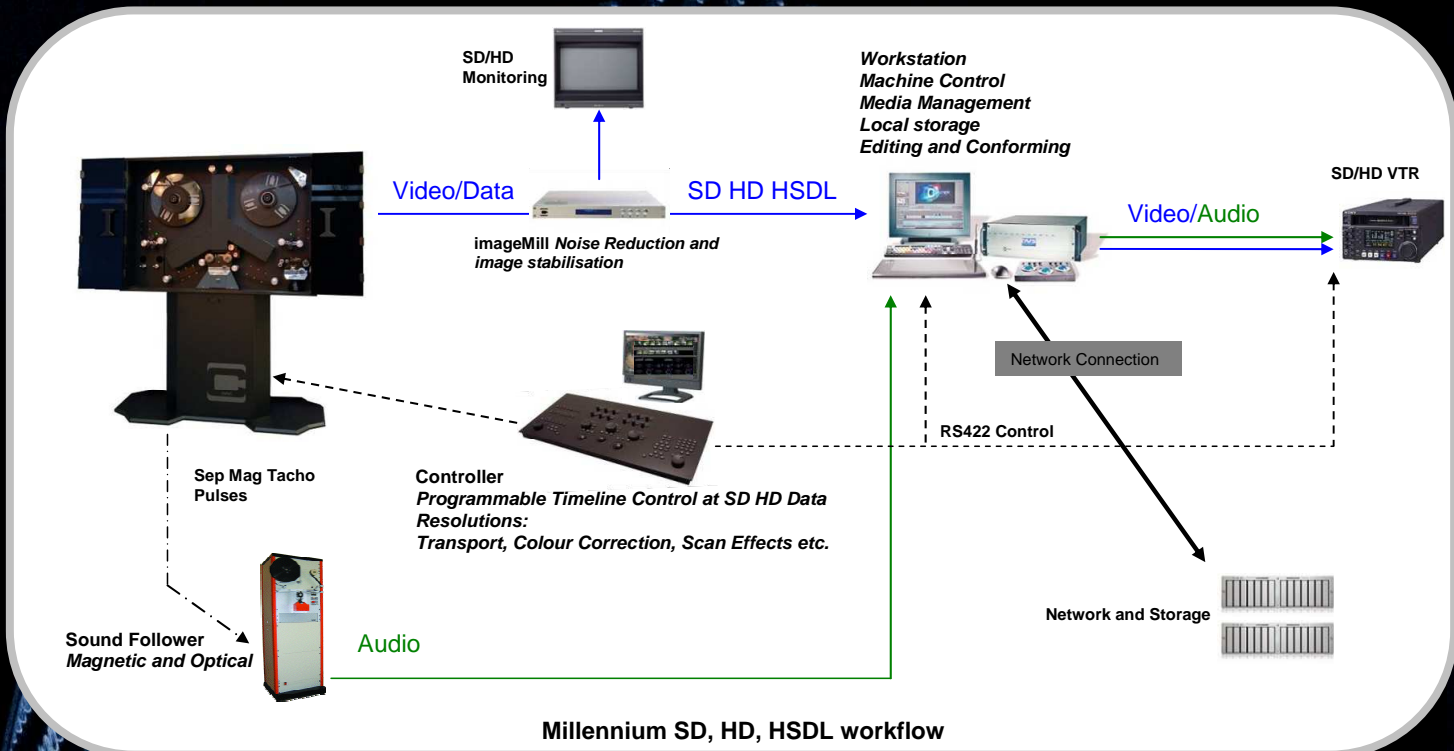
# MillenniumHD

MillenniumHD is the most feature-rich of any "data-cine" film scanner. Capable of real time Standard and High Definition transfers as well as very fast 2K and 4K Data transfer it uniquely supports every major film format.



- Real time SD and HD 4:2:2 and 4:4:4:4 Output
- 2K at 15fps, 4K at 5fps via HSDL
- 8mm/S8mm/MAX8mm
- 16mm/S16mm
- 35mm/S35mm
- 65/70mm
- S35mm Pin Registration
- ---x-speed--- Servo System for unequalled image stability
- 16-bit Primary and Secondary Colour Correction
- Full Resolution Pan, Zoom, Rotate, Scan FX
- GRACE Film Grain Management
- Remote Control via O C E A N, Pogle, da Vinci etc.
- Upgradeable to dataMill calibrated scanner





Millennium SD, HD, HSDL workflow

<b>General</b>	
<b>Dimensions</b>	width x height x depth
	Film Transport Cabinet 1400mm x 1750mm x 650mm
	Electronics Racks 2 off 19" (485mm) x 9U (400mm) x 520mm
	1 off 19" (485mm) x 3U (140mm) x 520mm (plus 120mm rear cable clearance)

<b>Weight</b>	Film Transport Cabinet 360kg
	Electronics Racks 85kg (total)
<b>Power</b>	Mains Supply 90V – 240V AC automatic switching
	Consumption 1.5kVA

**Film Transport System**

<b>Film Gates</b>	8mm/S8mm/MAX8mm – single gate*
	16mm/S16mm – single gate*
	35mm/S35mm – single gate*
	65mm/70mm - single gate*
	35mm/S35mm Pin Registration Upgrade to standard 35/S35mm gate*
<b>Film Capacity</b>	>2000ft. 15"-18" diameter
<b>Film Drive</b>	Continuous Motion ---x-speed--- Servo System with adjustable tension
<b>Film Type</b>	Negative, Intermediates, Print. Black And White and Colour
<b>Film Rate</b>	525/625 – 1 to 30fps, 48fps, 50fps, 60fps
	VISTA – up to 25fps for 1080i (50/59.94HD) only
	2K at 15fps, 4K at 5fps*

**Film Imaging System**

<b>Scanning</b>	High Resolution "Hi-White" CRT
<b>Detection</b>	4" Diameter PMT's
<b>Dynamic Range</b>	0.0 to >3.8 Density Range

**Image Functions**

<b>Image Control</b>	6:1 Zoom Range; X and Y Pans; 360° Rotate. Variable Aspect Ratio; fixed 4:2, 16:9, Anamorphic Liff, Gamma, Gain; Black and White Compression; YUV Aperture
<b>Colour Control</b>	6-vector Secondary Colour Correction, adjustable isolation and effect Output blanking for letterbox formats D-MIN Auto Calibrate/ 10bit LOG output*

<b>Video/ Data Formats</b>	Standard Definition 625/50, 525/60 High Definition (all major formats) Data 2K and 4K HSDL format* (Note: some limitations may apply)
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<b>Audio</b>	16mm/35mm Optical*, 16mm Magnetic*
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**GRACE** Spatial and Recursive Film Grain Correction\*

\*denotes option

For more product information or for an Agent near you, please contact:

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