viewing tables
hdcseries

Designed for film laboratories 2, 4, 6, 8 plate models

Full flexibility for 16mm or 35mm film
CTM DEBRIE sprockets
High sound quality
Special lamp system
Variable speed
Multi film formats
Multipurpose counter
High speed inspection kit

Higher reliability
Lower operating costs
Easy access for maintenance

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Design & development > tables

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full flexibility
for 16mm or 35mm film

Bidirectional table, equipped with a clutch and an electromagnetic brake that can be moved by hand. On the 16/35 tables, changing from 16mm to 35mm film does not require any tools since the 16mm and 35mm picture heads are side by side as well as separate magnetic soundtracks are 16mm, 17.5mm, and 35mm. The optical lenses are designed for a projection with academic ratio. Cinemascope, super 16mm, super 35mm, 1.66mm, and 1.85mm with magnified aspect ratio (options).

ctm debrie sprockets

Accurate film transport is achieved by means of a revolving sprocket ring that guarantees smooth and careful film transportation and excellent picture steadiness. A special archives sprocket wheel (for both picture and sound) can accommodate material that has shrunk up to 2%.

special lamp system

Convenient focus adjustment located just next to the optical head allows for the automatic dimming of the lamp system when the film is at rest to protect the film from heat damage. However, it is still possible to have full brightness while the film is in stationary mode, by changing and adjusting the picture lamp from the top.

high sound quality

High quality sound reproduction is possible by means of specially designed amplifiers of 20W output and two loudspeakers (40W each. A switch allows the operator to choose between automatic muting at high speeds (20dB less once the speed exceeds 30 fps),and no muting even at high speeds.

variable speed

Speed can be controlled by continuous variation backwards and forwards from 0 to 80 fps in 35mm and 0 to 200 fps in 16mm. Easy operation is rendered by a smooth handle for variable speed in both directions, as well as synchronous speed. Sync speed 24 or 25 fps, whether forward or in reverse, can be switched through a switch placed on the front panel of the table. Hand framing is possible at stand still.

multi-purpose counter

A multi-unit counter is delivered with the table and is fitted under the screen. It measures all film length (frame, time 24 & 25 fps, feet, meters) and is able to convert every count immediately into another.

high speed inspection kit

An independent motor and tension-sensitive rollers located by the feed and take ups for higher speed inspection, as well as constant and continuous film tension regardless of spool diameter. Equipped with three motors, one for the sprocket and one for each plate, thus removing the dust-creating friction that the plates' inertia usually creates. Sound track and perforation are revealed on the screen. The visual display of the complete optical sound track including digital Dolby SRD, allows easy fault detection and checking.

dimensions

Model	Length	Width without screen	Width with screen	Height without screen	Weight
HDC 16	1475	826	800	1176	140
HDC 35	1475	900	800	1250	140
HDC 1635	1675	1010	800	1360	230

Power: 100/110/120/220/240 VAC/50/60 Hz

technical specification

Fromat	35mm	16mm
Brightness	350 Lux	280 Lux
Sharpness	56 lines/mm in the screen	53 lines/mm in the screen
	80 lines/mm in the air	80 lines/mm in the air
Picture steadiness	< 0,5% in mm < 0,5% in mm	
Frequency response	COMOPT 80-10 000 Hz +/- 2dB	80-6 300 Hz +/- 2dB
	COMMAG 63-10 000 Hz +/- 2dB	
	SEPMAG 40-12 500 Hz +/- 2dB	63-10 000 Hz +/- 2dB
Signal to noise ratio	COMOPT 58 dB 57 dB	
	SEPMAG 58 dB 58 dB	
	COMMAG 53 dB	
Wow and flutter SEPMAG weight	< 0,3% < 0,3%	

range

Model	Designation
HDC 162M	16 mm plate editor no sound
HDC 162S	16mm 2 plate editor (1 p, 1 COMOPT)
HDC 164	16mm 4 plate editor (1 p, 1 COMOPT, 1 SEPMAG)
HDC 166	16mm 6 plate editor (1 p, 1 COMOPT, 2 SEPMAG)
HDC 168	16mm 8 plate editor (1 p, 1 COMOPT, 3 SEPMAG)
HDC 352M	35 mm 2 plate editor no sound
HDC 352S	35mm 2 plate editor (1 p, 1 COMOPT)
HDC 354	35mm 4 plate editor (1 p, 1 COMOPT, 1 SEPMAG)
HDC 356	35mm 6 plate editor (1 p, 1 COMOPT, 2 SEPMAG)
HDC 358	35mm 8 plate editor (1 p, 1 COMOPT, 3 SEPMAG)
HDC 1635/02	2 plate combination (1p 16,1p 35, 1comopt 16, 1comopt 35)
HDC 1635/04	4 plate combination (1p 16,1p 35, 1comopt 16, 1comopt 35, 1 sepmag 16/35)
HDC 1635/06	6 plate combination (1p 16,1p 35, 1comopt 16, 1comopt 35, 2 sepmag 16/35)
HDC 1635/08	8 plate combination (1p 16,1p 35, 1comopt 16, 1comopt 35, 3 sepmag 16/35)
HDC 352C	35mm 2 plate editor, 3 motors, complete sound track