



## comparison tables dualseries

### Specially designed for Archives

#### features

- Double multi-formats screen
- Full flexibility for 16mm or 35mm film
- CTM Debie sprocket
- High sound quality
- Special lamp system
- Variable speed
- Multipurpose counter

#### advantages

- Higher reliability
- Lower operating costs
- Easy access for maintenance

# comparison tables

## dualseries

### double multi formats screen

Tables in the DUAL series are equipped with a double screen that permits the operator to simultaneously view two films. The optical lenses are designed for the projection of 16mm or 35mm films with academic ratio. Upon request, it is possible to view a cinemascope, super 16mm, super 35mm, 1.66mm, and 1.85mm with magnified aspect ratio.

### full flexibility

#### for 16mm or 35mm film

Film can be made to run horizontally in either direction on one of a series of tracks, each of which is 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.

### ctm debrie sprocket

Accurate film transport is achieved by means of a revolving sprocket ring that guarantees smooth and careful film transportation and excellent picture steadiness. For film archives, a special 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). Well-arranged round potentiometers for each sound channel, as well as for general volume, bass, and treble, all give the machine the capacity to individually match each sound that it needs to reproduce. A recessed panel renders the amplifier controls protected. A system of swivel sound rollers with adjustable dampers and dry-wheel and a headphone socket, DIN all allow for optimal sound quality. 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.

### dimensions

Model	Length	Width without screen	Width with screen	Height without screen	Weight
DUAL 16	1675	1000	800	1350	240
DUAL 35	1675	1000	800	1350	260
DUAL 1635	1675	1016	800	1366	270

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



### technical specification

<b>Format</b>	35mm	16mm
<b>Brightness</b>	350 Lux	280 Lux
<b>Sharpness</b>	56 lines/mm in the screen	53 lines/mm in the screen
	80 lines/mm in the air	80 lines/mm in the air
<b>Picture steadiness</b>	< 0,5% in mm	< 0,5% in mm
<b>Frequency response</b>	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
<b>Signal to noise ratio</b>	COMOPT 58 dB	57 dB
	SEPMAG 58 dB	58 dB
	COMMAG 53 dB	
<b>Wow and flutter SEPMAG weight</b>	< 0,3%	< 0,3%

### range

Model	Designation
DUAL 1620M	16mm 4 plates editor (2p, no sound)
DUAL 1620S	16mm 4 plates editor (2p, 2 COMOPT)
DUAL 1621S	16mm 6 plates editor (2p, 2 COMPOT, 1 SEPMAG )
DUAL 3520	35 mm 4 plates editor (2p, 2 COMOPT)
DUAL 3521	35mm 6 plate editor (2p, 2 COMPOT, 1 SEPMAG )
DUAL 3522	35mm 8 plate editor (2p, 2 COMOPT, 2 SEPMAG)
DUAL 3523	35mm 8 plate editor (2p, 2 COMOPT, 3 SEPMAG)
DUAL 163520	4 plates editor (1p 16mm, 1 comopt 16 & 1p 35mm, 1 comopt 35 simultaneously)