INTRODUCTION TO THE *01-series* 16/35mm

ST 6001

ST6001 - 6 plate

- Strong, rigid steel chassis, scratch resistant paint. Transport castors.
- Solvent resistant table top. Well arranged controls.
- All metal parts corrosion protected. Self lubricating bearings.
- Easy access for maintenance.
- Electronic drive system, crystal controlled.
- Motor controlled sound shift system for 2 audio tracks in respect to the picture.
  Digital display of shifted frames for each sound track.
- All tracks individually disengageable.
- Adjustable film tension.
- Very easy changing of film format 16mm to 35mm and vice versa.
- Picture track, speed, projection light and sound equalization are activated by push-button.
- All heads, sprockets and rollers for sound tracks are standard equipment.
- Operating voltage selectable from 100 – 240 Volts / 50/60 Hz.
- Power consumption: 1000 W.

Configuration

- Track 1: 16mm, standard picture with COMOPT mono sound. (COMMAG optional) 35mm, standard picture with COMOPT mono sound. (Cinemascope picture, optional)
- Track 2: 16/17,5/35mm SEPMAG, 1-channel/centre track. SEPOPT for 16 or 35mm (optional).
- Track 3: 16/17,5/35mm SEPMAG, 1-channel/centre track. SEPOPT for 16 or 35mm (optional).
- Friendly film handling.
- Maximum capacity of 650 meter / 2000 feet of Acetate film/PE sound film on bobbins.
- 16mm picture: standard 16mm (Super 16, optional)
- 35mm picture: two selectable image systems by user: academy (standard), cinemascope (optional).
  Other formats like S35 or Widescreen on request.
- Ground glass back-illuminated.
- Multipurpose processor counter display, monitoring all stages of counting: time – length (meters / feet) - frames and converts every count into another.

Picture System:

- Optical compensation with 18 face revolving prism.
- Very brilliant, bright (260 lux 16mm, 170 lux 35mm) and sharp (>80 lines/mm picture).
- Film protecting transport.
- Excellent picture steadiness (< 1% 16mm, <0,5% 35mm).
- Framing at standstill and during operation.
- Lamp 12 Volts / 100 Watt / high quality projection screen.
- Lamp is automatically dimmed in standstill to protect the film from heat.
- Lamp is easily accessible and can be adjusted from the (top) working plate in three ways to get the maximum light quality.
- Projection system with highly polished surface mirrors.
- Special condenser system with heat absorbing filter.
- Projection areas: standard 212 x 298mm
  Other formats: S16/S35, Cinemascope, 1:1,85, Super35 etc. all optional up to 212 x 500mm.
- Large projection housing with flexible masks and universal counter.
- (video) camera adaptor system (optional).

Drive System

- Well proven one motor drive system with belt driven frictions with adjustable film tension.
- Adjustable time for acceleration and deceleration for maximum safe film handling.
- Sync speeds 24/25 f.p.s. (frames per second)
- Variable wind speed: 35mm from 0 to 100 f.p.s. / 16mm from 0 to 200 f.p.s.
- Changing 16/35mm sprocket and sprocket ring for shrunken material is possible (optional).
- Variable speed control from 0 – 100 f.p.s. 35mm / 0-200 f.p.s. 16mm, including display for an exact read-out film speed. (optional)

Audio System:

- Two way high quality loudspeakers, nominal 2 x 30 Watt.
- Balanced XLR mono +4Db output (optional).
- Faders for each sound channel.
- Master amplifier for volume, treble and bass
- Headphone socket. (1/4" jack)
- Automatic muting at high speed.
- White (standard) and red light (optional) COMOPT, changeable by user.

16 mm audio

- Frequency response: COMOPT 160 – 4.000 Hz ± 3Db
  COMMAG 40 – 10.000 Hz ± 2Db
  SEPMAG 40 – 10.000 Hz ± 2Db
- Signal-to–noise ratio: COMOPT 58Db
  COMMAG 48Db
  SEPMAG 48Db
- Wow and Flutter, COMMAG/SEPMAG linear < 0,5 %

35 mm audio

- Frequency response 35mm:
  COMOPT 40 – 8.000 Hz ± 2Db
  SEPMAG 40 – 12.500 Hz ± 2Db
- Signal-to-noise ratio: COMOPT 58Db
  SEPMAG 48Db
- Wow and Flutter, COMOPT/SEPMAG linear <0,4%.

Options

ST57	Table working lamp with dimmer	N
ST59	Foot switch with control board	F
ST62	COMOPT 35mm red light / Cyan optical sound reader	N
ST66	SEPOPT 16mm (optical sound head), with pre-amp	F
ST68	SEPOPT 35mm (optical sound head), with pre-amp	F
ST92	Cinemascope	F
ST99/35/1	Service kit for shrunken 35mm film 1,0% - 1,5%	N
ST99/35/2	Service kit for shrunken 35mm film 1,5% - 2,5%	N
ST99/16	Service kit for shrunken 16mm film 0,75% - 1,5%	N
ST172/1	(video) camera adaptor system for digitizing (standard) 16/35mm image, with special optics, without camera*	F
ST172/2	(video) camera adaptor for digitizing (standard) 16/35mm, Cinemascope / S16 including C-lens, with special optics, without camera*	F
ST168	(video) camera condenser 35mm with integrated mirror lamp for ST172/1-2	N
ST169	(video) camera condenser 16mm for ST172/1-2	N
ST175	Super16	N
ST192	Extension board (left)	N
ST193	Extension board (right)	N
ST200	Variable speed control, including display	F
ST741/1	Stereo sound SEPMAG for ST6001	F
ST2290	Balanced audio output 2-channels (mono)	F
Z50	Time elapsed counter	F
Other options and customer specifications: on request.		

N = extendable by user or service engineer, F = factory installation only, * = only with camera, advised/installed by Steenbeck
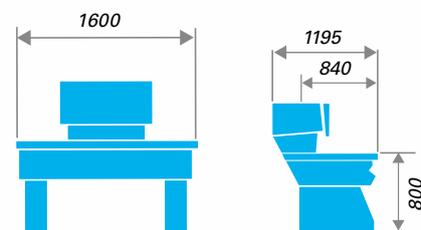
Weight: 245 kg. Measurement in mm.

More than 60 years of film table precision