

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



ST 1601

ST1601 - 4 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.
- Adjustable film tension.
- Operating voltage selectable from 100 – 240 Volts / 50/60 Hz.
- Power consumption: 800 W.



Configuration

- Track 1: standard picture 4 plates COMOPT 16mm sound (mono) (COMMAG: optional)
- Track 2: magnetic sound SEPMAG, centre track (mono)
All tracks individually disengageable.
Automatic lock of disengaged tracks against offset motion.
- Friendly film handling.
- Maximum capacity of 650 meter / 2000 feet of Acetate film / PE sound film on bobbins.

- 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) and sharp (>80 lines/mm picture).
- Excellent picture steadiness (<1,0%).
- Framing at standstill and during operation.
- Lamp 12 Volts / 100 Watt / high quality very bright 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.
- Projection areas: standard 212 x 288mm. (optional Super16 212 x 360mm).
- 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 from 0 to 200 f.p.s.
- Changing 16mm sprocket and sprocket ring for



shrunk material is possible (optional).

- Variable speed control from 0 – 200 f.p.s. 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.
- Frequency response: COMOPT 160 – 8.000 Hz within ± 2 Db.
Optional: COMMAG 40 – 10.000 Hz within ± 2 Db.
SEPMAG 40 – 10.000 Hz within ± 2 Db.
- Signal-to-noise ratio: COMOPT 58 Db. / COMMAG 48 Db.
- Wow and Flutter, linear <0,3%.



ST200



ST170/177

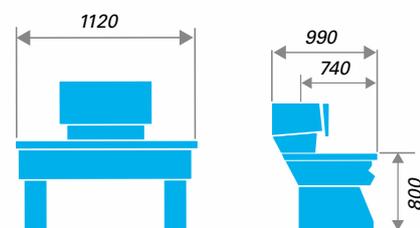


Options

ST57	Table working lamp with dimmer	N
ST59	Foot switch with control board	F
ST62	COMOPT 16mm red light / Cyan optical sound reader	N
ST66	SEPOPT 16mm (optical sound head), with pre-amp	F
ST66/3	COMMAG 16mm sound module, with pre-amp	F
ST99/16	Service kit for shrunken 16mm film 0,75-1,5%	N
ST170	(video) camera adaptor system for digitizing 16mm with special optics, without camera*	F
ST177	(video) camera adaptor system for digitizing 16 and S16mm with special optics, w/o camera*	F
ST175	Super 16	N
ST169	(video) camera condenser 16mm for ST170	N
ST191	Extension board (right)	N
ST192	Extension board (left)	N
ST200	Variable speed control, including display.	F
ST740	Stereo sound SEPMAG	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: 50 kg. Measurement in mm.

More than 60 years of film table precision



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