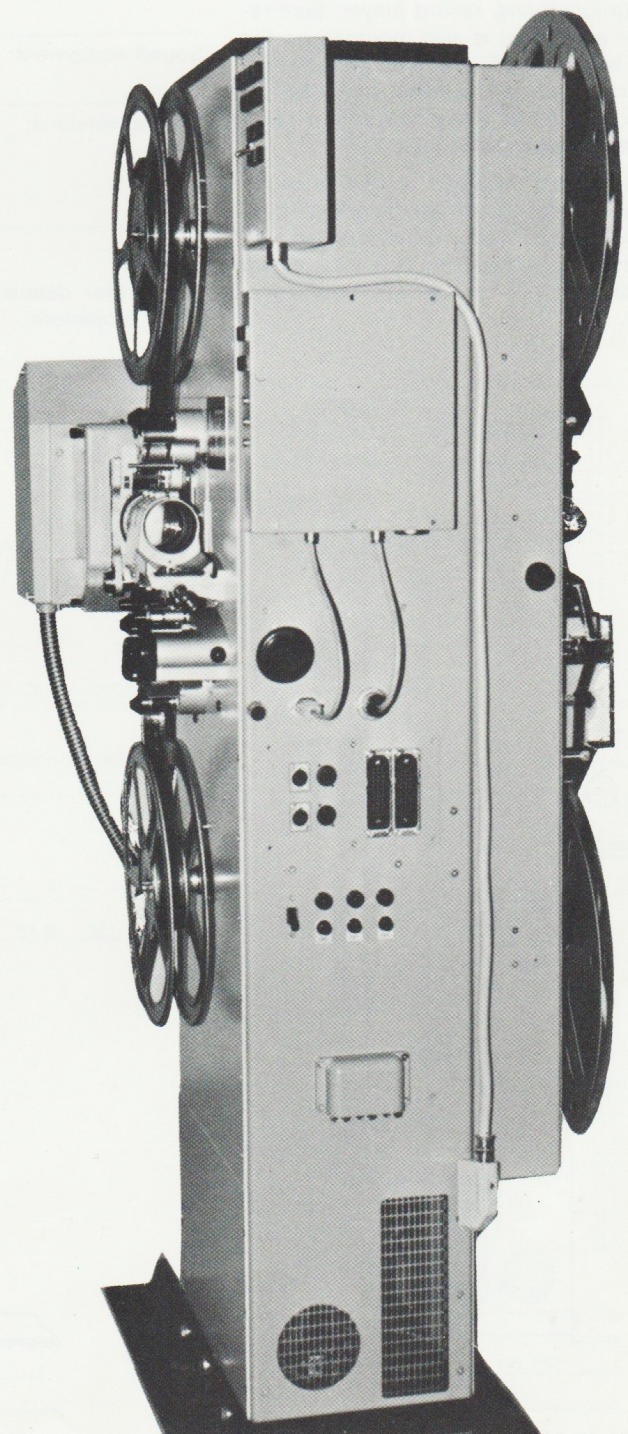




### Dual-purpose projector FP 38

The FP 38 is a dual-purpose projector for 35 mm and 16 mm films which satisfies the most stringent demands as regards the reproduction of picture and sound, thus being a good match for the famous FP 30 projector. The FP 38 projector may actually be considered as a combination of the established projectors FP 30 for 35 mm films and FP 18 for 16 mm films. It is suitable for use in cinema theatres, in studio and in multi-purpose auditoriums.

- universally suitable for all 35 mm and 16 mm films
- built-in amplifying equipment
- completely wired – most easily to be installed
- simple maintenance – simplicity of operation
- long life
- modest space requirements
- possibility of automation of all functions
- professional construction





The 16 mm part is built into the hinged door and is identical to that of the projector FP 18. Similar to the lay-out of the 35 mm part, the film transport mechanism and frictions are mounted on easily interchangeable panels.

The preamplifier equipment for 35 mm and 16 mm optically and magnetically recorded sound and also for non-synchronized inputs (microphone, record player, tape recorder and gong) is also mounted on the door, below the 16 mm film transport mechanism, and can likewise easily be replaced. The 50 W power amplifier is accommodated inside the cabinet.

The two film transport mechanisms for 35 mm and for 16 mm can be operated independently from each other; it is also possible to change-over from 16 mm to 35 mm projection or vice versa or to a second projector.

Mains connection:	110–250 V, 50/60 Hz
Film speed:	24 or 25 frames per second
Driving motors:	asynchronous or synchronous motors; on request interlock or special d. c. motors
Lens holder or turret for 35 mm:	on request motor-driven turret with automatic changing of the aperture plate; remote control of focusing and framing
Spool shafts and frictions:	35 mm spools for 2000 ft (600 m), 6000 ft (1800 m) or 10 000 ft (3200 m) of film; 16 mm spools for 5000 ft (1500 m) of film
Light sources:	two turrets for halogen lamps (400 W, 36 V for the 35 mm part, and 250 W, 24 V for the 16 mm part): two 500 W xenon lamps; two flangeable 700/1600 W xenon lamp houses; bracket-type 700/1600 W xenon lamp house with swivel-mirror for deflecting the light beam
Sound equipment:	pre-amplifier; 50 W power amplifier; rectifier for exciter lamp
Special versions:	with additional perfotape equipment; for forward and reverse transport and high-speed transport of 35 mm film for special studio and television applications

Technical drawing of a vertical assembly, showing two views: a side elevation (left) and a front view (right).

**Side Elevation (Left View):**

- Overall width: 805 mm (31.72 inches)
- Top section width: 245 mm (9.65 inches)
- Top section height: 110 mm (4.33 inches)
- Top section offset: 49 mm (1.93 inches)
- Top section diameter:  $\phi 570$  (22.44 inches)
- Top section length: 1500 mm (5000 ft)
- Base width: 380 mm (15 inches)
- Base height: 500 mm (19.7 inches)
- Base offset: 400 mm (15.8 inches)

**Front View (Right View):**

- Overall width: 1115 mm (43.13 inches)
- Top section width: 450 mm (17.4 inches)
- Top section height: 1800 mm (70.9 inches)
- Top section offset: 790 mm (31.12 inches)
- Top section diameter:  $\phi 570$  (22.44 inches)
- Top section length: 1500 mm (5000 ft)
- Base width: 670 mm (26.4 inches)
- Base height: 750 mm (29.6 inches)
- Base offset: 400 mm (15.8 inches)
- Base diameter:  $\phi 570$  (22.44 inches)
- Base length: 1500 mm (5000 ft)