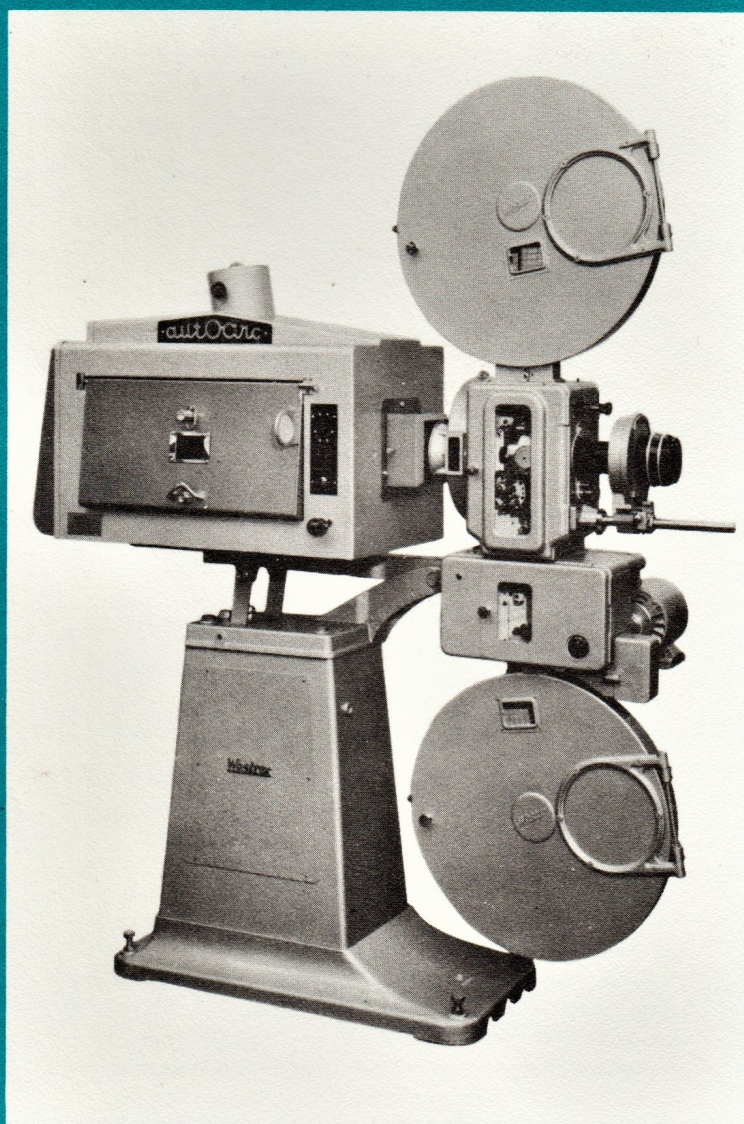




Westrex

A DIVISION OF LITTON INDUSTRIES

Westrex *Westar Thirty Five*



The British-made 2001 is the latest in a famous line of Westar 35mm Projectors which were first introduced by Westrex more than 20 years ago. Because these machines were so reliable, robust and uncomplicated with their steadiness of picture presentation obtainable, and simplicity of service — that some thousands have been installed over the years in projection rooms throughout the United Kingdom and abroad. In every respect the Westar is already renowned for its fundamental soundness of design, manufacture and operation.

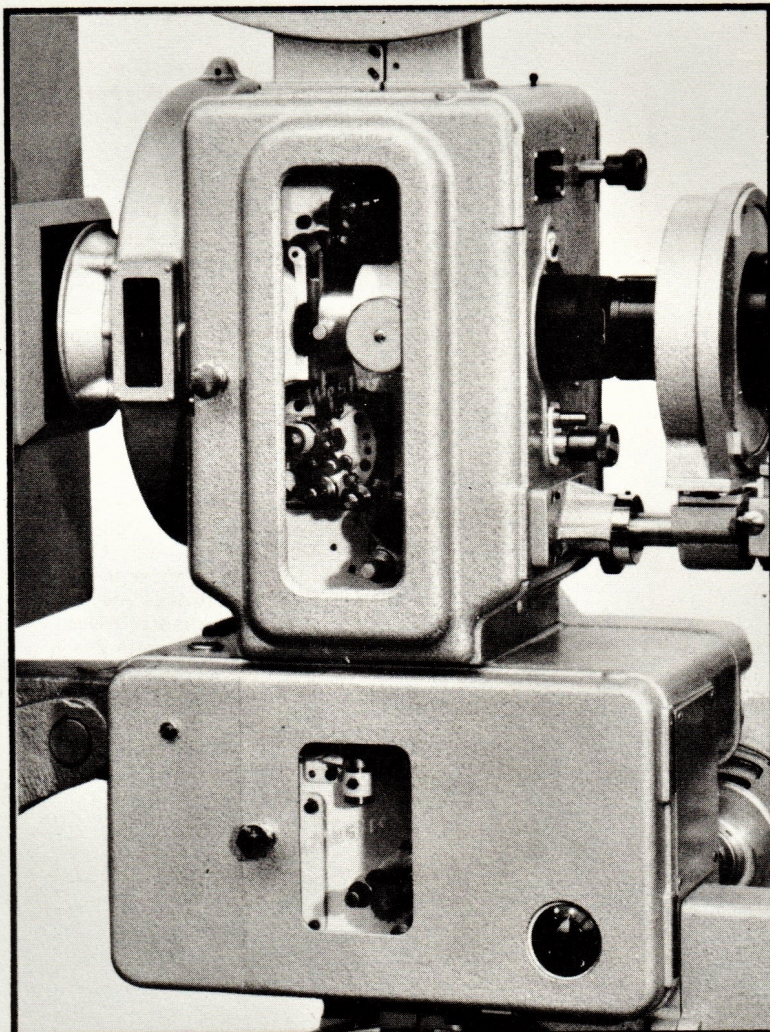
The modern version of the 2001 Type Westar has been developed to include all the major attributes of its predecessors. The immediate accessibility of all working parts allows modifications or adaptations to be made on site, thus eliminating any necessity to return the projector to the factory. This is especially appreciated by overseas users. The main drive shaft, vertical shaft and shutter shaft are all removable as complete units. All shaft assemblies are interchangeable with minimum loss of time. The gate is easily removable for cleaning and inspection.

The intermittent oil cup and gauge are on the operating side of the mechanism and there are only three points to lubricate. The grease-sealed ball bearings are factory filled and require no additional lubrication.

The high quality of Westrex theatre equipment, together with the unrivalled backing of the Westrex service organisation, means that exhibitors and theatre managers can be assured of 100% operational success.

Cinema Division

WESTAR 2001 PROJECTOR



APERTURE PLATES

The 77498 aperture plate is provided for all purposes (i.e. standard, wide-screen and Cinemascope). This plate is of thin brass and a start hole, 0.650 ins. x 0.300 ins. (16.5 mm x 7.6 mm), is provided which can be opened up to any desired ratio within the limits of the scribed lines indicating maximum dimensions.

WATER COOLING

The "G" type projector is fitted with water-cooling cell in place of the normal heat shield at the rear of the picture gate. A flow of 0.8 to 1.2 pints (0.5 to 0.7 litres) per minute is required for correct operation. The supply can be obtained from the mains or from a closed-circuit system. When the mains supply contains heavy lime deposits or other impurities, Westrex strongly recommend the use of a closed-circuit system with distilled water.

OPTICAL SPEED

The projector gate system is designed for use with an arc lamp to obtain an optical speed equivalent to f.i. 9.

DRIVE ADAPTATION

Drive adaptation parts can be provided for many types of sound reproducer. Details are available for specific applications on request.

DIMENSIONS

Overall height	16½ ins.	(42 cms.)
Back to front	15 1/8 ins.	(38.4 cms.)
Side to side	14 11/16 ins.	(37.3 cms.)
Weight	85 lbs.	(38.5 kgs.)
Base to optical centre	8 9/16 ins.	(21.749 cms.)

TYPES

Single shutter	2001-E
Single shutter — water-cooled gate	2001-G

ANAMORPH MOUNTING

A swing-away bracket is provided which will accept most types of cylindrical or prismatic anamorphs of British, Continental or American origin.

Bracket assemblies (35050-A) with Anamorph Adapter, Cylindrical (LS 09749) or Anamorph Adapter, Prismatic (92077) or Anamorph Adapter, Delrama (82588).

GEARS & BEARINGS

Gears are made from high-grade, low-temperature hardening, tool steel and "Tufnol" laminated, synthetic resinoid material. The vertical and horizontal shafts run in ball races. They are grease-packed and

require no additional lubrication. Sprocket shafts are run in oil-impregnated bearings and require an occasional drop of oil.

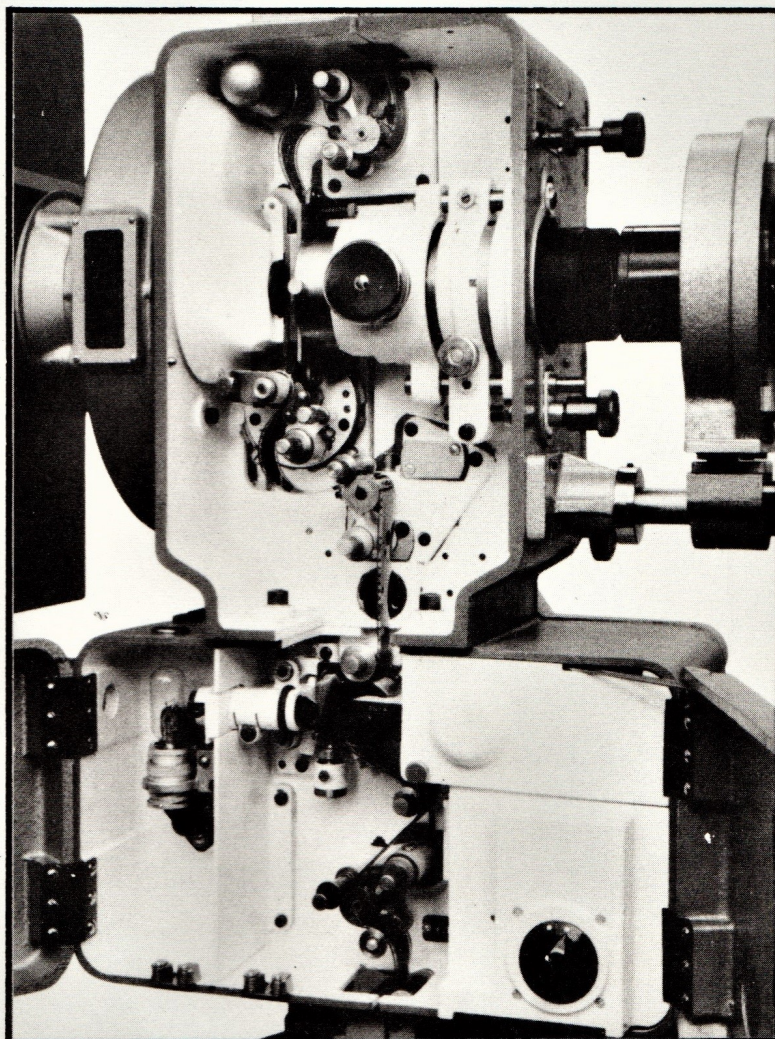
INTERMITTENT ASSEMBLY

The design of this unit is conventional, employing a maltese cross cam and pin. The assembly can be rapidly removed for inspection or service by loosening four screws. Replacement is equally simple. The casing is of robust, close-grain cast iron, fitted with oil-impregnated and low-friction cast iron alloy bearings. The cam and striking pin are of dissimilar steel, to minimise wear. The assembly runs in a sealed oil bath and an inspection window is provided to show the oil level. A simple adjusting device is incorporated to vary the cam-striking pin meshing.

SPROCKETS

Each sprocket has 16 teeth and they are suitable for standard and small perforations. Feed and holdback sprockets can be replaced with the machine in situ, and the intermittent assembly is removed from the frame for this purpose. In order to ensure an accurate fit of the intermittent sprocket, an indentation on each sprocket is shown by one, two or

WESTREX 2003 REPRODUCER



three dots. When ordering replacements, the number of dots on the fitted sprockets should be stated.

CONTROLS

Focus, framing and shutter phasing controls are arranged in convenient positions on the main frame, and remote focusing and framing can be provided if required.

LENS ACCOMMODATION

Projection lenses of British, Continental and American origin can be accommodated, having fitting diameters of 2.062 ins. (52.5 mm.) 2.461 ins. (62.5 mm.) or 2.781 ins. (70.7 mm.) by using appropriate sleeves. It is not possible to list the many combinations of sleeves and pre-focus stop-rings, due to the variations in primary focal lengths of lenses of different manufacturers. The type and focal lengths of lenses to be used should be stated when ordering projectors.

CHANGE-OVER DEVICES

All models can be fitted with "Thide", "Zippa" or "Easifit" change-over controls.

ANCILLARY

The following ancillary equipment can also be supplied, if required: 2003-C Comopt Photographic Sound Reproducer; 2004 Commag Reproducer for Single and 4-Track Cinemascope Reproduction; Double Film Attachment for Sepmag Operation; Pedestals; Magazines; Spools; Rewinders; Splicers; Lenses etc. (See separate data sheets).

FORWARD & REVERSE RUNNING

To meet the current trend of studio and preview practice, the basic 2001-E or 2001-G Projectors can be modified to provide for independent or in-lock forward and reverse drive which, when fitted with a torque motor-driven upper magazine, and torque motor-driven double film lower magazine, enables the film producer to edit or carry out his recording programme in the minimum time, without the need of removing the film from the machine.

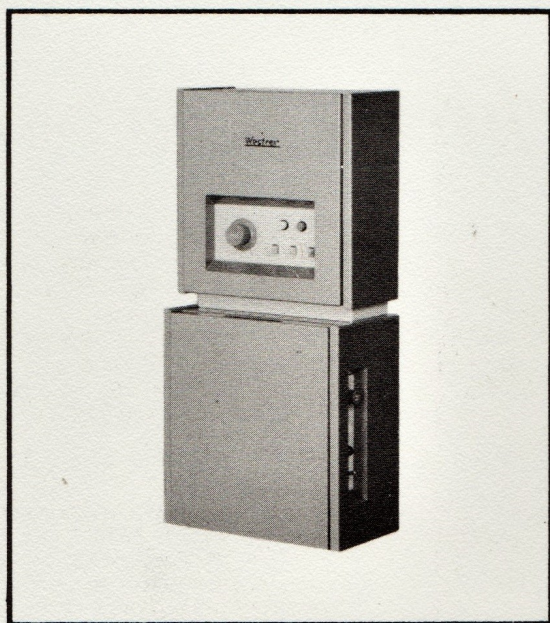
2003-C 35 mm PHOTO-TRACK SOUND REPRODUCER

The Westrex Photo-Track Sound Reproducer 2003-C (shown as part of the projection equipment in the illustrations on these pages) features a film transport which employs a tight-loop system with an award-winning flutter-suppressor. The drive consists of a flexibly-mounted motor, fitted with a double "V" pulley. Two matched "V" belts transmit the drive to the main shaft of the reproducer. A range of drive motors is available to cater for most power supplies. Two exciter lamp brackets are provided so that both can be adjusted for correct focus, and immediate replacement can be effected, should a lamp fail.

The film filtering mechanism consists of a solid fly-wheel, mounted on a scanner shaft, which supplies the inertia element, and a flutter suppressor which operates against the film to smooth out irregularities in tension which would otherwise produce "flutter" and "wow".

The total integrated "flutter", from 2 to 200 o/s does not exceed $\pm 0.09\%$, while no disturbance between 2 o/s and 200 o/s is greater than $\pm 0.05\%$.

5009 A & B Single Channel Photo/Mag. Wall Mounting Amplifier Set

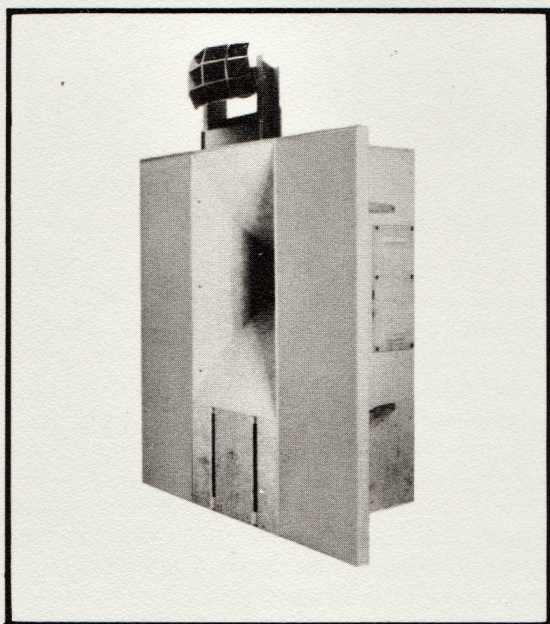


The 5009 type wall mounting solid state amplifier and control system employs silicon transistors throughout. This set is designed to achieve a low distortion figure with high stability against temperature and load changes. Provision is made for remote Fader operation.

- The 5009A type system caters for photo track reproduction from 2 projectors.
- The 5009B system caters for single track photo and magnetic track reproduction from 2 projectors.

For full technical specification refer to Data Sheet DS/T 107.

5010A Back Stage Auditorium Loudspeaker



A high quality Duplex stage loudspeaker system comprising separate high efficiency units for bass and treble reproduction. The high frequency unit is designed to provide even distribution of sound over the whole auditorium. The low frequency assembly consists of two 15" direct radiators mounted in a matching baffle. The half section network provides for cross-over at the optimum frequency

Also available 5010B as above but supplied without the woodwork.

For full technical specification refer to Data Sheet DS/T109.



A DIVISION OF LITTON INDUSTRIES

WESTREX COMPANY LTD

152 Coles Green Road, London N.W.2 Telephone 01-452 5401

DESIGNED AND PRODUCED BY MAJOR PUBLIC RELATIONS LTD.