



Vidicon Telecine Equipment Type BD 884

PRIMARILY intended for closed-circuit use, and based on the Vidicon Camera Channel Type BD 871, this equipment combines excellent picture quality with simplicity of design, ease of operation and low capital cost. It is an ideal system for the previewing of television advertising films and is also well suited to a variety of other closed-circuit applications involving the transmission of film or slides.

Features

High-quality performance with operational simplicity.

Up to four projectors in any desired combination.

Rapid change-over between projectors.

Camera may also be used for live studio work.

Projectors may be used for normal projection without displacement.

Complete range of accessories for integrated installations.

EQUIPMENT

The special feature of this equipment is the facility for rapid alignment of the camera to receive pictures from any one of up to four sources. A field lens in front of the camera, on to which the appropriate projected image is focused, eliminates the need for re-adjustment of the camera optical system when re-alignment is made. The field lens

and camera are together mounted on a turntable which rotates on a precise roller indexing mechanism to ensure accurate orientation of the camera in the required direction, four positions in quadrature being provided.

The turntable assembly is supported by a pedestal, comprising a tubular pillar and base casting.

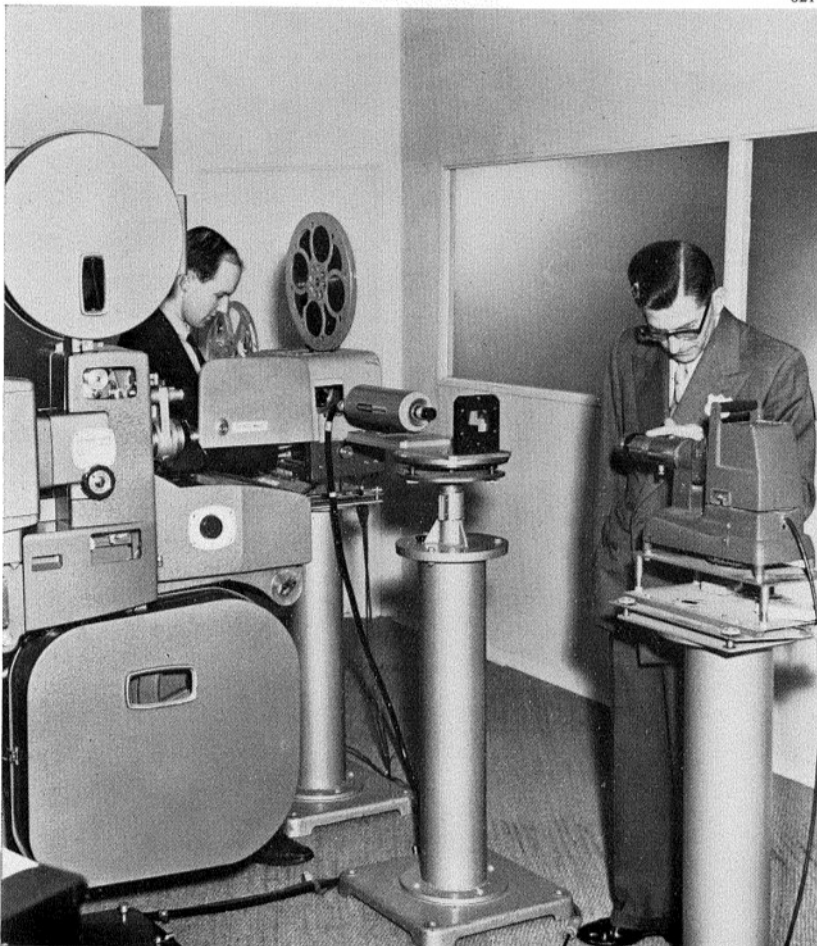
Any desired combination of 35 mm, 16 mm or slide projectors may be used. These are placed at the appropriate distance from the camera pedestal and directed towards it so that by rotating the turntable the camera can receive pictures from the desired projector. The normal projection lens of each projector must be replaced by a special lens and extension assembly to produce the correct size of image at the field lens and these are provided as part of the system. For best results, projectors should also be equipped with synchronous drive motors and two-bladed shutters. It should be noted that certain types of projector cannot easily be modified in this way and advice should be sought before a choice is made.

Live 16 mm and slide projectors are normally mounted on similar pedestals to the camera, adjustment for height and level being provided by an adaptor plate assembly between the projector and the pedestal. This assembly may also be rotatable, if required, to permit use of the projectors for normal direct projection. Alternatively, where it is impracticable to rotate the projector, as is the case with a 35 mm machine, orientation of the camera at right angles to the projector axis provides an uninterrupted projection path between the camera and the field lens.

For a completely integrated installation a full range of accessories for this system is available including a sound and vision modulator for distribution of signals at a pre-set Band I frequency to any desired number of standard broadcast receivers, a portable waveform monitor, a mobile trolley to carry a picture monitor, waveform monitor and camera control unit, switching equipment, sound equipment and so on.

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