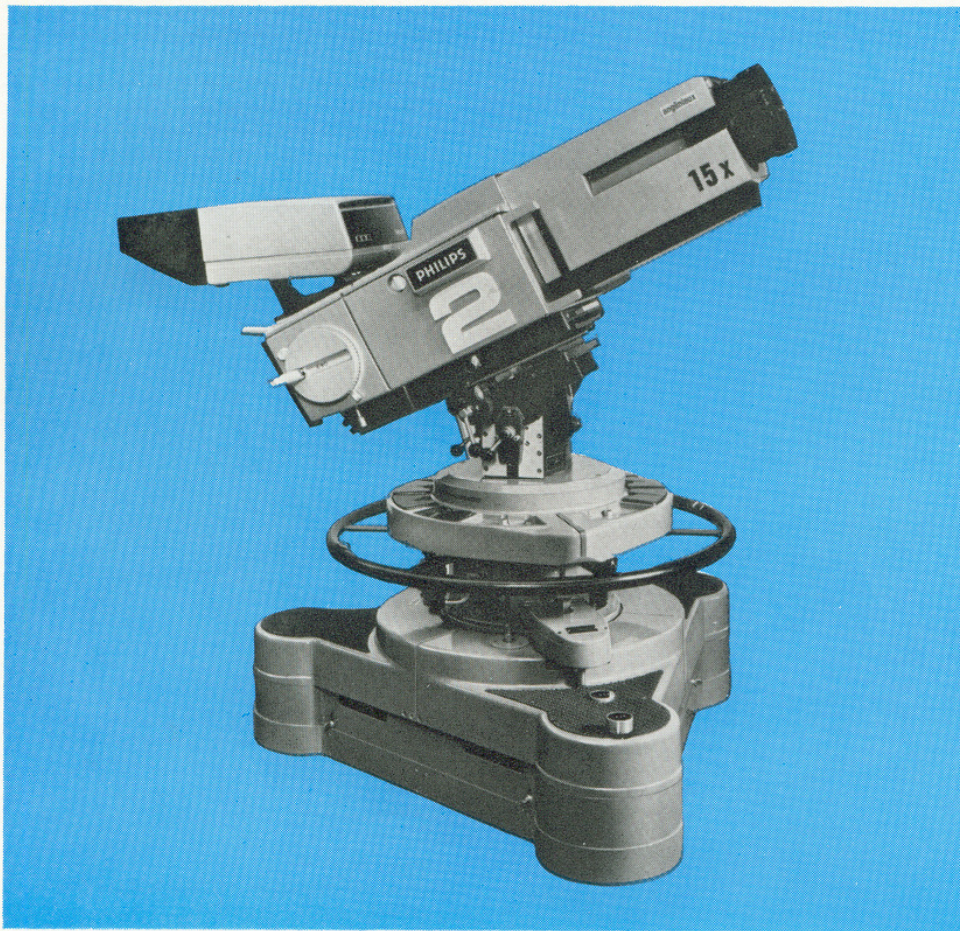


Camera Supports and Accessories



Vinten

Pedestals

Tripods

Skids

Cranes

Studio

Outside Broadcast

The Vinten range of camera pedestals, tripods, skids and cranes has been developed over a long period of years with a specific orientation into the television studio and outside broadcast fields. The design is such as to give the maximum rigidity combined with operational ease and flexibility.

The range has been designed for television cameras and all have a wide field of application being suitable for national broadcast studios and educational close circuit television. They represent the latest thinking in camera support design with new sleek lines and low weight factor. These products have formed part of Pye TVT Ltd's system range over many years and give reliable service in their various applications throughout the world.

PNEUMATIC PEDESTAL Type 702

Most drama and other productions make extensive use of low-angle camera work; but modern low-lens cameras can be at a disadvantage unless the pedestal has low-angle capability. In addition, low-angle work quite often precludes the use of high-angle in the same sequence due to the height limitations of the mounting.

The trend towards lighter, more compact colour cameras provided the impetus for a more versatile pedestal design. The aim: improved height range, simplified operation and minimum maintenance. This has been achieved with an important addition to the Vinten range, the Fulmar pneumatic pedestal which is shown in the photograph. The camera is a Philips LDK5 system.

The Fulmar provides an exceptionally low operating height, allowing the latest colour cameras to be used to best effect. From the lowest-ever 21 inches it extends to a full 58½ inches. (About six inches lower than comparable models, and still a few inches higher.)

Ordering information: 8213 268 81205



PYE TVT

O.B. PEDESTALS
Types 729, 730, 744, 746

The Vinten OB Pedestal is a combination unit providing a choice of two skids and two centre sections for TV camera operation. The folding skid and compactly designed centre sections are ideal for location work – easily transportable and quickly set up for use on site. The centre section can be either a pneumatic pedestal or a geared elevation unit, both of which combine with the skid in one easy push-lock motion. The complete pedestal, with pan and tilt head fitted, will accept modern lightweight colour broadcasting cameras.

Ordering information :
 729 : 8213 268 81020
 730 : 8213 268 81021
 744 : 8213 268 81022
 746 : 8213 268 81023

CAMERA CRANE MARK III
Type Heron

The Vinten Heron set the standards for fully powered crab cranes when it was first introduced and has maintained its leading position over the years. It is firmly established in television studios throughout the world and praised for its silent operation, manoeuvrability and compact dimensions.

Operated by a two-man crew, the Heron gives the cameraman complete flexibility and control of his movements 'on shot'. Powered elevation and turntable panning are pedal-operated, allowing maximum concentration on camera work. The tracker may steer the crane in a two-wheel or four-wheel (crab) mode. Steering is light, with a 10:1 ratio.

The Heron operates by stored hydraulic pressure which is generated automatically on the crane by a blimped electric motor/pump unit. Hydraulic pressure is stored in an accumulator and fed to the cameraman's platform, to raise or lower the jib arm, and to the diagonally situated propulsion drive motors integral with the wheels. Camera height is also hydraulically operated. This system has excellent control characteristics and is silent and reliable in use.

Ordering information : 8213 268 81030



PEDESTAL
 Type 677

LIGHTWEIGHT STUDIO PEDESTAL
Type 677

The Vinten Type 677 has been designed especially for lightweight broadcast cameras in the weight range 50–150 lb. It has a wide field of application, being suitable for both national broadcast studios and educational/closed circuit TV.

Ordering information : 8213 268 81029

PNEUMATIC TELEVISION PEDESTAL
Type 741

The Vinten Tern Pneumatic Pedestal has been designed as a rugged easily manoeuvrable and relatively simple television camera mount. It comprises, basically, a triangular base supported on three wheel units, serving as a mounting platform for the fixed tube and single central telescopic camera column.

It is capable of supporting and counterbalancing the increased weight of complex camera equipment now being used in television studios, i.e. colour cameras, autocues, zoom lens, etc. Load capacity 250 lbs. Height range: 810 mm (32 in) to 1350 mm (53 in)

Ordering information : 8213 268 81028



PEDESTAL
 Type 741



TRIPOD Type 738
 SKID Type 719
 See Accessory Note

TRIPODS
Type 697 & 738
SKIDS
Type 698 & 719

The Vinten tripod/skid combination provides a versatile camera mounting. The tripod may be used indoors or outdoors; the skid provides a head mounting face for a low angle camera, and locked together, the tripod and skid may be steered or tracked as a single unit.

The unit accepts a camera and accessory weight of up to 91 kg (200 lb), yet itself weighs less than 22 kg (50 lb). When folded flat for transportation, the tripod and skid may easily be carried by one man.

The tripod is available in standard and short versions, the latter providing a lower minimum height. Both tripods are telescopically extendible to the maximum/minimum heights shown in the specification. They may be used outdoors on uneven ground, utilizing the fittings described below, or in conjunction with a skid for studio use. Two skids are available, one as a standard and the other incorporating a wheel tracking facility.

Units can be set up very quickly. Adjustable tripod legs are held firmly by three knobs; the arms of the skid are locked by a single lever situated below the hexagonal head mounting face. Ball and socket fixtures ensure a positive lock between the tripod and skid in a matter of moments.

Ordering information :
 697 : 8213 268 81013
 738 : 8213 268 81026
 698 : 8213 268 81014
 739 : 8213 268 81031



TRIPOD Type 697
 SKID Type 698
 See Accessory Note

LOW ANGLE DOLLY

Type 723

The Low Angle Dolly was designed in response to a specific studio requirement – that of a low angle camera mount, *with variable height range*, to replace conventional fixed-height platforms. It counters one of the main drawbacks associated with low angle shooting, i.e. the low-platform camera being confined to floor level throughout the session, tying up valuable camera time.

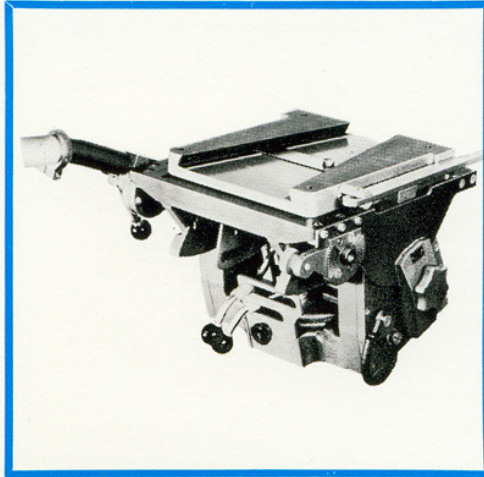
The Vinten LAD not only 'frees' the camera from its fixed low angle position – it provides tracker control, cameraman seating and on-shot mobility through a 21 in height range of movement.

The height range is 4½ in to 25½ in measured from the head mounting face. The jib arm is balanced by a hydro-pneumatic system for smooth and effortless camera control.

The four-wheel platform, incorporating tracker bar and cameraman's seat, is highly manoeuvrable. Its narrow width enables it to pass through small openings on the set yet does not detract from its complete stability. A swivel seat is fitted and the tracker bar assembly is removable for one-man operation. The front mounted castoring wheels can be locked for straight tracking and all wheels are adjustable to give two floor clearances: 4.8 mm (⅜ in) and 30.3 mm (1⅜ in).

The Vinten LAD is of A-frame girder construction incorporating jib and seat mountings. The jib arm is also of girder construction and carries a cantilevered fixing point for the pan and tilt head. In addition to the wheel assemblies, the platform houses a counter-balance system comprising a nitrogen cylinder/pressure gauge and an oil reservoir and pump.

Ordering information: 8213 268 81032



LIGHTWEIGHT STUDIO PEDESTAL

Type 715

A new lightweight pedestal joins a distinguished range. The Vinten Type 715 has been designed especially for lightweight broadcast cameras in the weight range 50–100 lb. It has a wide field of application, being suitable for all educational and closed circuit TV studios.

The 715 represents the latest thinking in pedestal design. New sleek lines and low weight factor have been achieved while retaining the operational stability and smoothness of more sophisticated models. Functional in appearance, the 715 is nevertheless built to full broadcasting standards.

A triangulated bearing system carries the central column which provides good height flexibility by effortless centre ring control. This kinship with far more expensive pedestals is further exemplified in the quiet, gliding action of the steering. Centre-ring guidance brings instant response from three rubber-tyred wheels.

Ordering information: 8213 268 81037

PAN AND TILT HEAD

Type 3A

The Mark 3A version of this popular and successful design incorporates improved friction controls for the pan and tilt movements.

The tilt friction control is mounted on the right-hand side of the head. It applies pressure on a quadrant plate attached to the camera platform, resulting in even and constant friction throughout the range.

The pan friction adjustment is situated at the rear of the head, nearest the operator. It controls a pair of friction shoes supplying even pressure for smooth traverse.

The tilt movement consists of two fixed cams secured to the underside of the camera mounting platform, two vertical guide bars attached by pivots to each side of the camera platform and two cam followers. With the platform in the horizontal position the cam followers rest on the highest part of the cams. When the head is tilted in either direction, the cams ride up on the cam followers, thus withdrawing the vertical guide bars from their housing allowing the camera platform to pivot in the desired direction.

Ordering information: 8213 268 81002

PAN AND TILT HEAD

Type 5

This is the Vinten Pan and Tilt Head Mark 5. It is a lightweight design, developed specially for modern compact broadcast cameras. Its main advantages are a 60° tilting angle and extremely light weight in relation to its load carrying capacity.

At 60° from the horizontal, the maximum tilting angle gives the camera that important extra scope and manoeuvrability. On outside broadcast work, light weight is also an important factor. The Mark 5 weighs an easy-to-carry 24 lb, yet accommodates cameras of up to 180 lb weight.

As with other widely used Vinten P/T heads, the Mark 5 employs the well-proven Vinten cam and roller bearing system. In both the pan and tilt modes operation is smooth throughout the whole range of movement. Friction controls, which are quite separate from braking, are adjustable to a fine degree.

The faultless performance inherent in Vinten engineering is complemented by the smart styling and finish of the Mark 5 model.

Ordering information: 8213 268 81027

ACCESSORIES

Nitrogen charging kit type 3419/512A

This accessory is for use with pneumatic pedestals in order to ensure the maintenance of operating pressures.

Ordering information : 8213 268 81003

Camera wedge

The camera wedge is attached to the base of a camera by four screws, and enables a camera to be secured to a wedge adaptor by one simple operation. It consists of a light alloy wedge shape plate, finished in black anodise, with the tapering sides chamfered, and it has a slot which receives the pin of the wedge adaptor locking bar.

Ordering information : 8213 268 81004

Wedge adaptor

The function of the wedge adaptor assembly is to receive and retain the wedge attached to a camera, securing the camera in one easy operation. It consists of a wedge adaptor, which receives the wedge, and a locking bar which retains it. The assembly can be attached by countersunk bolts to a bench or maintenance trolley.

Ordering information : 8213 268 81038

Platform extension plate

When a camera with a zoom lens is fitted to a Vinten Mk 3A or Mk 5 pan and tilt head, the centre of gravity of the camera may be beyond the range of adjustment provided on the head. The platform extension plate, fitted between the camera and the head, provides supplementary adjustment towards the rear of the head enabling correct balance to be achieved. Underneath the wedge adaptor/extension plate in the illustration is a secondary camera wedge.

Ordering information : 8213 268 81033

Angled camera mount

Used in conjunction with Vinten Mk 3A pan and tilt heads, the angled camera mount provides an additional 25° elevation or depression from the horizontal. The mount has the effect of decreasing the opposite angle by the same amount, e.g. with the mount in the elevated position (Mk 3A) the camera can be tilted from 25° depression (normally 50°) to 75° elevation and vice versa with the mount in the depressed position.

Ordering information : 8213 268 81034

Centre screw attachment

In order to attach a Vinten Mk 3A or Mk 5 head to equipment having a single camera-fixing point, a centre screw attachment must be used. Type 432/1A is used with Mk 3 models and 724/3 with Mk 5 models.

Ordering information :

Type 432/1A : 8213 268 81036

Type 724/3 : 8213 268 81007

Pan bar adaptor

Quadrant assembly

A pan bar adaptor assembly can be fitted to the Mark 3 pan and tilt head. The purpose of the adaptor assembly is to provide a mounting point for the zoom lens controls. The pan bar adaptor assembly is secured to a bracket assembly on the pan and tilt head by the quadrant assembly.

Ordering information :

Pan bar assembly : 8213 268 81035

Quadrant assembly : 8213 268 81019

Tripods and skids Stabiliser

Standard and short tripods can be supplied with a stabiliser unit which adds to stability.

Elevation Units

Additional height and smooth control is provided by elevation units for both long and short tripods. The standard unit provides an additional 770 mm height and the short unit, 570 mm.

Note

These are illustrated in the photograph of Tripods 697 and 738 but do not form part of the basic unit under these type numbers.

*Specification details subject to change
without notice*



Pye TVT Limited

PO Box 41 Coldhams Lane Cambridge England CB1 3JU
Tel: Cambridge (0223) 45115. Telex: 81103