

# MAIN OPERATING INSTRUCTIONS



## VPS-1 Pedestal

Including Dolly options & accessories

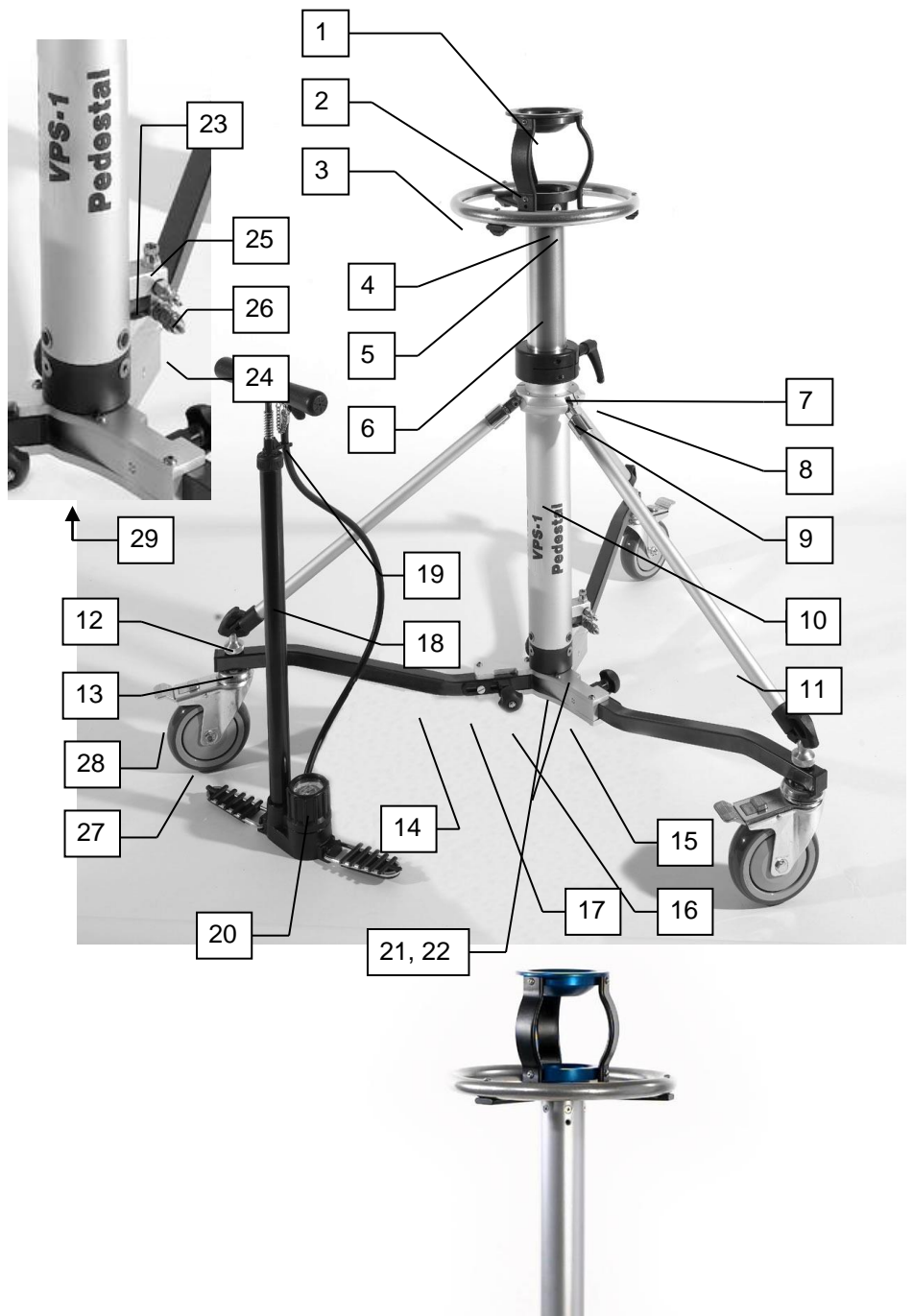
**CAMBO**

# 1. INTRODUCTION

You have bought a Pedestal out of the expanding new Cambo range of Video products. We expect that you will achieve improved results and performance using this equipment. These instructions give you a **full mounting description** and short information about the **main functions** of the new Cambo VPS-1 Pedestal Column and the VPD-9 Dolly. The flexible use of the Pedestal column in combination with several different dollies makes your equipment more applicable to your various working situations. The VPS-1 Pedestal combines design and affordability into a flexible new Camera Support System. The Pedestal System includes extensions for several set-up possibilities. The Set fits into a compact softcase (not included) that will be available from your Cambo dealer.

# 2. LIST OF FUNCTIONS

1. 100 mm Bowl
2. Bowl Brackets
3. Steering Wheel
4. Central Piece Bowl Unit
5. Locking Screws Bowl Unit
6. Inside Column Pedestal
7. Clamp System Column
8. Clamp Handle Column
9. Spider Clamp Ring
10. Outside Column
11. Spider Legs
12. Spider Feet
13. Tensioning Pen
14. Dolly Legs
15. Dolly Housing
16. Locking Knob Legs
17. Shift Block
18. High Pressure Pump
19. Hose Connection
20. Pressure Meter
21. Base Piece Column
22. Locking Screws Base
23. Air Pressure Block
24. Safety Valve
25. Set Knob Air Pressure
26. Schrader Valve
27. 125mm Wheels
28. Double Wheel Brake
29. Mounting Screw Base



### 3. SETTING UP INSTRUCTION

These instructions build the VPS-1 Pedestal Column on the Cambo VPD-9 Dolly in the most used way. There are however more set-ups possible for the column with the extensions and alternative dollies.

#### 3A NORMAL SET-UP:

-Take and place your folded Pedestal up side down (see picture). Unlock the Dolly Legs using the locking knob (16). Release them as much as is necessary to take out the leg and set it parallel to the Dolly Housing (15). Then push it into the Housing, glide the Shift Block (17) into the alternate position and fix the Leg with the same locking knob. Do the same for the other legs.

- Place the Pedestal right up on the dolly wheels, spreading the spider legs if necessary.

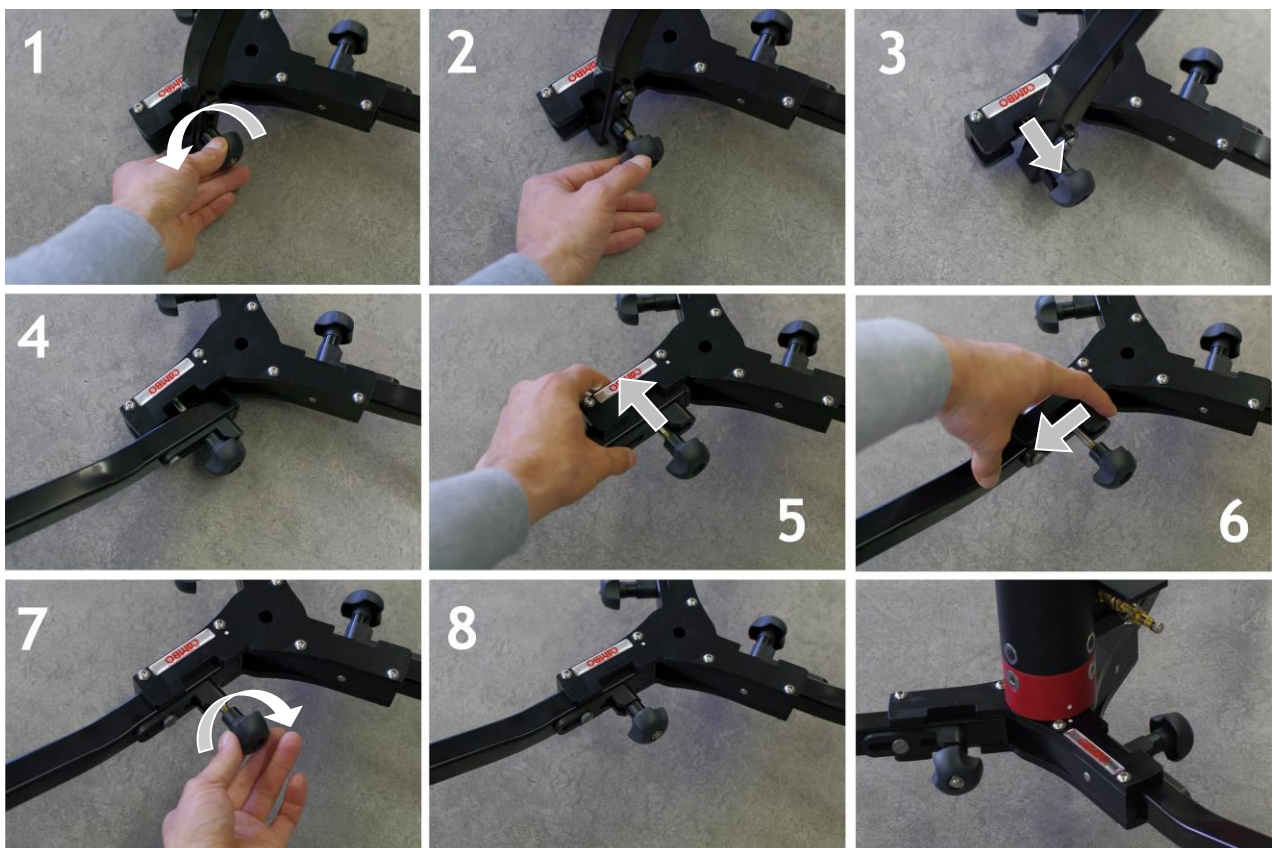
- Turn the Tensioning Pens clockwise to make it possible to place the Spider legs on top of them. After placing all three, tension them with the Pens turning them counter clockwise.

- Lock the (airless) Pedestal Column in the highest position using the locking lever (8).

- Take the High Pressure Pump that is supplied with your Pedestal and connect it to the Schrader Valve on the Air Pressure Block (23).

Bring the Air pressure to the desired altitude depending on the camera load that is going to be used. During detaching of the pump there is some air leaving the system. We recommend to bring extra air in the system and let some air go out during fine tuning the camera with its accessories.

*Note that the Base Piece (21) of the column has a white indication point that should be pointed at the white indication point on the dolly housing (15). This position makes the Pedestal with Spider ideal foldable.*  
Now the VPS-1 Pedestal is set up in its normal way on the VPD-9 Dolly.



### 3B EXTENDED SET-UPS (optional):

The Pedestal can be enlarged using the optional VPS-150 and VPS-300 extensions. For sitting work the above described set-up will do. For standing, depending on the length of the user the extensions are used.

#### Placing Extensions:

- Remove the three locking screws (22) that hold the column in the base piece (21) using the supplied hexagon key.
- Take off the Column with spider and lay it aside.
- Mount the extension(s) you need using the same hexagon key. Fix them firmly but do not use too much force for there is a chance of damaging the tool or the screws.
- Take the Column and mount it on top of the extension(s).
- Lower the Tensioning Pens (13)
- Loosen the Spider Clamp Ring (9) with the two locking screws and let it slide down until the spider legs fit the Tensioning Pens. Then fasten the Spider Clamp Ring again with both screws.
- Tension the Spider using the Tension Pens (counter clockwise).

### 3C LOW SET-UPS:

- Remove the three locking screws (5) that hold the Bowl Unit on the inside column (6) using the supplied hexagon key.
- Take off the Bowl Unit and lay it aside.
- Remove the three locking screws (22) that hold the column in the base piece (21) using the supplied hexagon key.
- Take off the Column with spider and lay it aside.
- Mount, if necessary the extension you need using the same hexagon key. Fix them firmly but do not use too much force for there is a chance of damaging the tool or the screws.
- Take the Bowl unit and mount it on top of the extension(s) or directly to the Base Piece (21) of the Dolly.
- A special low set up is possible using only the Bowl unit, placing it on its rubber feet on the ground or a table.



## 4. MOUNTING THE VIDEO CAMERA

- Be sure that vertical movement-locking knob (8) is tight and the wheels are locked (27, 28).
- Place the Pedestal on a stable and flat floor.
- Mount your camera Head on the 100mm bowl. When using a 75mm Head an TVBA-100/75 adapting plate is available from your Cambo supplier.
- Mount the camera to the Head using the integrated quick lock system. Apply all appropriate accessories to the camera up to the maximum of 20kg total load (camera, head & accessories together).
- If necessary use the Pump (18) to increase pressure to the air system or use



the Set Knob (25) to decrease the pressure. Use the complete vertical stroke of the Pedestal Column to test what is the ideal situation.

- If too much air pressure is applied the safety valve (24) will open and an unknown amount of air will escape from the system to prevent it from being overloaded.

## 5. ALTERNATIVE COMBINATIONS

### SETTING UP INSTRUCTION USING MANFROTTO 114MV OR MILLER DOLLY.

These instructions build the VPS-1 Pedestal Column on the Manfrotto 114MV or the Miller 480, 481 and 483 dollies. The Cambo VPD-9 Dolly has the Tensioning Pens to get the Spider stability but the Manfrotto and Miller dollies have to be mounted differently.

- Take the Dolly that will be used and place it on its wheels on a stable, flat floor.

- *If the Manfrotto 114MB dolly is used the central hole should be made into a Round 12mm hole. This hole should be made from above with good support of the dolly to prevent it from rotating.*

- Lock the wheels

- Take the Base Piece (21) of the Column and mount it to the dolly using the supplied screw and hexagon key. Do not fix it yet but leave approximately 5mm play.

- Mount, if necessary, the spider clamp ring to the outside column (10) using the two screws and the supplied hexagon key. Do not fix it firmly yet.

- Take the Column with spider and mount it to the Base Piece using the three screws (22) and the supplied hexagon key. Place the spider legs on the 'tripod'-attachment points of the dolly and fix them with the rubber flaps.

- Be sure that the spider clamp ring easily slides on the Column. Lift the Column to check.

- Rotate the Column until a good position is found for the folding spider and the air pressure block. The air connections should be protected by the dolly housing.

- Lift the Column in the highest position (5mm play) and fix the spider clamp with the hexagon key.

- Now the Column has to be pulled down with the hexagon Bolt (29) underneath the dolly housing (15) with the supplied hexagon key.

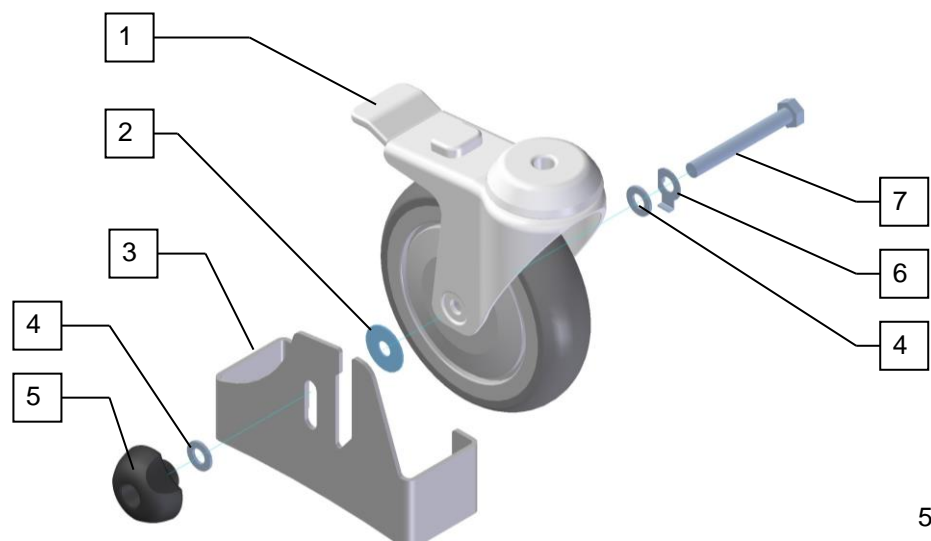
- Be sure that there is not too much tension on the spider legs.

## 6. CABLE GUARDS (OPTIONAL)

The 125 mm low friction swivel wheels can optionally be equipped with cable guards according to the following mounting instructions.

1. 125 mm Swivel Wheel with double brake
2. Washer 25 mm
3. Cable Guard
4. Washer 16 mm (2x)
5. Knob M8
6. Locking Plate
7. Hexagon Bolt M8x65

- Remove the Bolt and Nut from the 125 mm wheel using the supplied tools



- Take the new hexagon Bolt, Locking Plat and small washer and put them through the Bracket and Wheel.
- Then Position the Cable Guard (3) around the wheel and put the larger washer 25mm (2), the Cable Guard, a small washer (4) and the Knob on the Hexagon Bolt (7)
- Be sure that the locking plate (6) is put right to prevent the Bolt from turning when the Cable Guard is in place.
- Do so also for the other wheels

The Cable Guard now is mounted and adjustable by the Knob, shifting it vertically, depending on the use of the Pedestal.

## **7. USING THE VPS-1 PEDESTAL & VDP-9 DOLLY**

The Pedestal Column has a low friction vertical stroke, which enables you to make very fluid movements. The pan / rotation is blocked and allows you to use the fluid pan movement of your camera head.

If you use the Pedestal and Dolly while rolling on wheels it is recommended to set the friction on your camera head as low as possible. This compensates the easy pan-rotation of the dolly itself. When the surface on which you are rolling is flat and stable this is a good way to make moving images in combination with the vertical stroke and camera head pan & tilt.

For all Pedestal possibilities and accessories we refer to your dealer and the [www.cambo.com](http://www.cambo.com) site.

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## 8. SPECIFICATIONS VPS-1 PEDESTAL & VPD-9 DOLLY

- |   |                                   |                          |
|---|-----------------------------------|--------------------------|
| ■ <b>Pedestal &amp; Dolly Dimensions:</b> | Folded:                           | 815x415x415mm (hxbxw)    |
|   | Normal set up:                    | 1591x160x406mm (lxbxw)   |
| ■ <b>Weight:</b>                          | VPS-1 Column                      | 6,3kg without extensions |
|   | VPS-150                           | 0,5 kg                   |
|   | VPS-300                           | 0,8kg                    |
|   | VPD-9 Dolly                       | 4,9 kg                   |
| ■ <b>Maximum Load Camera System:</b>      | (Incl. Camera Head & accessories) | 30kg                     |
| ■ <b>Vertical reach:</b><br>Stroke 355 mm | Normal set up:                    | 790 mm – 1145 mm         |
|   | + 150 mm:                         | 940 mm – 1295 mm         |
|   | + 300 mm:                         | 1090 mm – 1445 mm        |
|   | + 450 mm (both ext.):             | 1240 mm – 1595 mm        |
- VPS-1 on Manfrotto 114MV, Miller 480, 481, 483 dollies:  
increased altitudes with 95mm

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