

INSTRUCTION MANUAL

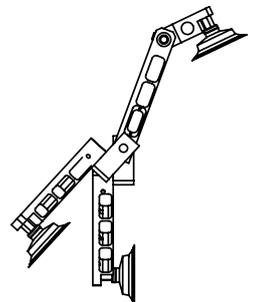
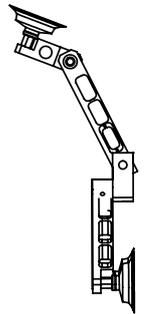
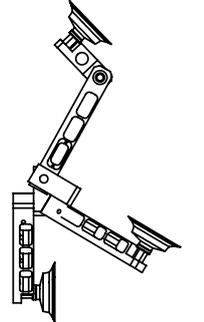
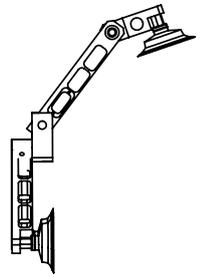


Stay *FOCUSED*
VacuMount



The Right Choice!

Table of contents

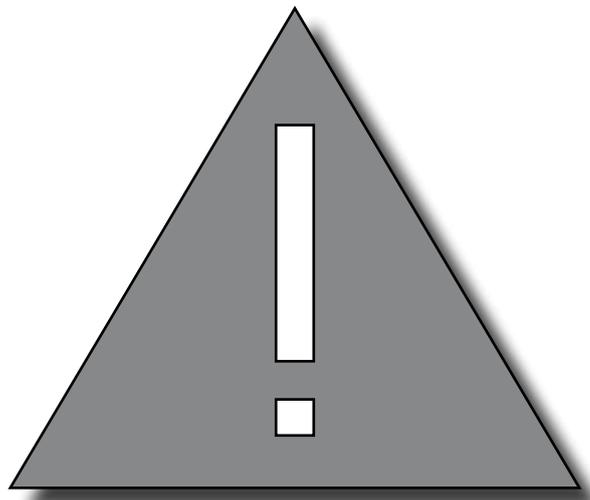


Subject	Page
Safety hints	3
The VacuMount System	4
Initial operation	5
Micro-controlled Vacuum Pump System	6
Assembling	7 - 12
Notes	13
Examples	14 - 15

Office
IDEA VISION GmbH
Anzengruberstr. 16
83059 Kolbermoor
Germany

Directors
Gabriel Pecuch
Mark Fellingner
District Court of
Traunstein HRB 24094
USt-IdNr.: DE 298741089

Contact
Fon +49 (0)8031 90 85 795
Fax +49 (0)8031 90 85 796
email contact@idea-vision.de
www.idea-vision.de



Safety hints

1. Do not start operating the VacuMount System until you have read and understood the operating instruction. All safety hints and informations have to be observed.
2. The IDEA VISION VacuMount may only be operated by competent staff.
3. Cleanness and adhesion: To guarantee a proper adhesion of the suction cup it is most important to make sure that the surfaces of both, the suction cup and the mounting surface are clean. Please mount the device exclusively on smooth, even and suitable surfaces.
4. Attention: Although the holding force of the suction cups are high enough to carry the camera, always use tension belts (safety straps) as a back up. Before using the VacuMount, steadiness and holding force must always be tested before shooting or driving using the maximum forces to be expected. Attention: With the construction the car is wider/higher as normal. The horizontal and vertical areas must be kept free. Use only on secured roads/ areas. Do not use on public roads.
5. Do not switch on vacuum pump in dusty area. Clean car surface from dirt/dust. The suction cups work like a vacuum cleaner. During air suctioning, particle (e.g. sand) may damage inside parts like the pump.
6. Repair works should only be executed by the manufacturer or by well-trained staff.
7. When connecting the VacuMount to the power supply, the general VDE guidelines have to be observed. The VacuMount needs to be protected against moisture.
8. Make sure that unauthorized personnel can not use the VacuMount

The C3 VacuMount System

C3 VacuMount Kit existing of:

- 1 x C3 structure
- 2 x Suction cup 125 mm
- 1 x Suction cup 80mm
- 1 x Micro-controlled Vacuum Pump System
- 1 x cable car power supply appr. 2m
- 1 x cable air supply appr. 5m



C3 VacuMount extension:

- 1 x C3 structure
- 2 x Suction cup 125 mm
- 1 x Suction cup 80mm
- 1 x cable air supply appr. 5m



C1 VacuMount extension:

- 1 x C1 structure
- 1 x Suction cup 125 mm
- 1 x cable air supply appr. 3m



MCU VacuMount Pump

- 1 x VacuMount Pump
- 1 x cable car power supply appr. 2m



Initial Operation



1. Connect vacuum hose with the Micro-controlled Vacuum pump and C3, C1 structure. Push the hose into the connections. You can feel a distinct resistance during this process. If there is a leak, the VacuMount system will not hold or the vacuum pump will always pump.



2. Connect the Micro-controlled Vacuum pump system with the power supply (11V – 30V).

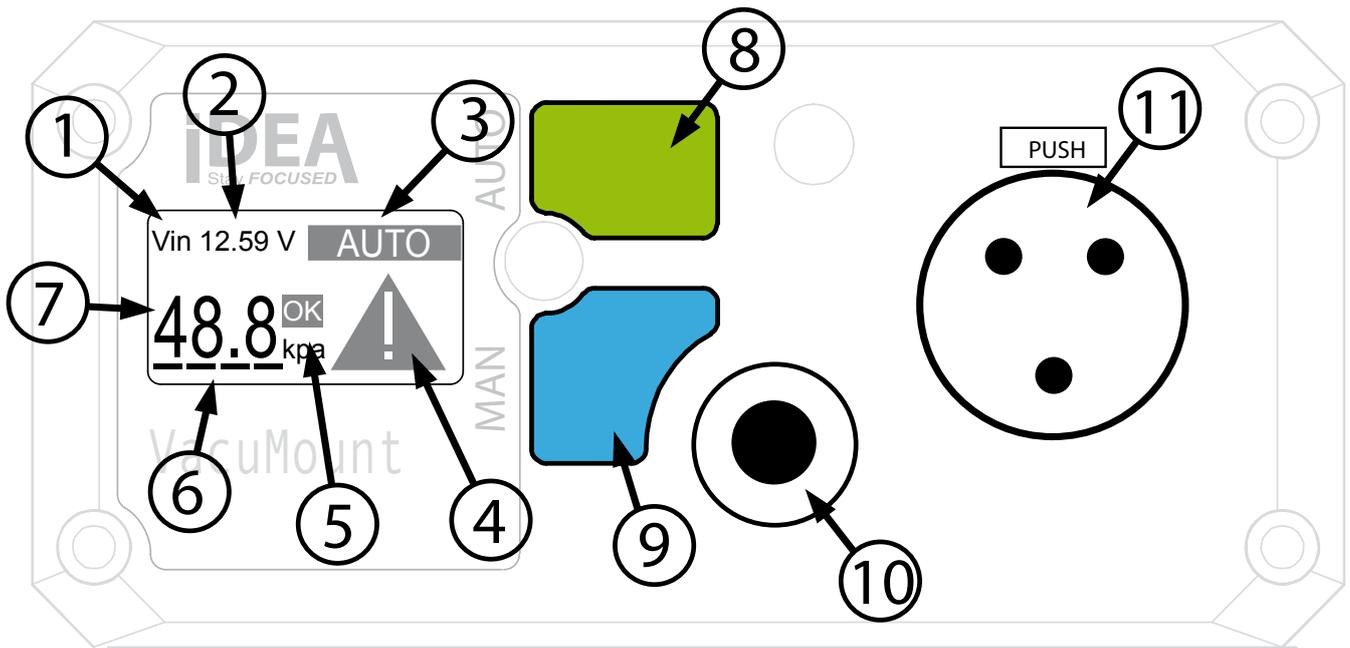


3. Check that the suction cups and the mounting surface are clean. To guarantee a proper adhesion of the suction cup it is most important to make sure that the surfaces of both, the suction cup and the mounting surface are clean, dry and dust free.



4. Check the stability of the mounting surface. Hoods, doors of modern cars are often weak. Place the suction cups near edges, beadings, seams, etc. Keep in mind to find suitable mounting spots for safety/tension belts.

Micro-controlled Vacuum Pump System



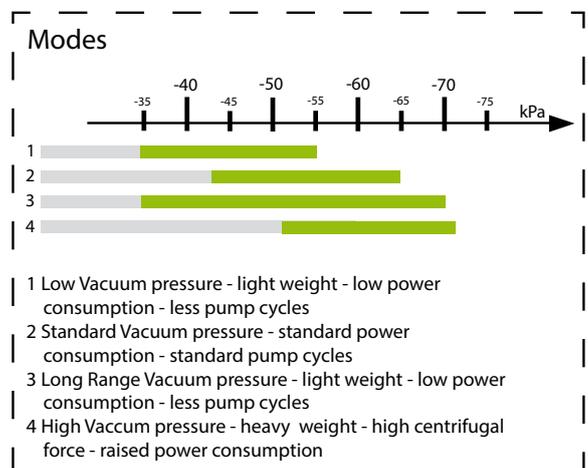
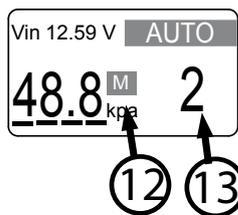
- 1 **Power Supply Status**
Power supply low Lo
Power supply in working range Vin
Power supply to high Hi
- 2 **Voltage indicating system**
- 3 **Operating Mode** MANUAL
Operating Mode AUTO
- 4 **Warning !** Slow stop! Check the system!
- 5 **VacuumStatus**
Vacuum pressure to low Lo
Vacuum pressure in operating mode OK
- 6 **Operating Range Vacuum**
upper operating range
lower operating range

- 7 **Negative Vacuum Pressure in kpa**
- 8 **Automatic Button**

- 8.1 **Mode Adjustment**
Hold green Button for 3 seconds
- 12 Change into Mode Menu
- 13 Select with blue Button

Return with green Button

- 9 **Manual Pump Button**
- 10 **Air supply**
- 11 **XLR Plug**



Assembling

1. Make sure all components are available and in working order.



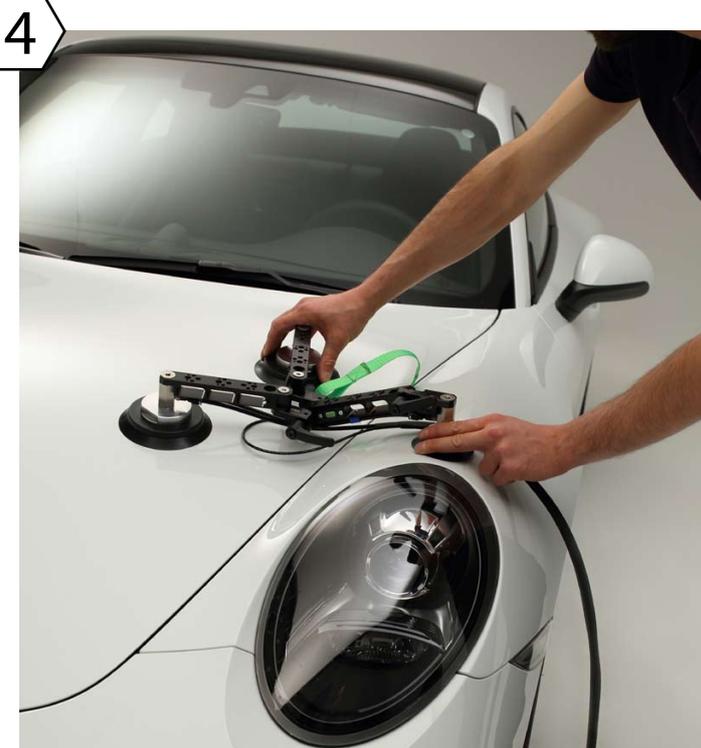
2. Clean car surface and suction cups.
Note: Clean, dry, dust free



3. **Safety:** Although the C3 VacuMount's holding force is adequate for regular driving shots, tension belts must be used for additional safety. In any case, especially if mounted on cars or overhead, the object attached to the C3 VacuMount (e.g. camera) has to be secured additionally with a safety cable or a tensioning strap.

Use pads to avoid dents and scratches on carpaint. Tighten tension belts carefully to avoid damages on the car.

Note: Tension belts give additional safety and avoid vibrations, especially on thin metal sheets.



4. Place C3 VacuMount where you want to shoot.

5. Open articulated links to level suction cups to surface.

5



6



6. Press firmly suction cups down and push green Button AUTO at the Micro-controlled Vacuum pump or push green Button at the C3 structure. The vacuum pump starts working for appr. 3 sec

Note: Assure that the Vacuum Pump System is in Mode Automatic

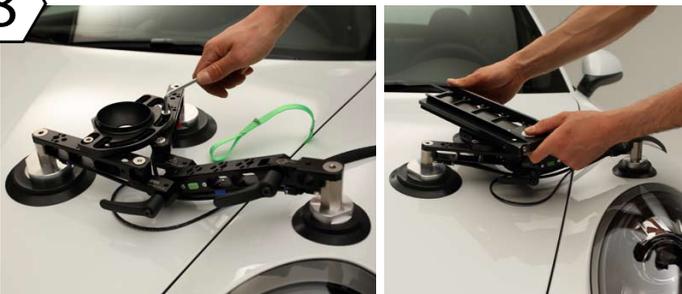


7



7. Adjust the C3 to your requirements. Close articulated links after all suction cups got vacuum.

8



8. Mount camera direct to C3 structure using M8, 1/4" ,3/8" or use a wedge/tilt plate.



9

9. Secure C3 and camera with tension belt.
Note: Test fixture before driving.



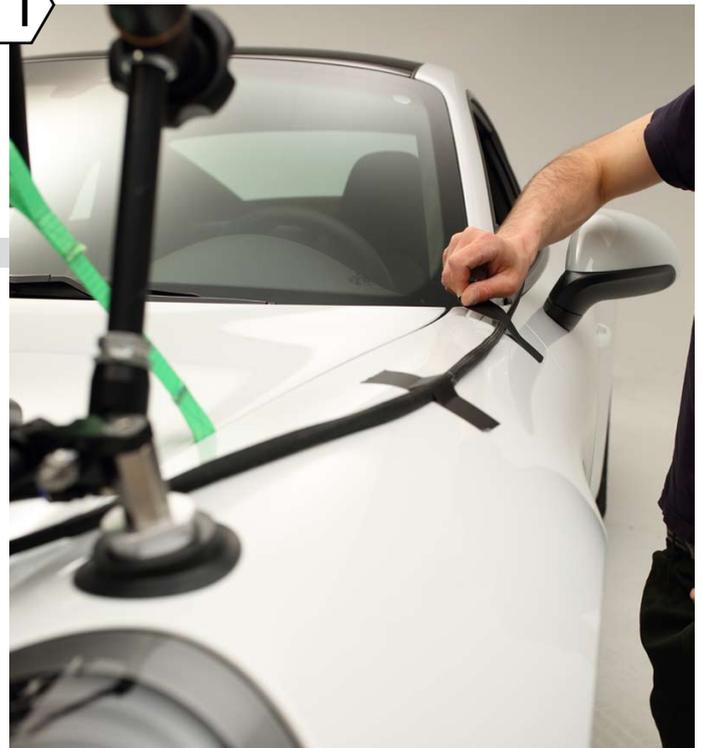
10



10. Place vacuum pump system e.g. inside the car and secure it properly.

11

11. Fix vacuum hose with e.g. adhesive tape.



12



10. End of using:

Switch from Automatic into Manual Mode (push green Button).

Push release Button at the Vacuum Pump System.

Note: You loose vacuum immediately.

Vertical assembling

If you rig the VacuMount e.g. on the side of a car you have to keep in mind same points as described above. However, keep in mind that the VacuMount will not hold on the door without the vacuum. Therefore, switch on the vacuum pump system before you place it.

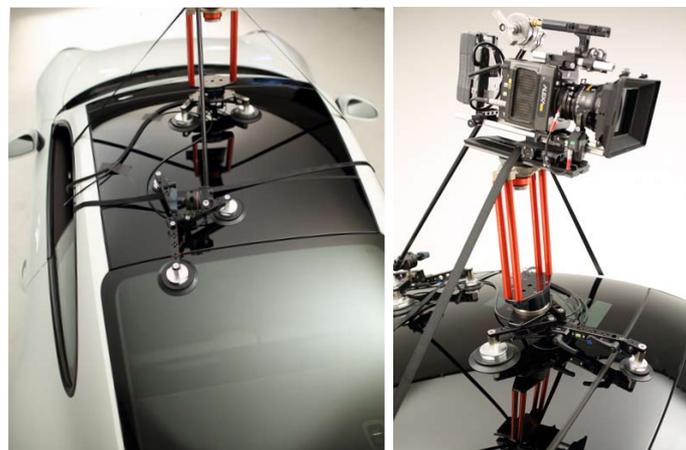


Assembling with C3, C1 extension

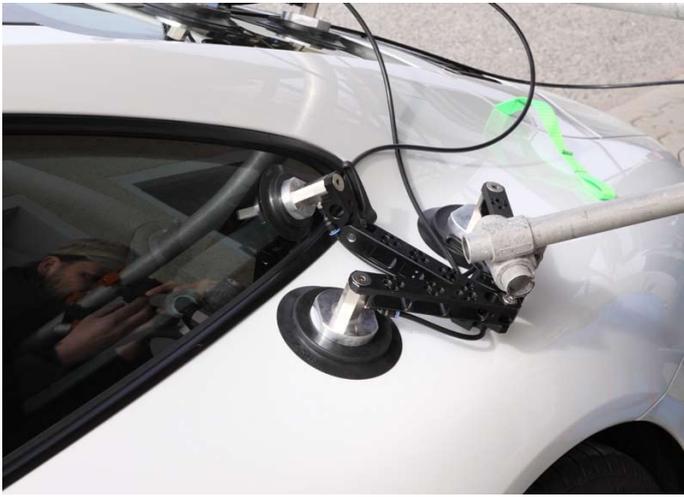
Use the Extension Kit if you want to place the camera from more distance. You have to keep in mind same points as described above when mounting the VacuMounts with Extension Kit.



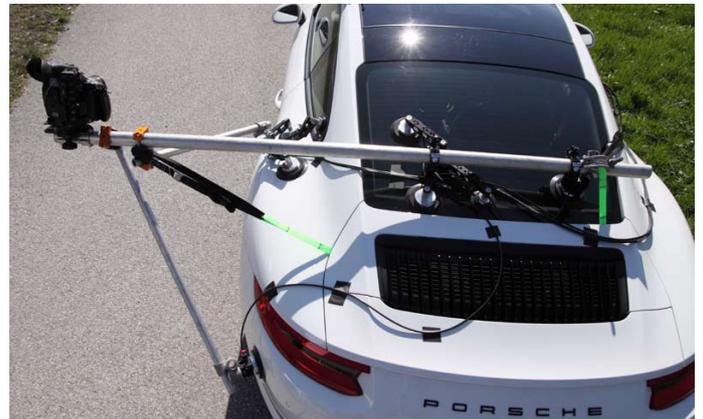
Individually place the VacuMounts to your requirements and connect them with the vacuum pumps system. You can supply vacuum hoses serial.



Use Bowl Adapter to level the camera. The camera can be attached directly to Bowl Adapter or to a camera wedge plate using 3/8" screws.



Always use at least three mounting spots to get adequate stability. The more mounting spots, C3's, C1's you use the better stability you get.



Assembling with C1



Note: In any case steadiness and holding force must always be tested before shooting or driving using the maximum forces to be expected. With the construction the car is wider/higher as normal. The horizontal and vertical areas must be kept free. Use only on secured roads/areas. Do not use on public roads.

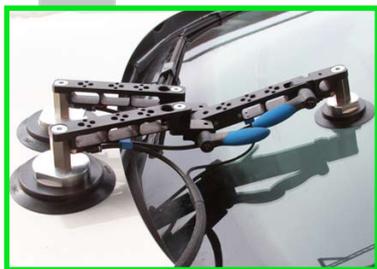
Notes

1. You lose vacuum immediately if you disconnect the vacuum hose!
2. Vacuum hose connection.
 - a. Disconnect vacuum hose.
 - i. Press down blue ring of connection.
 - ii. Pull hose at same time.
 - b. Connect vacuum hose.
 - i. Push hose into the connection. You can feel a distinct resistance during this process.
 - c. If there is a leak, the VacuMount will not hold or the vacuum pump will always pump.
3. Suction cups can be changed easily.
4. The Suction cups are designed in such a way that they still get vacuum on certain convex and concave surfaces. However, use a suction cup with a different size or form, if the surface is too much curved.
5. Normally, the suction cup is attached tightly and goes off easily. Nevertheless, the suction cup should be regularly removed after 12-24 hours at the latest. Please clean and maintain the device regularly using a special rubber-care product. This measure extends the life of the suction cup and prevents it from sticking to the surface.
6. Clean surface after use to remove possible prints.
7. Cut vacuum hose right after the bend if the hose is cracked. You can repeat this procedure until the vacuum hose becomes too short.
8. IDEA VISION recommends tubes with a size of 33mm (weight!).

Office
IDEA VISION GmbH
Anzengruberstr. 16
83059 Kolbermoor
Germany

Directors
Gabriel Pecuch
Mark Fellingner
District Court of
Traunstein HRB 24094
USt-IdNr.: DE 298741089

Contact
Fon +49 (0)8031 90 85 795
Fax +49 (0)8031 90 85 796
email contact@idea-vision.de
www.idea-vision.de





Office
 IDEA VISION GmbH
 Anzengruberstr. 16
 83059 Kolbermoor
 Germany

Contact
 Fon +49 (0)8031 90 85 795
 Fax +49 (0)8031 90 85 796
 email contact@idea-vision.de
 www.idea-vision.de

The Right Choice!