

# Precautions for Moving or Relocating a Previously Working STable (©) Active Pneumatic Vibration Isolation Table

First of all: Please take care of yourself! The parts of the AV-tables are very heavy and can be uncomfortable and dangerous to lift!

You might have our User Manual and Installation Guide which we always provide with every AV-table. Please go through the two longer manuals so we can avoid misunderstandings. In case you do not have any of these documents you can download them from our website:

[www.superte.ch/downloads.html](http://www.superte.ch/downloads.html)

Steps for the repositioning:

- 1) If you have a **compressor**, please **switch it off**. In case you operate the table using central air pressure, it needs to be disconnected as well. In that case, please **switch off the air supply**.
- 2) You must **release the pressure** from the working cylinders as follows. At every leg, find the height-sensing lever of the valve assembly, and push it upwards. You can push the levers by the threaded screws, squeezing the springs against the bottom of the top plate. To make sure that there is no pressure in the cylinders, try to lift each corner of the top-plate. If you cannot lift the corners easily by hand, then all the pressure is released.
- 3) **Disconnect the pneumatic tube** between the AV-table and the compressor (or any other source of air supply). The tube connector is located at the lower back cross-bar of the leg system. Alternately the pneumatic tube can be disconnected at the back of the compressor. We recommend covering the ends of the tube and the connector with masking tape to keep them clean.
- 4) Now you must **fix all three height-sensing levers onto their security bumpers** with rubber rings or tape, as shown in the Installation Guide (point 2).
- 5) **Remove the armrest**. The armrest (Installation Guide, point 7) should be covered to protect its polished wooden surface. Remove the black covers of the screws using a screwdriver, or by hand. You need a 13mm wrench to remove the screws. The four blue steel rods of the armrest can be unscrewed by hand.
- 6) The top plate can be rotated or tilted during transportation without any major consequence. Usually there are 2 holes on each side where you can put M16 screws to assemble some sort of a handle. We can provide an **installation toolbox** that contains 4 appropriate handles and several other useful items. If you are interested, please ask for a quotation. 4 or more strong men, (or a forklift, depending on its size) are required to lift the top plate.

Considerations on the leg-assembly:

- 1) **It is strictly forbidden to tilt the leg assembly at an extreme angle (more than 30 degrees), because the working cylinders would fall out!** The leg system must be moved top side up. The cylinders always have to be on top because only gravity keeps them inside the leg system!
- 2) As a general rule, the leg system can be lifted or moved only by the blue painted parts, **never** by the silver colored valve assemblies.
- 3) Only three sides of the leg assembly are connected by the horizontal bars between the legs (right, left, and back). Before transportation of the AV-table from the factory, we put an H-shaped yellow steel beam onto the front of leg assembly. This H-shaped steel beam prevents any dangerous bending of the leg assembly while during transportation. If you have this yellow steel beam, you should attach it using M8x40mm screws. If you do not have this beam it is not a crucial problem, but you have to take special care. The two sides of the leg assembly have to be lifted at the same time to **avoid torsion! 4 men** are required to lift the leg assembly (one man at each leg).
- 4) After the leg system is placed to its final position the whole adjustment procedure (point 3) of the Installation Guide must be followed step by step. This is to guarantee proper operation.
- 5) The top plate should be placed onto the leg system and adjusted properly (it should sit centered on the leg system). **Be careful during lifting and positioning the top plate!** If you are not careful enough, the valve assemblies can be damaged, or even destroyed. Do not slide the top plate on the legs, always **lift** it!
- 6) At the beginning of the moving procedure you fixed the height sensing levers to their security bumpers. The fixing elements you used (rubber rings or fixing tapes) should be taken off now. If you forget this step, an overload condition can appear in the working cylinders, causing the membranes to explode!
- 7) Switch the air supply back on, taking special care (as described in the Installation Guide, points 10-13).

**Should you need any more information, we are happy to be there for you.** Please do not hesitate to contact us, we are available on the phone or via email.