

Air Skids: Transports High Precision Machines



APPLICATION:

A German company, with a famous name in optical instruments, needed a profitable solution to moving their special high precision machines. Airfloat's customer needed to transport five of these machines over a distance of 500 ft into an adjacent building. The particularity of these moves were that on each machine there are high precision measuring units that work with a precision of 1/1000 mm. In addition, those units are mounted on a piece of marble weighing 18,000 lbs. Therefore, it is crucial that the equipment is not damaged during the move.

SOLUTION:

Previously, when the machines were transported, it was necessary to dismantle the highly sensitive and complicated units. This resulted in each machine being out of order for more than one week. By using Airfloat's Standard 17" Air Skids, there was no need to dismantle the high precision measuring units. Airfloat's Air Skids allowed the machines to be operational 24 hours later. In addition, there was no risk of damage to the equipment. Airfloat Air Skids provided a solution that increased productivity, eliminated product damage, and provided a short term return on invest.

BENEFITS:

- Ease of operation
- Productivity is increased since moves are accomplished faster.
- Lower capital expenditures: eliminates cranes and moving contractors
- Rigid steel construction for high durability
- Tray mounted air bearings that allow for servicing without removing the load
- Eliminates product damage
- Operates on plant air supply