



Transportation done properly

As told earlier [a few weeks ago](#), we ship our simulators to any place in the world. Even if you are located on the 3rd floor of a building in the middle of one of the most densely populated areas on earth. Or for example somewhere very remotely located. And it doesn't matter if it is just a flight deck, or a full motion simulator, we can deliver our simulators at your location.

In this case we just shipped a full motion system to our client in Australia. The shipment contains three boxes: One box for the simulator enclosure, including cabin, panel, controls and visual. One box for the motion platform. And finally one box for the computer systems that runs the simulator, visual and instructor station. It's not only a matter of packing the products correctly, it is also very important to ship the boxes in such a way that they can't get damaged during transportation.

These boxes will sail across multiple oceans for six weeks before they arrive at their final location. Therefore the boxes are firmly fixed to the floor of a so called "[flat rack](#)" container. We have to use a flat rack container, since the box holding the enclosure is too wide to fit inside a normal container. The flat rack container does not have a roof nor side walls, but is still stackable. Therefore the container does not take up more space on the vessel than necessary. If you want more information about our systems and on site installation and training by TRC Simulators, please contact us at sales@trcsimulators.com.



Shipping a full motion flight simulator

We ship our flight simulators all over the world. But it is extremely important to pack these valuable products very carefully to ensure they are not damaged during transport.

A static simulator cabin like the [TRC 472FG](#), including computer system fits easily in one box. Another box is used for the 180 degree visual system. Unfortunately this does not apply to a full motion system like the [TRC 472FGM](#). After we have built the system and tested it for a period of time, we have to take the system apart, since the motion platform and the enclosure, including the cabin, are being boxed separately to fit in a shipping container.

The boxed TRC 472FGM in these pictures will be transported to Australia. This means the “wooden boxes” must undergo an ISPM 15 treatment before we can ship them out. The wooden parts of the boxes will undergo a heat treatment as the wood needs to be heated until its core reaches 56 °C for at least 30 minutes. Its main purpose is to prevent the international transport and spread of disease and insects that could negatively affect plants or ecosystems.

Once the boxes arrive at the location of the client, we will reassemble all parts to make it one beautiful full motion flight simulator, based on a Cessna 172. After reassembling the parts, we will train the local staff in how to operate and how to maintain the simulator. If you want more information

about our systems and on site installation and training by TRC Simulators, please contact us at sales@trcsimulators.com.



Powder coating metal parts

Most of the metal parts of our flight simulator products are not spray painted, but powder coated, to guarantee a long life span.

The photos above show a number of products that are given a powder coating. Among other things, the panel for our analog TRC 472 flight simulators are provided with a layer of powder coating and also the parts for the flight stick. But the photos also show the front of a new product. But more about that later.

Powder coating is a type of coating that is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in coating and is then cured under heat to allow it to flow and form a "skin". The powder may be a thermoplastic or a thermoset polymer. It is usually used to create a hard finish that is tougher than conventional paint.



TRC 472FGM Full Motion Flight Simulator

A 6 degrees of freedom Full Motion Flight Simulator is now more affordable than ever. For the price *) of a static flight simulator system, certifiable up to EASA FNPT II standards, TRC Simulators offers the TRC 472FGM 6DOF Full Motion Flight Simulator System.

We just delivered the first TRC 472FGM Full Motion Flight Simulator for one of our clients. Although the system sits on a 6 degrees of freedom

motion platform, the flight simulator still fits in relatively small rooms. It is equipped with control loading on both the dual yoke system and the dual rudder pedals and can be delivered with an analog panel, or a G1000 glass cockpit panel.

The system is certifiable up to EASA FNPT II, including motion (although the system is based on a Cessna 172, it will be certified as a generic, single engine aircraft). The visual inside the enclosure consists of 7 65 inch LED screens with a resolution of 4K per screen. Since each screen is controlled by its own image generating computer system, the frame rate is still 60fps.

For more information and a quotation, including on site installation of the TRC 472FA/GM, please contact our sales department at sales@trcsimulators.com.

*) : compared to the competition