

 **TRC SIMULATORS**
Realistic Flight
SERVING THE FLIGHT SIMULATOR INDUSTRY

 **TRC SIMULATORS**

TRC4000

TRC4000 CABIN C172A.

ANALOG COCKPIT CESSNA 172 FLIGHT SIMULATOR

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The TRC4000 CABIN C172A flight simulator is an actual replica of a Cessna 172 cockpit, including correct cabin and panel measurements. It comes with real replicated analog instruments.

When entering the TRC4000 CABIN C172A flight simulator, the student will step into an actual aircraft, with all instruments, knobs and controls on the location where you should expect them, instead of a generic cockpit with a panel that doesn't resemble an actual plane. The resemblance between the real aircraft and the TRC4000 CABIN C172A is so striking, that you can hardly tell the difference between the both of them. Instead of making use of LCD screens to project the instruments behind holes in a panel, the TRC4000 CABIN C172A contains real instruments that behave and can be controlled exactly like in the real aircraft. The TRC4000 CABIN C172A teaches the student to operate an aircraft, rather than a flight simulator. This makes the TRC4000 CABIN C172A the ideal procedure trainer.

- Dual Controls for yoke and rudder pedals
- Optional electrical control loading
- Cessna 172 panel with real analog instruments
- 180 degrees LED video panel visual system
- Compact design, fits in most office spaces
- Instructor station including 2 touch screens
- TRC Touch Trainer software
- Intercom system, including 3 pilot headsets
- Integrated computer systems
- Upgradable navigation database
- Any airport in the world available
- Easy maintenance
- On-site installation by TRC Simulators
- 99% average uptime

OPTIONS

- Electrical Control Loading
- GNS530 GPS System (for PBN)
- Functional Circuit Breakers
- Enclosed Instructor Station Hub
- 270 Degrees LED Video Wall Visual
- Custom Livery

COMPLETE PACKAGE.

READY TO START TRAINING IN A FEW DAYS

The TRC4000 CABIN C172A Flight Simulator comes as a complete package, so you are ready to start training your students in a few days.

Everything is included, from a 180 degree LED Video wall visual system for an immersive view directly from your cockpit, to an instructor station desk, including software to keep track of the progress of your students. The panel of the TRC4000 CABIN C172A Fixed Base Flight Simulator is exactly the same as the panel of a real analog cockpit Cessna 172 panel. The spring loaded (up to EASA FNPT I requirements) dual yoke and rudder pedals can be upgraded with control loaded dual yoke and dual rudder pedals (up to EASA FNPT II requirements). The 180 degrees visual system can be upgraded to 270 degrees.



The TRC4000 CABIN C172A flight simulator system at a glance:

Compact Design

The TRC4000 CABIN C172A Flight Simulator is designed in such a way that it will fit in most normal office spaces. For installation it is recommended to have a minimum door width of 110 centimeters. All dimensions, including the cabin width, the location of the instruments on the panel, are exactly like a real analog panel Cockpit Cessna 172. This also makes it a perfect procedure trainer.

180 degrees visual

The TRC 180 Video Wall System has a FOV of 180 degrees that will enhance the immersive experience and let the user believe he is in control of an actual airplane. The 180 degree video wall systems comes with five Full HD 55 inch professional DLED IPS video wall screens connected together with an ultra narrow bezel (4 millimeters visual to visual). These screens are specifically designed to be in use 24/7. The typical panel life time is at least 60.000 hours.

Instructor Station

The instructor station desk, including 2 touch screen monitors and our TRC Touch Trainer IOS software will give you full control of the TRC4000 CABIN C172A Flight Simulator. You can control the aircraft, the weather, the position of the aircraft, engine failures and much more. It is also possible to keep track of the progress of your students using our own instructor software that is included in the package.

Low cost training

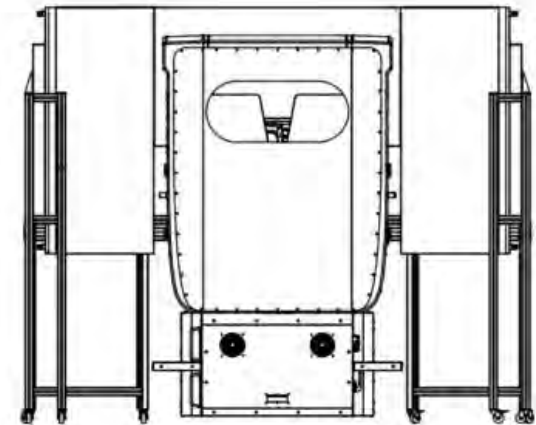
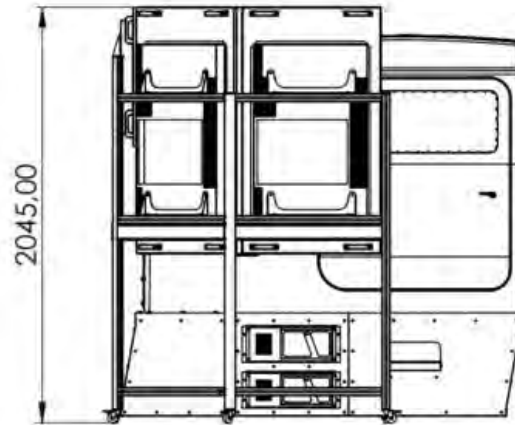
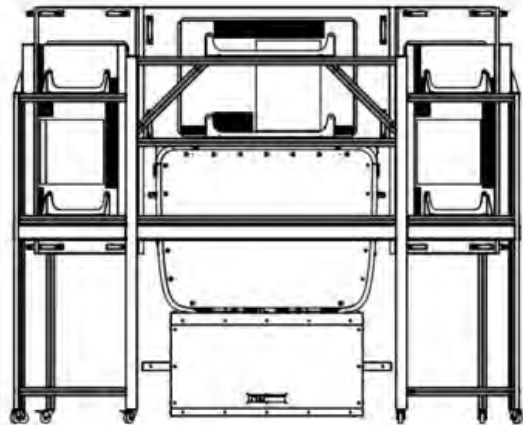
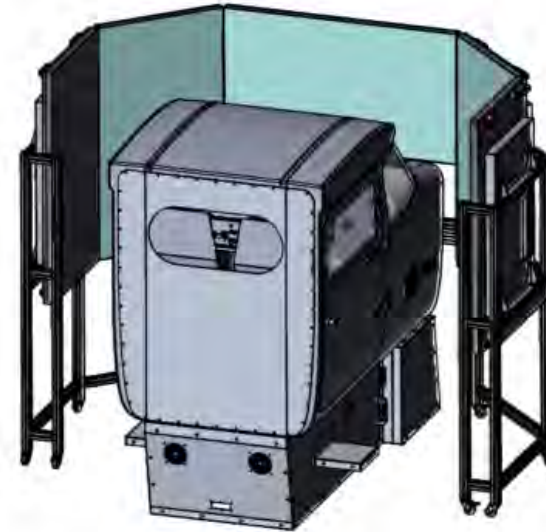
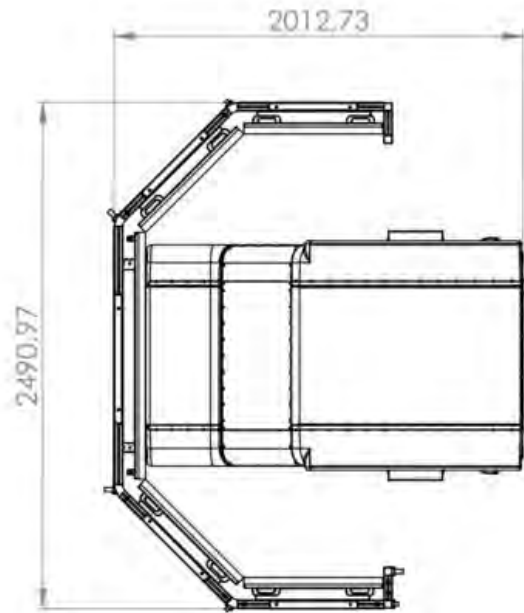
The TRC4000 system is designed in such a way that it will fit into most offices. There is no need for a designated space or building to place our simulators. Once shipped, the system will be assembled at the final location. The minimum door opening width is 110 centimeters, so a double door or a large sliding door is recommended. Assembly will take 4 hours maximum. Maintenance is very easy and uptime is average 99%.

Upgradable

The TRC4000 can be easily upgraded with control loading on both the dual yoke system as the dual rudder pedals system. Functional circuit breakers can be added, as well as additional video wall panels to achieve a 270 degrees visual system for even a more immersive view outside the cockpit. Frame rates can be upgraded from 30 to 60 frames per second by adding additional computer systems for image generation.



The TRC4000 CABIN C172A flight simulator system measurements:





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ULTRA REALISTIC FLIGHT SIMULATORS

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