

Vortex Trainer

Affordable Professional-grade Simulation Training for the Entire Classroom

Introducing the Vortex Trainer

The Vortex Trainer is CM Labs' most affordable construction crane and heavy equipment simulator. Designed for a classroom environment, the Vortex Trainer mounts conveniently on a desktop and makes it easier than ever for training organisations to deploy CM Labs' entire catalogue of lifting and earth-moving equipment training modules.

The simulator supports the simulation of the following equipment:

- lifting equipment
- tower crane
- crawler crane
- road crane in rough terrain
- crane arm
- overhead crane
- forklift (coming out this year)

Earth-moving equipment:

- backhoe loader
- excavator (front loader and motor grader)
- bulldozer (coming out this year)



Benefits:

1. SET IT UP ANYWHERE

The Vortex Trainer is so compact that it can be easily transported and installed on classroom desktops or job fair/tradeshows booths in minutes. All components, from the configurable pedals to the operator touchscreen and high-definition display, can be ergonomically positioned for optimal trainee comfort.

2. MORE TRAINEES, MORE SEAT TIME

The Vortex Trainer is a perfect complement to the more immersive Vortex Advantage. It allows learning organizations to engage novices on the Vortex Trainer and then complement with seat time on the Vortex Advantage. The result is more seat time for more trainees, and better prepared operators.

3. BUILT TO LAST

The Vortex Trainer features steel components, minimal exposed wires, and industrial-grade joysticks, steering wheels, and pedals developed by manufacturers for cranes and heavy earthmoving equipment. It's designed to provide 24/7 operations to classrooms for years of learning.



Знакомство с Vortex Trainer

1. QUICK SET-UP

The Vortex Trainer is designed to adapt to any classroom environment. Controls attach quickly to any standard desk, and height can be adjusted as needed.

2. COMPLETE WORKSITE AWARENESS

With a single display, trainees have the views they need to do the job. Special controls on the touch screen allow students to switch between "follow the hook" mode or "fixed camera" mode, as well as changing their point of view with the touchscreen controls.

3. BUILT TO LAST

Vortex Trainer controls are from the same manufacturers that provide controls for real construction cranes and vehicles. They feel and operate just like the real equipment. The Vortex Trainer is powered by a rugged industrial PC that can be positioned as needed to minimise the simulator footprint.

4. READY FOR ANY TRAINING MODULE

The Vortex Trainer provides the same field-proven learning content delivered by CM Labs on all its training solutions, from tower crane, mobile crane, and overhead crane modules, to modules for boom truck, excavator, wheel loader, and backhoe loader training. Controls and pedals can be adapted and configured accordingly.

5. OPERATOR TOUCHSCREEN

The touchscreen makes it easy for the student to log in and switch between training exercises, and also acts as the equipment computer interface, including safe load indicator (LMI/SLI), auxiliary controls, and operator's dashboard.

