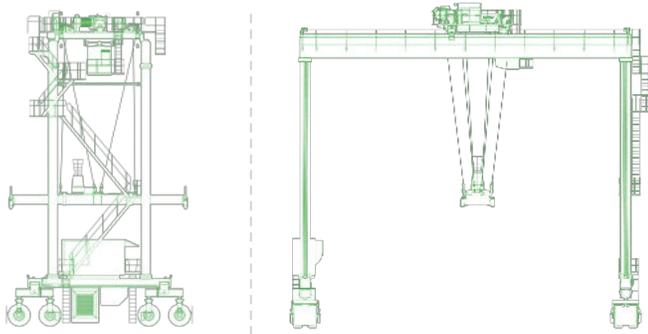


Straddle Carrier Simulator Training Pack



Overview /

Designed to run on any Vortex port equipment simulator, CM Labs' Straddle Carrier Simulator Training Pack allows trainees to rapidly acquire operational skills in a pressure-free, safe learning environment.

Simulated equipment specs /

- Stacking capacity:** 3 containers
- Load capacity:**
 - Single mode - 45 tons
 - Twin mode - 61 tons
 - Single twin - 30.5 tons

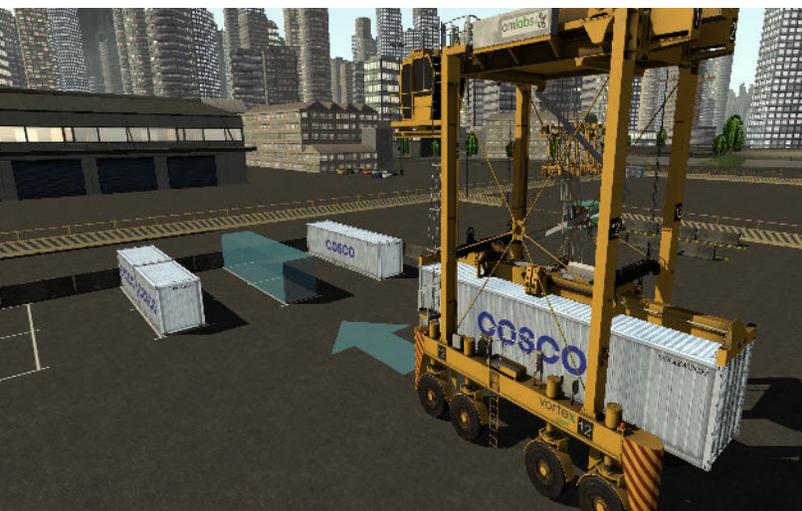
Key features & benefits /

CM Labs' Straddle Carrier Simulator Training Pack makes training available 24/7 and in all weather. Developed to run in a classroom setting in compliance with sanitizing and physical distancing requirements, it is designed to provide rapid operator readiness for operating challenges, including night-time operations and reduced visibility due to weather conditions such as fog, rain, or snow.

A progressive learning program covering driving exercises and pre-set container moving exercises, as well as an Exercise Builder that allows trainers to create unlimited exercises

Performance metrics and reporting that provide trainers with real-time feedback on operator aptitudes and habits, along with progress and overall scoring.

Best-of-class cable and lifting that ensures trainees understand how the equipment works and what is required for safe, efficient straddle carrier operations.



Smart Training Technology /

The Straddle Carrier Simulator Training Pack incorporates CM Labs' Smart Training Technology™ — resulting in a training solution that delivers the most transferable operator skills anywhere, outside the real equipment. It is the only solution on the market that can tip when the simulated equipment is cornering too fast, and that reacts realistically when it drives over a pothole or when loads are distributed unevenly.

Smart Training Technology is comprised of CM Labs' proprietary and patented algorithms, and includes real-time simulation features that are unique on the market. This means training is based on real data and real machines, and new operators reach full productivity levels up to 33% faster, according to clients.

The simulated straddle carrier can be also customised to match the characteristics of your existing quayside equipment, including hoisting speed, travel speed, joystick sensitivity, and cabin position.

With a focus that goes far beyond basic controls familiarisation, the Straddle Carrier Simulator Training Pack exposes operators to conditions that are challenging or unsafe to replicate outside the classroom.

The training pack allows trainers to introduce specific challenges at any time, including overload or uneven load distribution, proximity to personnel, and potholes.



Supported Simulator Hardware Platforms

The Straddle Carrier Simulator Training Pack can be installed on any Vortex port equipment simulator hardware, with different configurations to meet your budget, space, and training requirements. Designed for years of 24/7 operator training, Vortex simulators are built to last.

Vortex Trainer: Entry-level desktop training

Vortex Advantage: Versatile training station

Vortex Master: Complete trainee immersion



Megamax STS
Panamax STS
Mobile Harbour Crane
Ship Pedestal Crane

Internal Transfer Vehicle
Forklift
Rubber-tyred Gantry Crane
Straddle Carrier

Reach Stacker
Empty Container Handler
...more at
cm-labs.com

Learning program

Along with the driving exercises and pre-set container moving exercises that CM Labs has built in collaboration with port training programs, the training pack also delivers an Exercise Builder.

This tool allows trainers to create and edit sequences of exercises with custom parameters including different container types (20-foot, 40-foot, twin-twenty, reefer, etc.), varying container origins and destinations (specific yard coordinates, under an STS, or on a truck), and more.

Performance measurement

The Straddle Carrier Simulator Training Pack tracks all operating performance metrics during training exercises, and rolls them up into a single score that updates in real time. Port terminals and training schools can customise this scoring system to highlight their most important standards, so that new operators can ramp up even faster. Tracked metrics include:

- ✓ Number of containers moved
- ✓ Number of collisions
- ✓ Operator errors
- ✓ ... and more

Training instructors can also generate reports based on customizable scoring parameters, and review against benchmarks or past training sessions.