Digger Derrick Simulation Training Pack

Simulated Equipment Specs /

Product name:
Digger Derrick

Maximum Sheave Height:
46'6" | 14.2 m

Maximum Lift Capacity:
12,901 lbs | 5,852 kg

Boom Articulation:
-20° to 80°

Digger Radius: 18' to 26'6" |
5.5 m to 8.1 m
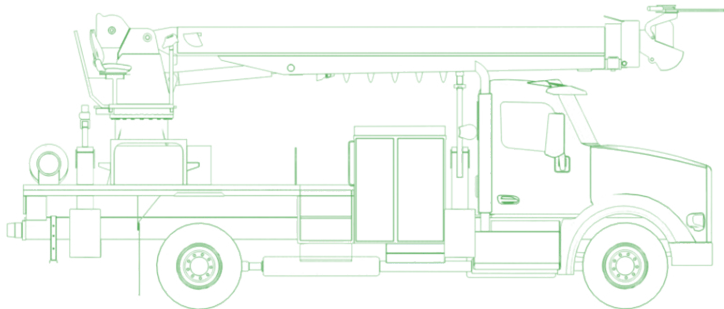
Overview /

The Digger Derrick Simulator Training Pack is the only solution that accurately replicates machine stability and engine behavior, reducing the likelihood of accidents due to tipping. Designed to support training for specialized techniques of drilling and setting poles, the learning path guides trainees through increasingly challenging tasks and includes exercises to prepare for the EICA crane certifications exam.
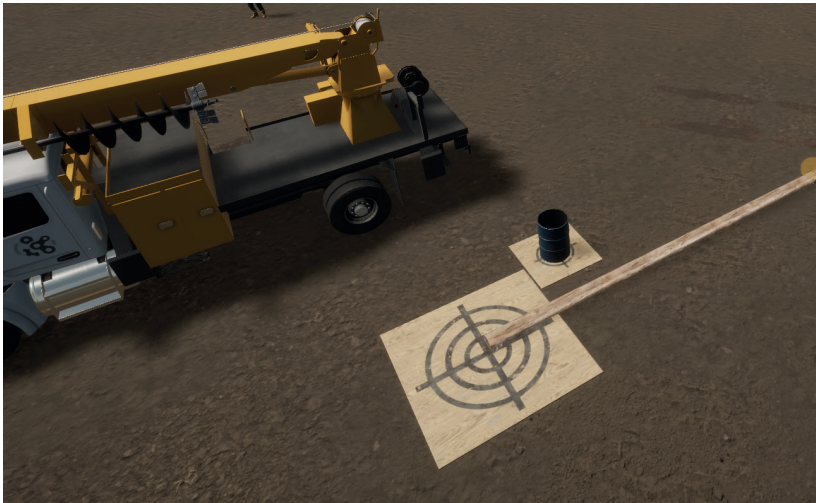
Key features & benefits /

The Digger Derrick simulator offers a rigorous program to ensure operators prepare for various real-world types of drilling scenarios and maneuvering. Part of CM Labs' range of simulated lifting machinery, it is an ideal solution for the utilities market, training schools, or organizations with a wide range of equipment in their fleet.

Progressive learning program
helps build skills and confidence, including familiarization with load. handling, precise drilling techniques, and more.

Best-in-class vehicle simulation
ensures trainees understand how the equipment works and what is required for efficient safe operations.

Performance metrics and reporting
provides trainers real-time feedback on operator aptitudes, habits, and overall scoring.

Best-in-class simulation provides real learning benefits

Through CM Labs' Smart Training Technology™, our solution is the only simulator on the market that accurately replicates machine stability - providing real-world training opportunities to help reduce the risk of accidents.

The embedded physics ensures proper drilling and pole setting techniques - the simulation of the engine, hydraulics, auger, boom deflection, cables and machine stability, are highly realistic ensuring safely steady, deliberate, and precise operations.

Composed of proprietary and patented algorithms, the Smart Training Technology™ ensures precision engineering of the simulated equipment, delivering the most transferable operator skills anywhere, outside the actual equipment.

Learning program

The Digger Derrick Simulator Training Pack features progressive learning exercises designed to gradually build skill and confidence. This curriculum is designed for EICA crane exam preparation.

- ✓ Controls familiarization
- ✓ Chain in Barrel
- ✓ Touch and Go
- ✓ Auger Control
- ✓ Pole Control
- ✓ Freeform sandbox to practice skills, creative problem solving, and good judgment

Instructors can also use the optional Instructor Operating Station to trigger unexpected weather events.

Performance measurement

The Digger Derrick Simulator Training Pack gives trainers objective insight into trainee performance and abilities. Instructors can access key performance metrics in real-time, such as:

- ✓ Safety violations
- ✓ Time to complete tasks

Reports can be generated based on customizable scoring parameters, and review against benchmarks or past training sessions.

Supported hardware platforms

The training pack runs on CM Labs' motion-enabled **Vortex Edge Max**, the fully immersive **Vortex Advantage**, and the desktop **Vortex Edge Plus**.