



Dozer Simulator Training Pack

Simulated Equipment Specs

Machine weight: 22 t (24 US t)

Engine: 152 kW (204 hp)

Hydrostatic transmission

6-way blade

Blade capacity: 4.3 m³

Oscillating tracks

Halogen working lights

Overview

With progressive exercises and detailed training metrics, the Intellia Dozer Simulator Training Pack enables trainees to quickly improve their performance and productivity in a completely risk-free environment. Exercises are designed to address novice as well as advanced operations, including scenarios that may be too rare or dangerous to easily practice on real equipment.

Key Features & Benefits

A progressive learning program

ranging from basic controls to advanced techniques that focus on operator efficiency.

Detailed performance metrics and reporting

that provide trainers with real-time feedback on operator aptitude.

Best-in-class soil and machine behavior simulation

that ensures real skills development.



A Complete Training Solution

Like all of CM Labs' solutions, the simulated dozer is engineered from the ground up, including the tracks, blade, transmission, engine, and controls. This means that the simulated machine behaves and moves just like the real thing. Trainees engage a simulated transmission and engine the moment the virtual blade touches the virtual soil, getting the same cues and sensations they would experience on real equipment. The Dozer Simulator Training Pack accurately simulates the sensation of pushing soil and aggregate materials, promoting precision operating techniques as a result. Trainees can perform both heavy excavation and fine grading with the 6-way blade, and manage their work zone by controlling the position of the dump truck. This gives trainees the opportunity to truly learn by feel within the simulated environment and gain a solid understanding of the dozer's capabilities.

Trainers can take lessons to the next level with Intellia's suite of instructor support tools, which offer next-generation reporting, trainee monitoring, and custom learning path planning features. The training pack can also be supplemented with CM Labs' optional add-on modules, including Trimble® Earthworks Grade Control, designed to address specific needs.

Dedicated to Your Training Success

CM Labs' simulators are built to last and designed for years of 24/7 operator training. The training packs are compatible with various hardware configurations, designed to fit your budget, space, and specific training needs. Choose from:

- Portable **Edge Plus** desktop series
- Compact motion-enabled **Edge Max** series
- Fully immersive **Advantage** series

Learning Outcomes

- ✓ Walkaround inspection
- ✓ Controls familiarization
- ✓ Setting correct blade angle
- ✓ Maintaining material in front of the blade
- ✓ Precise leveling
- ✓ Access road creation
- ✓ Material spreading
- ✓ Dump truck positioning
- ✓ Excavating a drainage inlet
- ✓ Excavating a transversal ditch
- ✓ Trailer loading/unloading

Performance Metrics

The training pack tracks over 20 different metrics, including:

- ✓ Completion time
- ✓ Idle time and fuel consumption
- ✓ Blade efficiency
- ✓ Track spin
- ✓ Cycle time
- ✓ Amount of material pushed
- ✓ Collisions and other safety violations
- ✓ Contact with power lines, personnel, or vehicles

Compatible Industry-Grade Controls

- ✓ Uni-directional pedals
- ✓ Left and right controls