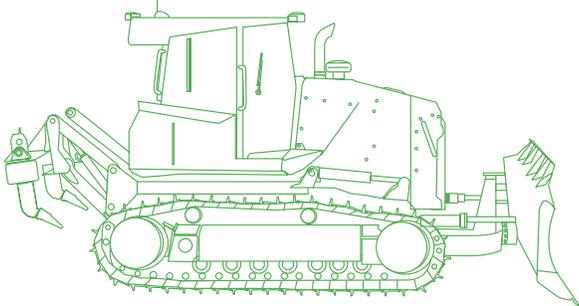


# Dozer Training Pack



## Simulated Equipment Specs

**Machine weight:** 22 t (24 US t)  
**Engine:** 152 kW (204 HP)  
**Hydrostatic transmission**  
**6-way blade**

**Blade capacity:** 4.3 m<sup>3</sup>  
**Oscillating tracks**  
**Halogen working lights**

## Overview /

From material spreading, excavating, loading, and levelling using Trimble® Earthworks Grade Control Platform, the Dozer Simulator Training Pack uses progressive exercises, on-screen tips, and built-in performance indicators; allowing trainees to learn at their own pace, or as part of an instructor-led training curriculum.

## Key features & benefits /

The Dozer Simulator Training Pack provides trainees with the unique 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 encourages the development of operator accuracy and efficiency, in an immersive, risk-free environment.

### A progressive learning program

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

### Performance metrics and reporting

that show trainees how to safely handle equipment and perform efficient dozer operations.

### Best-of-class simulation

that ensures real skills development and learning opportunities that are transferable to the real machine and not always available on real equipment.



## Best-in-class simulation provides real learning benefits

The Dozer Training Pack mimics real machine behavior including the tracks, blade, transmission, engine, and controls. It has the unique ability to engage a simulated transmission and engine the moment the virtual blade touches the virtual soil. Trainees learn proper techniques to move materials, or finish surfaces, and get a true understanding of the dozer's capabilities.

The training packs' advanced learning tools include Trimble® Earthworks Grade Control Platform which runs off a tablet that users can connect to the simulator. Visual aids are overlaid onto the existing ground along with cut/fill information, slope data and other customizable reference points to provide the user with a better understanding of the work that needs to be done.

The Dozer simulator is designed for beginner as well as advanced operators. From basic controls familiarization, trainees move on more complex techniques, providing a complete experience of driving a dozer that can be difficult or hazardous to replicate in real life.



## Supported CM Labs Hardware Platforms

The Dozer Simulator Training Pack can be installed on any CM Labs simulator hardware platform, with different configurations to meet your budget, space, and training requirements. CM Labs' simulators are built to last, designed for years of 24/7 operator training.

**Vortex Edge laptop-based instructional platform**

**Vortex Edge Plus portable single display trainer**

**Vortex Advantage with one, three, or five displays**

## Learning program

The Dozer Training Pack features progressive learning exercises—from beginner to advanced—designed to progressively teach skills and build confidence:

- ✓ Basic controls familiarization
- ✓ Setting correct blade angle
- ✓ Maintaining material in front of the blade
- ✓ Access Road Creation
- ✓ Material spreading
- ✓ Dump truck positioning
- ✓ Excavating a drainage inlet
- ✓ Excavating a transversal ditch
- ✓ Trailer loading/unloading
- ✓ Precise leveling with Trimble Earthworks

## Performance measurement

The Dozer Training Pack gives trainers objective insight into performance and abilities. Trainers can score operators on performance metrics such as:

- ✓ 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

The optional Instructor Operating Station allows instructors to generate reports from dozer training sessions, and review current and past performance.