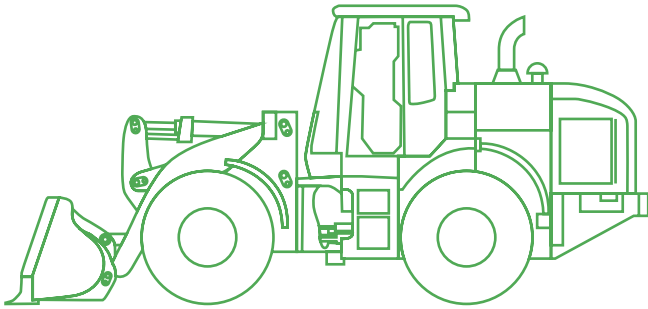


Wheel Loader Training Pack



Simulated Equipment Specs

Rated net power: 105 kW (140 HP)	Bucket capacity: 2.3 m ³ (3.0 yd ³)
Operating weight: 13,200 kg (29,101 lbs)	Transmission: 4-speed, all-wheel drive

Overview

The Intellia Wheel Loader Training Pack is part of the CM Labs construction equipment training product suite. From earthmoving and stockpile management to truck loading, operators will develop the skills, coordination, and worksite awareness they need to master safe, efficient operations.

Key Features & Benefits

With the training pack, operators gain valuable experience in safe operations, with no wear and tear to actual equipment, and no risk to themselves or others. Operators build real skills faster than they would through traditional training alone, while organizations save instructor time and reduce equipment costs.

A progressive learning program

covering basic operating skills such as maneuvering, controls handling, excavating, working with stockpiles, and truck loading.

Performance metrics and

reporting that provide trainees with feedback on their operating and earthmoving skills.

Best-in-class training

with authentic machine behavior that behaves like a real wheel loader and ensures real skills development.



A Complete Training Solution

As the most realistic simulation-based training solutions on the market, Intellia Training Packs allow novice operators to transfer their skills directly from the simulator to the real world. There is no risk of negative training, as there is with game-based simulators. The simulated wheel loader in the training pack is a composite 13-ton loader based on actual OEM machines, and includes bucket, forks, and truss boom attachments.

Precise simulation of the loader's hydraulics system and transmission ensures that trainees feel like they are driving the real thing, with realistic machine feedback at all times.

Simulation of soil digging and dumping is powered by decades of research into earthmoving simulation, and hundreds of peer-reviewed academic research papers. Trainees experience changes in hydraulic pressure, engine RPM, and terrain surface, familiarizing them with equipment performance over a full range of real-life conditions.

The result is a realistic simulation of soil flow, erosion, and compaction—trainees will feel resistance as they “dig in,” just like they would in real life.

The optional *Intellia Instructor* training management allows instructors to generate reports from training sessions, create learning paths, trigger live faults and weather challenges, and make use of many other benefits. This improves learning retention and allows instructors to save valuable time as a result of streamlined administrative functions.

Supported CM Labs Hardware Platforms

The Intellia Wheel Loader 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, and designed for years of 24/7 operator training.

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

Learning Program

The training pack features the most complete collection of progressive learning exercises on the market. Ranging from beginner to advanced, exercises are designed to safely build trainee skill and confidence:

- ✓ Walkaround inspection
- ✓ Controls familiarization
- ✓ Bucket positioning
- ✓ Earthmoving and transport
- ✓ Stockpile management
- ✓ Excavation
- ✓ Truck loading
- ✓ Attachment change with quick coupler
- ✓ Safe load handling

Performance Metrics

The training pack gives trainers objective insight into student performance and abilities. Student exercises can be recorded and played back for after-action performance review. Trainers can measure key student performance metrics such as:

- ✓ Tasks completed and time taken
- ✓ Collisions & other safety violations
- ✓ Fuel consumption, cycle time, & idle time



645 Wellington Street,
Suite 301
Montreal, Quebec,
Canada H3C 1T2

info@cm-labs.com
cm-labs.com
T +1 514 287 1166

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