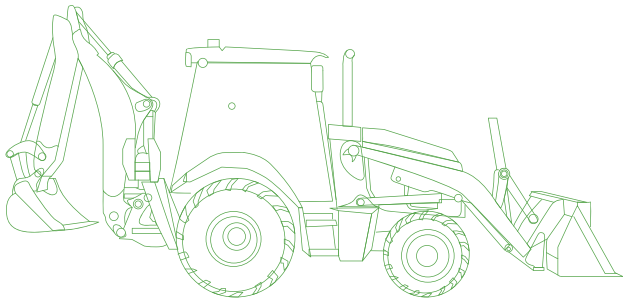


Backhoe Training Pack



Simulated Equipment Specs

Engine Power: 83 kW (111 HP)	5-speed, PowerShift transmission with clutch cutoff
Operating Weight: 8300 kg (18,298 lbs)	Mechanical Front Wheel Drive (4WD)
	Extendable Dipperstick
	Hydraulic Quick Coupler

Overview

The Intellia Backhoe Training Pack is the only training solution on the market that is capable of simulating a backhoe's backlash and instability. Thanks to this capability, it is ideal for teaching novices and apprentice operators how to leverage the flexibility of this machine and control its center of gravity for efficiency on the jobsite.

Key Features & Benefits

Trainees learn the requirements for careful, methodical operations, thanks to the looseness in the machine's linkage, which replicates that of a real backhoe. The training pack authentically simulates changes in stability and traction as tires are placed under stress by rapid movements or heavy loads—and the backhoe can even tip as a result of instability. This means novice operators can fail safely without the risk of damaging equipment or themselves.

A progressive learning program

covering basic operating skills ranging from maneuvering and controls handling to trenching, bench loading, and truck loading.

On-screen indicators and best-practice hints

enable trainees to learn at their own pace, or as part of an instructor-led training program.

Performance metrics and customizable scoring

provide an objective assessment of operator capabilities and development.



A Complete Training Solution

The training pack features a mid-sized machine that provides trainees with experience on the type of backhoe they will be operating on the majority of jobsites. With live quick coupler attachment change, trainees can switch between the bucket and loader at any time to solve any operating challenges.

Advanced learning tools include a Grade Quality Sensor (GQS) overlay that can be activated at any time during the exercise. In addition to real-time feedback on excavation height, slope, and consistency, the GQS also provides an overall excavation performance score to operators.

The progressive learning program is suitable for all training approaches—whether as a quick refresher, a one-week training session, or a course that lasts several months.



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 Backhoe 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
- ✓ Loading and unloading from trailer
- ✓ Bucket positioning
- ✓ Earthmoving and transport
- ✓ Stockpile management
- ✓ Excavation and grading
- ✓ Truck loading
- ✓ Attachment change with quick coupler

Performance Metrics

Only with CM Labs metrics will instructors gain valuable objective insight into operator performance and abilities, such as:

- ✓ Completion time
- ✓ Movement efficiency & accuracy
- ✓ Safety violations, including collisions and shock loads
- ✓ Fuel consumption, cycle time, and idle time
- ✓ Volume of material excavated per bucket load and in total



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