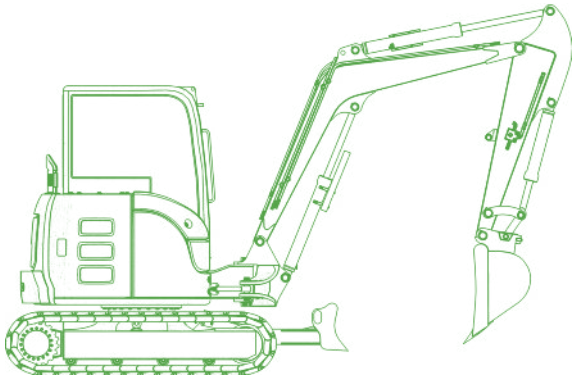


Mini Excavator Simulator Training Pack



Simulated Equipment Specs

- Net Rated Power:** 26.8 kW (36 hp)
- Max Idling Speed:** 2400 RPM
- Min Idling Speed:** 1300 RPM
- Top Speed:** 4.2 km/h (2.6 mph)
- Operating Weight:** 5 metric tons (5.5 US tons)
- Mean Contact Pressure:** 28.3 kPA (4.1 psi)
- Bucket Digging Force:** 36.8 kN (8272.9 lbf)
- Lifting Capacity:** front: 2511 kg (5535 lbs) & side: 1150 kg (2535 lbs)

Overview

The Intellia Mini Excavator Simulator Training Pack is the world's first dedicated solution for training operators to handle the specific challenges of operating a mini excavator. In this training pack, the equipment's unique tipping risks and machine behavior—including hydraulics, transmission, engine torque curves, and vibrations—are meticulously recreated in high detail for an unparalleled training experience.

Key Features & Benefits

The Mini Excavator Simulator Training Pack sets a new standard in training. By focusing on critical aspects of safe operation, including underground utility line work, it develops operators who are safety-minded and thoroughly prepared for the challenges of a real worksite.

Beginner-friendly instruction

fully prepares trainees in a safe and risk-free environment

Underground utility lines

included in simulated exercises provide unmatched advanced safety training

In-exercise teachable moments

catch mistakes and offer guidance to avoid negative training and promote student autonomy



A Complete Training Solution

Using the detailed soil simulation and authentic machine behavior CM Labs is known for, the Mini Excavator Simulator Training Pack ensures that the simulated equipment and environment behave just like the real thing. This high level of realism includes critical elements such as the mini excavator's unique tipping behavior, an essential aspect of mini excavator safety training. As a result, trainees build the muscle memory and critical thinking skills they need to stay safe and work efficiently.

The training pack also features an expert-designed curriculum that guides trainees from beginner lessons, such as walkaround inspection and controls familiarization, to advanced scenarios too dangerous to practice on real equipment. It is the only solution of its kind that includes training on digging around underground utilities—one of the most hazardous tasks in the field.

The Mini Excavator Simulator Training Pack joins the ranks of CM Labs' extensive portfolio of utilities and construction offerings—including the world's only digger derrick and boom truck simulation training solutions—for a complete equipment library that can be run from a single simulator.

Trainers can also take lessons to the next level with Intellia Instructor. Designed to help organizations scale their training efforts, Intellia Instructor offers sophisticated report generation, customizable learning paths, live faults and weather challenges, and streamlined administrative functions. Uncoupled and untethered from a teaching station, Intellia Instructor enhances the flexibility and effectiveness of training sessions. Instructors can monitor multiple trainees in real time via tablet, allowing them to walk among trainees and offer guidance while keeping a close eye on each individual's performance.

Supported CM Labs Hardware Platforms

CM Labs' simulators are built to last and designed for years of 24/7 operator training. The training pack can be installed on the following hardware platforms, with different configurations available to meet your budget, space, and training requirements:

- Portable Edge Plus series
- Compact Edge Max series
- Immersive Advantage series

Learning Program

The training pack features progressive learning exercises—from beginner to advanced—designed to gradually build trainee skill and confidence.

Learning outcomes include:

- ✓ Walkaround inspection
- ✓ Controls familiarization
- ✓ Working around utility lines above & below ground
- ✓ Loading/unloading from trailers
- ✓ Side loading
- ✓ Digging & grading techniques
- ✓ Safety protocols for working in high-traffic areas
- ✓ Freeform sandbox to practice skills & problem-solving

Performance Metrics

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

- ✓ Safety violations, including load over human & vehicle, underground utility line break, and vehicle flip over
- ✓ Average speed
- ✓ Bucket fill percentage
- ✓ Soil spillage
- ✓ Idle time