



# Mini Excavator Simulator Training Pack

## Simulated Equipment Specs

---

- Net Rated Power:** 26.8 kW (36 hp)
- Max Idling Speed:** 2,400 RPM
- Min Idling Speed:** 1,300 RPM
- Top Speed:** 4.2 km/h (2.6 mph)
- Operating Weight:** 5 t (5.5 US tn)
- Mean Contact Pressure:** 28.3 kPa (4.1 psi)
- Bucket Digging Force:** 36.8 kN (8,272.9 lbf)
- Lifting Capacity:** front: 2 511 kg (5,535 lbs)  
side: 1 150 kg (2,535 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. 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.

## Key Features & Benefits

---

### 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 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 take also 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.



## 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

- ✓ Familiarity with machine controls and functions
- ✓ Operating the machine safely around overhead and underground utilities
- ✓ Following proper procedures when loading and unloading the machine from trailers
- ✓ Executing digging and grading techniques with attention to accuracy, efficiency, and equipment care
- ✓ Applying safety protocols in high-traffic environments
- ✓ Ensuring coordination with surrounding personnel and vehicles

## Performance Metrics

The training pack tracks over 20 different metrics, including:

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

## Compatible Industry-Grade Controls

- ✓ Cobra joystick controls