

BACKHOE LOADER SIMULATOR



VR Compatibility



Lessons and Scenarios

Our simulators include many scenarios as construction machinery recognition, safety measures and advanced using techniques.

- Construction machinery introduction
- Gauges introduction
- Joysticks introduction
- Attachments introduction
- Safety precautions
- Driving and maneuvering techniques
- Moving, stopping and parking
- Lifting applications
- Loading applications
- Scraping applications

Our simulation software allows rapid transition to any working conditions for all scenarios.

- Various terrain conditions
- Various load types
- Various floor conditions
- Various weather conditions
- Various working hours

Monitoring and Reporting

Our simulation software reports all parameters related to evolution of operator.

- Quantity of work
- Duration of work
- Fuel consumption
- Occupational parameters
- Combined parameters



S-LINE 3DOF Motion System



- Portable and lightweight system
- 3DOF motion platform

- Adjustable seat with safety belt and armsets
- Original joystick, pedals and hardware

Minimum System Requirements

Intel(R) Core(TM) i5 | 4 GB Ram | 120 GB SSD Harddisk | NVIDIA GeForce GT1X1050
Windows 7 Pro 64 | Wireless Combo keyboard+Mouse

Physical Dimensions

(Tv and Kiosk Included Dimensions)

LxWxH 240x157x184cm

Electrical Specifications(W)

Power Supply: 220VAC, 13,7A(Peak)

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Features

- Modern 3D graphics
- Realistic physics
- Realistic engine rpm, torque and hydraulic pressure calculations
- Accurate vehicle transmission simulations
- Different set of attachments for the vehicles
- Terrain deformation
- Detailed reporting
- Multiple external camera options for the trainer
- Different times of day, work at night selectable by the trainer
- Rich selection of lessons to cover all important aspects of the regarding vehicle
- Touch screen inputs or full cabin with complete set of physical inputs option
- Realistic physical vehicle pedals, levers and buttons
- 3DOF or 6DOF motion feedback options
- Virtual reality support for both Oculus and HTC
- Different screen configurations
- Physical gauges

Risk & Cost Free Tools by SANLAB Simulation

- ⊖ Fuel Costs
- ⊖ Accident Risks to Staff
- ⊖ Occupational Safety Risk
- ⊖ Operating Costs
- ⊖ Maintenance Costs
- ⊖ Machine Downtime
- ⊖ Equipment Damage
- ⊖ Weather Restrictions
- ⊖ Worksite Restrictions
- ⊖ Emission

Reporting

At the end of every training session, a report is created and recorded. This report includes trainer name, trainee name, date, name of the training lesson, successes and mistakes of the trainee as well as spent time and fuel. These reports can be accessed any time and can be printed directly within the simulator software.

Backhoe Loader Lessons

- | | | | | |
|----------------|-------------------------|-----------------------|------------------|----------------|
| ▶ Slalom | ▶ Balls on Cones | ▶ Lowbed Loading | ▶ Soil Loading | ▶ Rock Loading |
| ▶ Hill Driving | ▶ Bucket Path Following | ▶ Quick Attachment | ▶ Object Loading | ▶ Trenching |
| ▶ Ghost Bucket | ▶ Digging | ▶ Breaker Positioning | ▶ Fork Loading | |

