

 **QUAKELOGIC**

QL-5in1 Simulator

MULTI-EQUIPMENT CONSTRUCTION TRAINING



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- The QL-5in1 Simulator is a multi-equipment construction training simulator designed for vocational schools, technical training centers, construction workforce programs, and operator training environments. The system provides a realistic operator training platform for multiple construction machines within a single simulator station – combining physical controls, large-format visual display, training software, instructor tools, and curriculum support to help trainees develop machine operation skills in a safe and controlled environment.

Who It's For

- Vocational schools, technical training centers, construction workforce programs, and operator training environments

Training Levels

- Suitable for beginner, intermediate, and advanced training applications requiring hands-on practice

Core Value

- Safe, controlled environment for trainees to develop real machine operation skills before entering the field



Five Equipment Types in One Platform:

✓ Excavator:

- Tracked and wheeled excavator operation including digging, trenching, loading, positioning, and control coordination exercises.

✓ Compact Track Loader:

- Forward and reverse driving, bucket control, material handling, jobsite maneuvering, and loading and unloading exercises.

✓ Articulated Dump Truck:

- Steering and maneuvering, hauling operations, dumping procedures, jobsite transportation tasks, and safe driving practice.

✓ Dozer:

- Blade control, grading practice, pushing material, site preparation, and basic earthmoving exercises.

✓ Telehandler:

- Boom control, load lifting and placement, fork positioning, material handling, and safe operating procedures.



Operator Station & Training System:

Component	Description
• Display:	• 1 × 65-inch display
• Controls:	• Joystick, pedals, and steering wheel
• Operator Station:	• Seated simulator training station
• Simulation Computer:	• Integrated computer system for simulator operation
• Training Software:	• Multi-equipment construction training simulation software
• Curriculum Tools:	• Curriculum simulation hub and training management support
• Instructor Interface:	• Instructor tablet support
• Connectivity:	• Connected training and remote support functions



Training & Curriculum System:

The QL-5in1 is designed not only as a hardware simulator, but as a structured training solution.

- The system includes: Curriculum Simulation Hub, Training Management Tool, Perpetual license per operator station Instructor and Admin access, Trainee progress support, Online curriculum access, Remote training functionality, AI-assisted learning support, Virtual training and support visits
- Instructors can manage training activities, monitor student progress, and organize equipment-specific training exercises.



Crew Training & Remote Support:

Multi-Station Crew Training:

- The QL-5in1 Simulator can be configured for multi-station crew training, allowing multiple operator stations to be used simultaneously. In a three-station configuration, trainees may operate different equipment types at the same time — supporting coordinated jobsite training scenarios.

Trainee 1:

- Excavator

Trainee 2:

- Dozer

Trainee 3:

- Dump Truck

- This develops communication, coordination, workflow understanding, and safe jobsite operation skills across the crew.

Remote Installation & Training Support:

- The QL-5in1 includes remote support options for installation, system setup, and user training. On-site delivery and installation can also be provided depending on project requirements.

- **Remote Installation Guidance:**

- Step-by-step remote assistance for system setup and configuration

- **Instructor Orientation:**

- Initial software setup assistance and instructor onboarding

- **Operator Training:**

- Basic operator training and troubleshooting support included



Warranty, Support & System Benefits:

- **One-Year Simulator Warranty**

- Hardware, technical, and labor support included from system startup

- **Ongoing Technical Support**

- Security updates, connectivity support, and manufacturer parts warranty

- **Annual Service Options**

- Software and curriculum updates, upgrades, and computer system upgrade support available

- **Suitable For:**

- Vocational and technical schools
- Construction craft laborer training programs
- Heavy equipment operator training
- Workforce development centers
- Safety training programs Pre-employment operator familiarization
- Construction equipment training labs

- **Improved Trainee Safety**

- Reduces risk during basic skill development — no real machine exposure until trainees are ready

- **Multi Equipment Platform**

- Five equipment types supported in one training station — maximizing program value

- **Repeatable Exercises**

- Allows unlimited practice repetitions without equipment wear, fuel usage, or jobsite risk

- **Individual & Crew Training**

- Supports both solo operator development and coordinated multi-trainee crew scenarios

Transforming Construction Training with QuakeLogic Excellence

Corporate Headquarters

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Direct access for technical support, simulator integration, and training system guidance.

Available Monday - Friday, 9 AM - 5 PM PST

Strategic Inquiries

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For construction training simulators, operator training systems, workforce development projects, and advanced simulation solutions.

Our Commitment to Advanced Construction Training Excellence

Safe Operator Skill Development

Providing realistic construction equipment training in a controlled environment, helping trainees build confidence before operating real machines in the field.

Multi-Equipment Training Technology

Delivering five major construction equipment simulations within a single operator station, maximizing training flexibility and program value.

Dedicated Training Program Support

Supporting instructors with curriculum tools, trainee progress management, remote training assistance, and long-term system support.

Explore Our Construction Simulation Solutions



Scan to Explore Multi-Equipment Training Systems

Discover how QuakeLogic's construction simulator solutions support safe operator development, realistic equipment practice, and structured workforce training programs.

Learn more about simulator capabilities, configurations, and training integration options

www.quakelogic.net