PALFINGER

TAKING OPERATOR TRAINING TO THE NEXT LEVEL

LIFETIME EXCELLENCE

VR1

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VR1

Our operators are masters of their craft. VR1 serves as their ally in honing and enhancing these skills, propelling them to even greater heights of OPERATOR EXCELLENCE.

As a premium manufacturer of the most-advanced lifting solutions on the market, we aim to provide more than just the best tools for the job. We also want to ensure that our customers can always use these tools quickly and effectively in every situation. That's why PALFINGER VR1 training simulators are developed to allow crane operators to gain experience in a completely safe environment. New operators can easily grasp the basics, while professionals can practice complex tasks in challenging scenarios or explore the latest attachments, functions, and features.

With VR1, we offer what is essentially a complete crane in a box. All necessary hardware is packed into a convenient travel case. Realistic operating experience is ensured using an original Palcom P7 remote control combined with true-to-life crane behavior and cutting-edge VR technology. This gives every user the sensation of operating an actual crane.

What arm position is required to reach a target above an interfering edge? How can the swinging motion of the load be minimized? What does it mean to operate in different environments?

In several high-resolution scenarios, VR1 provides the full range of challenges necessary to transform beginners into experts — and experts into professionals. All of this is accessible at any time, without disrupting your day-to-day operations in the real world and in an absolutely safe environment. There's no risk of additional costs due to accidents, damage to the surroundings or the machine. Plus, fuel costs and machine wear and tear are things of the past. The simulation includes guided training lessons, so there is no need for a dedicated instructor during the training.

Simply put on the VR goggles and dive into a secure training space to achieve excellence in your real-world tasks!

That's our commitment to lift up your operations to gain OPERATOR EXCELLENCE.

WATCH VIDEO

BENEFITS
OF VR-TRAINING

HIGHER EFFECTIVENESS

- Optimally trained operators & no limitations in training time
- Step-by-step training for high productivity
- Extreme circumstances can be trained
- New features and functions can be experienced beforehand and without needing a physical machine

COST EFFICIENCY

- Daily business keeps on running — real trucks and cranes can fullfill their daily jobs
- No wear and tear, no damage, and no fuel costs
- Experienced employees are not kept from their work in order to train others
- Increased VR training leads to more-confident operation and fewer incidents

RISK REDUCTION & SAFETY

- No accidents, no damage
- Training for emergency scenarios
- Influence of fatigue or distraction can be demonstrated

SUSTAINABLE FOR OPERATOR AND OWNER

- Optimally prepared operators
- Intensive & immersive learning experience — impressions close to reality.
- Always at the cutting edge of technology

Training on actual equipment is indispensable and will always be a cornerstone of our approach. However, virtual training augments this by addressing scenarios that are challenging to replicate in real life — offering risk-free experiences, cost efficiency, and leveraging the latest technology!

OVERVIEW
VR1 TRAINING SIMULATOR

Our VR1 training simulator consists of an all-in-one package containing everything needed to be up and running in minutes. Updates over the web make sure that the latest content is always available.

SOFTWARE

- PALFINGER original loader crane models
- Different high-fidelity scenarios, close to reality
- Various loads, load attachments, and crane accessories
- Remotely updateable content

HARDWARE

- Lightweight and secure transport system
- Original PALFINGER premium radio remote control system
- High-performance notebook
- Latest virtual reality technology
- Accessories such as lightweight tripods and disinfectant

Previews of high-resolution in-game scenarios

INFORMATION AND QUOTATION

Request a quote through our website: www.palfinger.com/vr1

For detailed questions, honest feedback, or a chat with the development team about wishes, ideas and improvements, please send an email to: **xr@palfinger.com**

We continually strive to develop new models and features and to include the latest technological developments. Email us to stay updated with the latest news

DELIVERY SCOPE IN DETAIL:
TRAINING HARDWARE AND SOFTWARE

FULL HARDWARE PACKAGE

Lightweight and highly stable transport system:
- Weighs less than 23 kg and ships without surcharge on the most-common airlines
- Protected from dust, dirt, shocks, and liquids
- The transport case is not needed for operation and can be stored in the warehouse

High performance notebook:
- High-performance lightweight notebook with top components for superior visual quality
- HDMI interface for attaching an external display such as a screen, projector, video wall, etc.

Latest virtual reality technology
- Top range VR goggles for a high-resolution and low-latency virtual presence
- VR accessories like VR controllers, tracker (mounted on the Palcom P7 radio remote control), lighthouse cubes, power supplies, and cables
- Hygienic leather cover, disinfection spray, and cleaning wipe

Original PALFINGER premium radio remote control system
- Palcom P7 radio remote control available in an 8 linear lever or 3x3 axis joystick variant
- Two radio remote control battery packs and battery charger
- Original ergonomic diagonal belt

Accessories
- Two lightweight tripods for fast/temporary setups
- Two wall mounting brackets for fixed/stationary setups
- Power bank for recharging the VR tracker during operation

VR1

FULL SOFTWARE PACKAGE

PALFINGER original loader crane models
- PK 135.002 TEC 7: the powerhouse in the large crane segment
- PK 370 TEC: the versatile all-rounder

Various realistic high-resolution scenarios
1. Inner city: steep crane operation onto two high buildings with reduced visibility
2. Construction site: lifting onto and inside a building
3. Factory hall: indoor lifting of factory equipment

Multiple loads, load attachments, and crane accessories:
- Multiple loads for each scenario
- Standard crane and fly-jib operation
- Winch operation (one- and two-strand)
- MFA (multifunctional adapter) operation

Remotely updatable content:
- Authentication via PALDESK platform
- Content platform to download new cranes, scenarios, or accessories
- Remote support and updates

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