

## Vortex Advantage. Operator Training Simulator.

### The Scalable, Affordable, All-in-one Operator Training Simulator

#### Introducing the Vortex Advantage

The Vortex Advantage construction crane and heavy equipment simulator is designed for maximum training flexibility. With options for different screen configurations, motion platform, instructor station, and hot-swappable control sets and pedals, the Vortex Advantage scales to training programs of all sizes and budgets.

The simulator supports the simulation of the following equipment:

- lifting equipment
- tower crane
- crawler crane
- road crane in rough terrain
- crane arm
- overhead crane
- forklift (coming out this year)

Earth-moving equipment:

- backhoe loader
- excavator (front loader and motor grader)
- bulldozer (coming out this year)

**vortex**  
**advantage**



BRIDGE THE LEARNING  
GAP BETWEEN THE CLASSROOM  
AND THE WORKSITE

## Benefits:

### 1. GROWS WITH YOUR NEEDS

With options to add displays, motion, and more, the Vortex Advantage is designed to grow with you, whether you're providing individual instruction or group training. The optional instructor station and classroom manager provide tools to record and manage trainee progress.

### 2. ALL-IN-ONE TRAINING PLATFORM

The Vortex Advantage is ready for training on all types of lifting and earth-moving equipment - it features equipment-specific hot-swappable control sets and pedals. The 3-screen option also rotates to replicate crane and earth-moving equipment sightlines.

### 3. BUILT TO LAST

With a robust steel frame, commercial-grade displays, professional-grade controls and industrial shock-mounted computers, the Vortex Advantage is built to last. It is designed to service classrooms and mobile trailer usage with 24-7 operations for years of learning.





## Meet the Vortex Advantage



### 1. IMMERSIVE DISPLAYS

With leading worksite visuals, the view from the cab matches the view from the seat of the actual equipment.

Select from a single-display option 3 displays, or 5 for maximum trainee engagement.

### 2. BUILT TOUGH

With rugged high-quality steel frame and parts, the Vortex Advantage is built tough for the demands of a busy classroom.

### 3. PROFESSIONAL-GRADE CONTROLS

Train many equipment types on a single simulator - with no need to shut down the simulator to change control sets or pedals.

### 4. FEEL THE MOTION

For full trainee immersion, the optional motion platform replicates the motion and vibration experienced while traveling, digging, and lifting.

### 5. OPERATOR TOUCHSCREEN

The touchscreen makes it easy for the student to log in and switch between training exercises, and also acts as the equipment computer interface, including safe load indicator (LMI/SLI), auxiliary controls, and operator's dashboard.

### 6. STREAMLINED DESIGN

Rugged industrial PCs are shock mounted inside the Vortex Advantage for 1- and 3-display options. This minimises the simulator footprint, and with no visible cables makes for the industry's only tamper-proof "plug and play" training solution.