ENDEAVOR

X2 Simulator

Immersive simulation in a compact form factor

The Endeavor X2 Simulator combines an immersive rig floor experience with realistic operator controls. Surrounded by high resolution graphics and true to life audio, the X2 Simulator provides interactive training for new and experience drillers. Combining Endeavor's industry leading computational software models, fluid dynamics and an extensive library of training modules, students will be trained to react quickly to real world incidents.

Endeavor Technologies software defines the simulation experience. Content is consistently updated to meet demands of the latest well control practices, allowing trainers and students to stay current with industry advancements. with an emphasis on industry leading graphics, students are presented with a realistic environment to complete simulations in a non-graded practice session, or in a graded scenario that meets the standards of IWCF and IADC.

To ensure that students grasp critical concepts, Endeavor takes a unique approach by randomizing malfunctions or by giving an instructor control from a remote station. This allows a true, unbiased training environment that is consistent to ad hoc incidents that can occur in the field.

In addition to individualized training, multiple students and instructors can join into a single simulation for team collaboration. Crews can be tested together to ensure compatibility prior to engaging in work environments.

As with all Endeavor Simulators, the software engine driving the simulations are consistent across all Endeavor products. This allows students to focus their learning on the most important area, the learning content so that competency can be achieved.

With the X2 Simulator, immersive simulation can solidify concepts and train students anytime, anywhere in the world.

Benefits

- Full immersion with high resolution graphics on a retractable arm

- Designed for semi - permanent installations

- Realistic joystick and switch controls to replicate real world equipment

- Networkable to integrate multiple simulations to a single instructor

- Touch screens to communicate with workers on the rig floor and initiate actions

- Interactive modules to engage students

- Customizable well plans for various geographic locations

- Graded and non-graded scenarios

- Customizable modules tailored to an organization's policies and procedures

- Optional Remote Choke Panel and/or Kiosk Station

- Consistent simulation software with the entire Endeavor product line

- Interoperability with Endeavor.One online platform for continuous professional development

Product Specifications

Package Includes

- Cyber Chair with Retractable Motorized Monitor Arm
- (4) 27" Monitors
- Left Arm Rest Integrated UI Touch Screen
- Right Arm Rest Integrated UI Touch Screen
- Driller Arm Rest Joysticks, Switches, and Buttons
- 8-Port Network Switch
- Simulation Pc
- Motorized Reclining Chair
- Cable Bundle
- Backup Power Supply
- Equipment Enclosure
- Optional: Remote Choke Panel
- Optional: Instructor Kiosk with PC and 27" Touch Screen

Cyber Chair Specifications

- 1473mm W x 1542mm D x 1568mm H
- 125 Kg
- Head Rest
- Back Rest
- Tilting Up to 35°
- Driller Armrests
- Leg Rest
- Motorized Monitor Arm
- Customized Logo Engraving
- Customized Lighting Package
- Cupholder

Choke Panel Touch Screen

- 292mm W x 8.5mm D x 201 Mm H
- Resolution: 2736 x 1824
- Touch: 10-Point Multi-Touch
- I5 Intel Core Processor
- 128gb SSD

Visual Specifications

- (4) 27" Rig Monitors
- Monitor Resolution: 1920x1080
- Rig Floor Resolution: 5760x1080
- Mast Resolution: 1920x1080

Left Arm Rest Touch Screen

- 292mm W x 8.5mm D x 201 Mm H
- Resolution: 2736 x 1824
- Touch: 10-Point Multi-Touch
- I5 Intel Core Processor
- 128gb SSD

Left Arm Rest Controls

- Multi-Axis Proportional Joystick
- Joystick Buttons

Right Arm Rest Touch Screen

- 292mm W x 8.5mm D x 201 Mm H
- Resolution: 2736 x 1824
- Touch: 10-Point Multi-Touch
- I5 Intel Core Processor
- 128gb SSD

Right Arm Rest Controls

- Multi-Axis Proportional Joystick
- Joystick Buttons

Network Specifications

- IPv4 and IPv6 Support
- 1 x 10/100/1G Ethernet

Typical Operating Voltage/Power

- 100-240v ~ 50/60Hz
- Auto Sensing Power Supply

Warranty

- One Year Standard Warranty
- Maintenance Contracts Available Annually or on Three-Year Commitments

Environmental Specification

- Operating Temperature: 0 to 40° C
- Operating Humidity: 15 to 80%
- Maximum Altitude: 3,000m

Shipping Dimensions

- 1600mm W x 1378mm D x 1600mm H
- 218 KG

*Product Specifications subject to availability

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