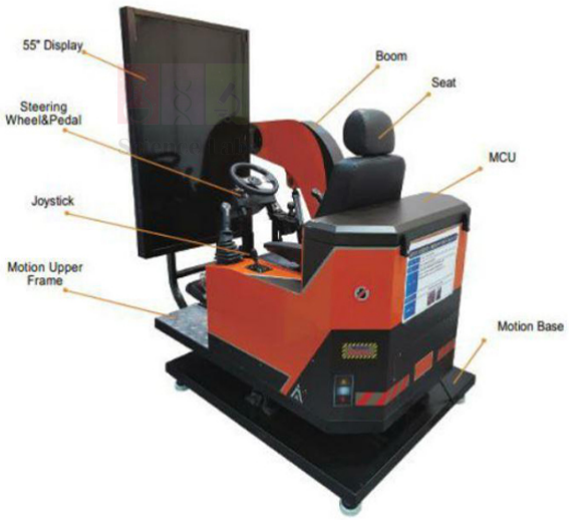
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Product Name :

Excavator VR Simulator

Product Code :

SLE/ATE/29



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Description :

The Excavator VR Simulator trains new operators to drive and dig on an orbital-type, endless-track excavator platform before they sit in a real machine. It turns through 360 degrees without limit, adds 1-axis pitch motion and uses excavator joysticklevers of the real-equipment type, with 55-inch Full HD displays.

Excavator operator simulator specifications

Parameter	Detail
Simulator type	Orbital-type, endless-track excavator simulator
Rotation	360 degree infinite rotation function
Motion	1-axis motion (pitch), for functional test training
Running lever	Orbital type, 2-axis
Operator controls	Excavator joystick levers as used in real equipment
Display	55-inch Full HD; horizontal type and vertical type both listed
Training content	Driving test and excavation test training in an actual test-site environment
Training video	For the functional exam (driving, digging)
Versions	Two excavator training simulators listed; configuration confirmed at enquiry
Product code	SLE/ATE/29
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Operator training sessions on the excavator simulator

Lever familiarisation. Trainees move one function at a time: swing, boom, arm and bucket, then the 2-axis running lever for travel. When each movement is smooth they combine two, such as boom up with swing, while the instructor watches for jerky starts and sudden stops.

Track driving. With the orbital running lever, trainees drive forward, reverse and turn around a simulated test-site course. The pitch motion lets them feel the machine tilt as it travels, which teaches them to slow down before uneven ground.

Digging, loading and the exam run. Trainees dig to a line and swing the full bucket to a spoil point, using the continuous rotation to practise smooth slewing. They then rehearse the driving and excavation tests and watch the functional exam video before a final timed attempt.

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