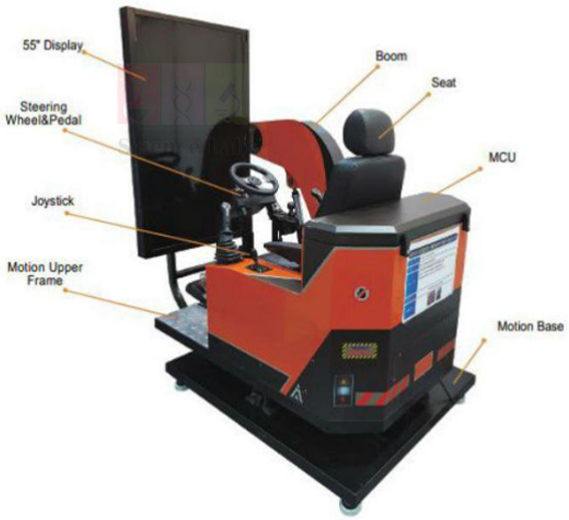
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Product Name :

Excavator VR Simulator

Product Code :

SLE/ATE/29



Email : sales@scilabexport.com
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Description :

Excavator VR Simulator (Product Code: SLE/ATE/29) is an orbital-type excavator operator simulator used to train drivers in driving and digging before they work on a real machine, in heavy equipment operator schools and vocational institutes. It combines 360-degree infinite rotation, 1-axis pitch motion and joystick levers of the kind used on real excavators with 55-inch Full HD displays. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, among its lab equipments for technical institutes.

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 simulators for excavator training are listed — confirm the configuration when enquiring
Product code	SLE/ATE/29
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Excavator VR Simulator Used For?

New operators often struggle most with coordinating boom, arm, bucket and swing at the same time. On this simulator they learn that coordination on the same style of joystick levers they will later use, with the 360-degree orbital rotation reproducing continuous slewing of the upper structure and the pitch motion giving a sense of the machine tilting as it digs or travels. Mistakes cost nothing in fuel, wear or damage, so instructors can repeat an exercise until the movement becomes natural.

Courses usually progress from track driving to trenching and loading tasks, then to rehearsal of the functional exam using the driving and digging training video and the simulated test-site scenes. Short, focused sessions work best for beginners. For a vocational institute building a heavy-machinery wing, the simulator sits well alongside technical training equipment for operators and maintenance staff.

Wha