

PAINTING SIMULATOR

VR Based Simulator

VOCATIONAL TRAINING SIMULATOR

SANLAB combines deep expertise in robotics and simulation with a customer-focused approach to deliver industry-leading vocational training simulators.

Painting Simulator provides realistic training environment powered by VR technologies, offering comprehensive performance analysis. With specially designed spray gun units, the system delivers a highly immersive experience that closely replicates real-world operations.

APPLICATIONS

- Industrial Painting Training
- Painter Skill Development
- Real-time performance evaluation

VR BASED

- Immersive experience
- Easy setup
- Future-ready



DIMENSIONS

Overall Dimensions (L-W-H)	0.37 m - 0.47 m - 0.57 m
Net Weight (product only)	95 kg
Shipping Dimensions (L-W-H)	1.00 m - 0.75 m - 1.00 m
Crate Weight (total)	145 kg
Packaging Type	Wooden crate

ADVANTAGES

- Cuts costs
- Eliminates accident risks
- Increases safety
- Lowers operating & maintenance costs
- Protects equipment
- Enables all-weather training
- No worksite required
- Eco-friendly use
- Realistic experience
- Multi-language support

STANDARD & OPTIONAL PACKS

Standard Pack is designed for the automotive industry, providing the most commonly used parts and surfaces in training scenarios.

- | | |
|--------------------|----------------------|
| • Vehicle Door | • Flat Surface |
| • Vehicle Roof | • Angled Panel |
| • Welded Component | • Vehicle Side Panel |
| • Front Bumper | • Vehicle Hood |

Optional Packs can be added to the system to expand training scenarios with models and environments tailored to specific industries. These packs can be customized according to the user's training requirements.

- | | |
|------------------|------------------|
| • Aerospace Pack | • Rail Pack |
| • Marine Pack | • Furniture Pack |

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SPECIFICATIONS

Display System	32" TV
Touch Screen	13.3" touch screen
Audio System	Surround stereo
Power Supply	220VAC
Minimum System Requirements	Intel(R) Core(TM) i7 - 32 GB Ram 120GB SSD - 512GB Harddisk - NVidia GeForce RTX 5070 Windows 11 - Wireless Combo Keyboard Mouse

HARDWARE

- Adjustable spray gun
- VR headset
- Instructor control console with touch display
- Multi-display systems

SOFTWARE

- Modern 3D graphics
- Versatile use with painting modules
- Precise tracking of parameters such as spray angle, distance, and speed
- Coating thickness analysis and defect mapping capabilities
- Interactive selection screens for painting technique, material, color, and equipment

ADVANCED MOTION TRACKING & 3D REVIEW

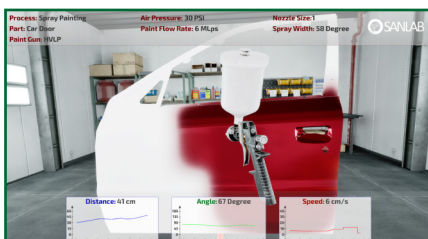
User movements are accurately tracked and evaluated based on angle, distance, and speed. The work performed during the simulation can be reviewed in 3D. Critical elements such as spray angle and distance are analyzed using color-coded visualizations. Additionally, multi-layer coating can be applied, and coating thickness can be monitored.

OPTIONS

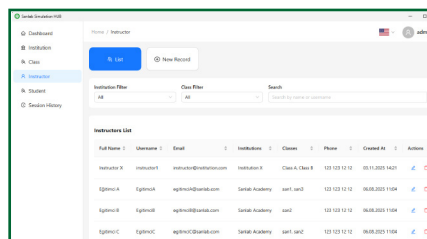
- Additional industries
- Additional models

SERVICE & SUPPORT

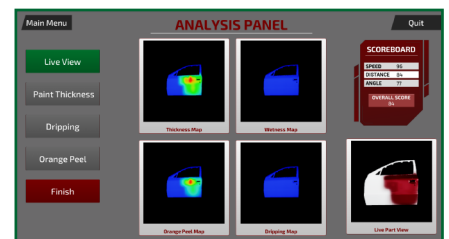
Committed to customer satisfaction, we deliver tailored support solutions designed to meet your specific operational requirements.



Performing Screen



Instructor Panel



Realtime Analysis Screen