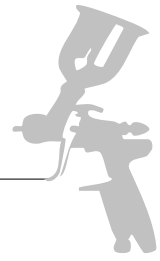# PAINTING SIMULATOR

## VR-AR-XR Based Painting Simulator

Paint simulators provide painting training in a realistic simulation environment using VR and AR technologies, offering detailed performance analysis. The system delivers a highly immersive experience through specially designed spray and sandblasting gun hand units, closely replicating real-world operations.

## APPLICATIONS

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



■ AR/VR/XR
  Painting Simulator

## ADVANTAGES

- Significant reduction in costs
- Eliminates accident risks to staff
- Improves occupational safety
- Reduces operating and maintenance costs
- Prevents equipment damage
- Allows training in any weather conditions
- Not limited by worksite availability
- Eco-friendly operation
- Realistic experience
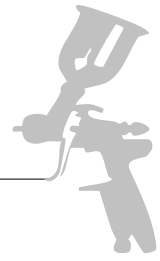- Multi-language interface

| DIMENSIONS | |
|---|---|
| Overall Dimensions (L-W-H) | 0.36 m - 0.41 m - 0.50 m |
| Shipping Dimensions | 0.62 m - 0.66 m - 0.60 m |
| Net Weight | 30 kg |
| Required Installation Space | 1.00 m - 0.70 m - 0.50 m |
| Packaging Type | Wooden crate |

## AUTOMOTIVE INDUSTRY

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

- *Models and training scenarios can be tailored for industries such as shipbuilding, aerospace.*

# PAINTING SIMULATOR

## VR-AR-XR Based Painting Simulator

| SPECIFICATIONS | |
|---|---|
| Power Supply | 220VAC , 50Hz |
| Operating Temperature Range | -30ºC to +60ºC |
| Control Interface | Touch screen, wireless keyboard |
| Display System | 13.3" touch screen,  43" TV |
| Audio System | Surround stereo |

## HARDWARE

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

## SOFTWARE

- Modern 3D graphics
- Versatile use with painting and sandblasting 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

- *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

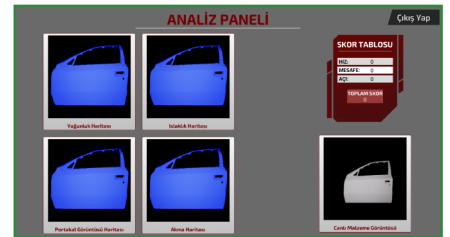- Additional industries
- Additional models

## SERVICE & SUPPORT

With a strong commitment to customer satisfaction, we provide customized support solutions tailored to specific operational needs.


*Scenario Screen*


*Painting Simulator*


*Reports*