Industrial Robot VR Expert Software

This advanced virtual reality teaching solution is specifically designed for vocational schools and higher education institutions that offer robotics-related programs. The software combines the fields of industrial robotics technology and virtual reality to create an innovative teaching platform.



It offers a rich collection of industrial robot models, providing students with abundant resources to learn about internal structures, parts, and working principles.



It incorporates a variety of tools and display content to enable students to have a fully immersive learning experience.





Users have the freedom to freely rotate or move any part within this software and also have the ability to zoom in or out for a more detailed observation.

Highlights

- Utilizes 1:1 physical robot modeling to accurately replicate the standard form of robots. By strictly adhering to standardized procedures and simulating operational steps, it ensures professionalism and standardization in teaching.
- The content design is not only comprehensive but also highly specialized, making it suitable for undergraduate-level education, particularly focusing on essential parts and transmission structures of industrial robots.
- Employs perspective view to provide clear presentations of internal structures, creating a strong sense of technology that captures students' interest in learning.
- Equipped with the leading Desktop, All-In-One Virtual Holographic Interactive Desktop providing enhanced operational experience and advanced presentation effects.
- Provides a Course-oriented VR Resource Library, allowing teachers to select resources that align with their specific course requirements.
- Resource Library encompasses structural display VR resources, principle animation display VR resources, and interactive VR resources.
- The models within the software are intricately developed down to the component level, ensuring a high level of detail and accuracy.
- The software features an in-depth showcase of the construction, principles, and conceptual descriptions of prevailing industrial robots. It provides highly detailed component resources to enhance learning and understanding.

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Modules	Component	Features
Mechanical Structure	Conposition of the industrial robot body, Main parameters and technical indicators, joint mechanism and motion axis and the cooridnate system	Including the robotic arm, actuating device , gearing, rated load, concept of working accuracy, gear etc.

Control System	Electric system, Navar, and Industrial robot kinematics	Including the coordinate system of robot, electric system, AC servo motor,and Control cabinet display etc.
Sensing System	Internal Sensor and External Sensor.	Including important internal sensor and external sensor such as photoelectic stwich,reflextice type photoelectric switch, opposite type photoelectric switch, photoelectric speed sensor,elastic sensor, resistance strain gauge

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Mechanical Fundamentals VR Instruction