Pneumatic Control VR Instruction

Designed for vocational education, undergraduate education in mechanical and equipment manufacturing disciplines, as well as the basic training of pneumatic technology in industry enterprises.



In the exploded view of the pneumatic motor, each part can be manipulated and rotated, allowing for a clearer visualization of the structural details.



By concealing certain external parts of this pneumatic motor, its internal components are instantly revealed.





To understand the function of each component within each loop, you can place them anywhere on the breadboard and refer to the accompanying diagrams and symbols

Highlights

- 150 interactive 3D premium model resources, encompassing over 90% of the essential teaching knowledge in pneumatic technology;
- Incorporation of 11 circuit construction tasks to reinforce theoretical knowledge through practical exercises;
- Compatibility with various teaching devices, including Desktop, All-In-One Virtual Holographic Interactive Desktop;
- Integration of theory and practice, providing realistic application scenarios;
- Interactive operations of all models in a three-dimensional space, providing teachers and students with a flexible teaching and learning environment;
- Pneumatic loop building model settings to facilitate personalized exploration and enhance theoretical knowledge.

Modules Component Features Modules Actuators Comprising air motors and air cylinders B Control Components Comprising relief valves, flow valves and directional valves BD models Auxilliary Components Comprising pipe connections pneumatic FRLs (pneumatic filter regulator)



Comprising dryers, gas tanks, oil degreasers, aftercoolers, air compressors



Mechanical Fundamentals VR Instruction