

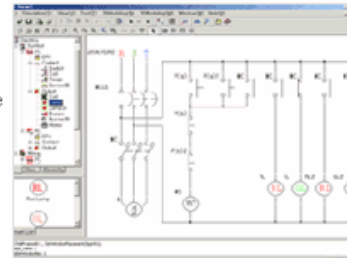
- Hydraulic&Pneumatic Simulator : **V-HPS**

| About | Case Study | Testimonial | Package |

+ About   

▣ Introduction

- Hydraulic & Pneumatic is said to be general machine components and its composition which are operated by Hydraulic & Pneumatic power induced by motor, cylinder through several control valve, pipe etc.
- V-HPS is simulation software that has application of Hydraulic & Pneumatic device and various function, contents for education



▣ Function

*** Circuit Design**

- Various Hydraulic & Pneumatic symbol
- Pure / Electric application / PLC application circuit design
- Ease and fast circuit design by Drag & Drop
- Ease 2D symbol/3D symbol conversion on screen

*** DATA Interface**

- Feature data from external CAD can be inputted without any loss of information.
- 3D/2D Modeling Data -IGES, DXF file format saving. Printing

*** SIMULATION**

- Pressure/Electric flow Display with color change.
- Circuit verification through slow execution and execution in stage.
- Time & Displacement chart function.
- Ease understanding of control through sequential motion.

*** Verification**

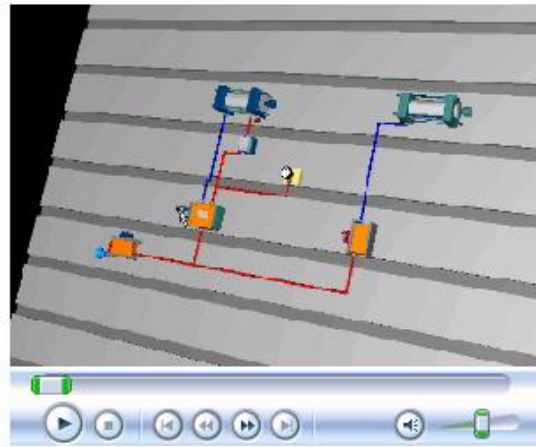
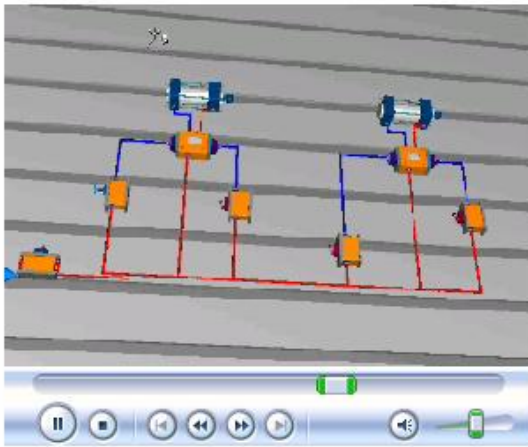
- Verification of circuit operation
- Operation status display
- Specification of pressure/electric size, velocity and force of cylinder, character of Hydraulic & Pneumatic device.
- Service unit : operation pressure
- Opening ratio of flow control valve
- Cylinder diameter and piston rod length
- Device selection suitable to actual situation
- Supplying pressure and load, calculation of air consumption, selection of tube size, searching actual product.

* Control and Watch

- Control and Watch of actual device in S/W ? Electric device connected with PLC or Digital I/O

* 3D Modeling

- 3 Dimensional positioning in Simulator
- Workspace modeling
- User definition
- Workspace library



▪ Effect

- Reducing time and cost
- Minimizing try-and-error by simulation of circuit design on computer.
- Educational training solution
- Theory and practice together.
- Replacement of expensive practical equipment.