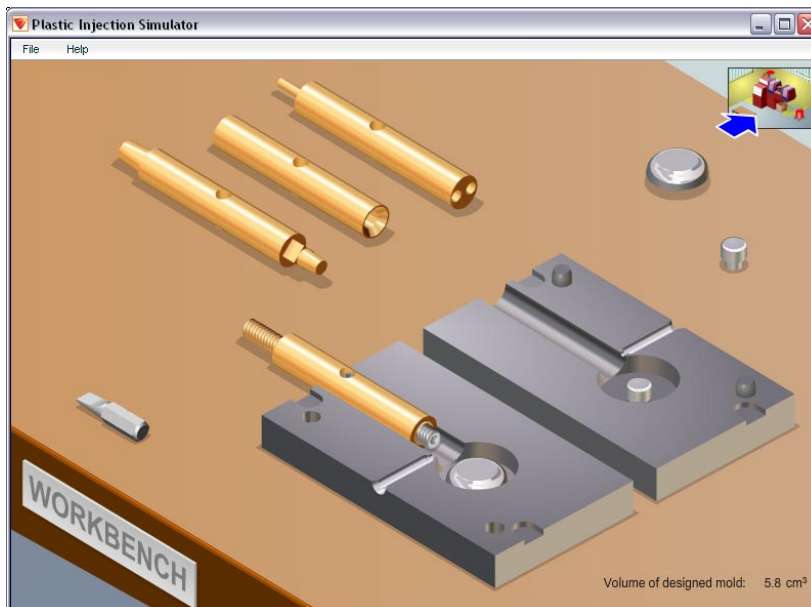
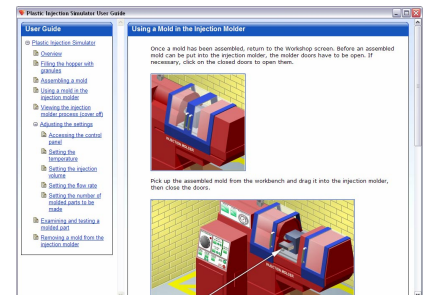




# Virtual Plastics Injection Machine



## User Guide



The simulator includes a user guide, which explains how to create a mold and how to operate the injection molder.

This interactive simulator introduces students to the concepts of injection molding.

Molds can be designed using a selection of mold inserts. The mold can be placed in an injection molder and settings such as resin temperature, injection volume and flow rate can be adjusted to create suitable moldings.

Completed moldings can be viewed and evaluated.

### Smart Mold

The smart mold can accommodate the following inserts:

- Flat End
- Screwdriver (with insert)
- Internal thread
- External thread (with insert)
- External thread (no insert)
- Internal Cylinder
- External Spikes
- Safety Cap
- Key Hollow
- Large and small disks

### Control Panel

The control panel of the molder allows students to adjust:

- Resin temperature
- Injection volume
- Flow rate
- Quantity required

It also provides feedback for:

- Hopper level
- Injection pressure
- Quantity produced

## Results

Parts made can be reviewed and evaluated. The feedback about parts includes notification of:

- Sink
- Flashing
- Under-filling
- Breakages

Parts that are sufficiently well-produced can be evaluated to see how they perform when used. Parts that can be made include:

- Door handle
- Safety Key
- Corn cob holder
- Screwdriver
- Safety stopper

## Minimum Computer Requirements

- Windows® 2000 or later
- 50 MB free hard disk space
- Flash Player v9 or later (supplied on CD)

## Languages Supported

- English (US)
- English (GB)
- Spanish

## Order as:

VMOLD1/SL Virtual Plastics Injection Machine  
Site License