

# CADMOULD®

3D-F SIMULATION



## RAPID

**STARTER SOFTWARE  
FOR INJECTION MOULDING SIMULATION**

GUARANTEES A PRODUCIBLE INJECTION MOULDED PART

### **CADMOULD® GUARANTEE** 3D-F Precision

- ✓ EXACT RESULTS
- ✓ AUTOMATIC MESHING
- ✓ FAST CALCULATION

## ■ STARTER SOFTWARE FOR INJECTION MOULDING SIMULATION

### YOUR GUARANTEE FOR PRODUCIBLE INJECTION MOULDED PLASTIC PARTS

Rapid is part of the Cadmould® 3D-F product family that has been successfully developed for over 25 years by Simcon in Germany.

Cadmould® 3D-F uses the highly precise 3D-F method, which has been specifically developed by Simcon for injection moulding simulation, making Cadmould® 3D-F the superior simulation solution.

### THE PERFORMANCE FEATURES OF RAPID

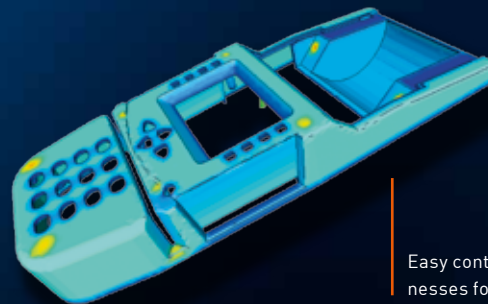
- Calculates results of the filling phase (filling pattern, pressure distribution, temperatures, flow front velocity and clamping force)
- Shows weld lines and air traps
- Visualises animated results and 3D cuts
- Determines cooling time and volume of articles
- Specifies automatically one or several suitable gating positions
- Generates automatically individually designable reports

### THE BENEFITS OF RAPID

- Avoids problems by early detection
- Easy test on a plastic-suitable design
- Fast comparison of variants
- Supplies basic data for part and tool cost calculation
- Strengthens the position during negotiations
- Proven cost and time saving

### THE ADVANTAGES OF RAPID IN THE WORK PROCESS

- Simple import of part geometries in formats STL and IGES by integrated CAD kernel (further formats available as an option)
- Integrated CAD independent adaptation of the wall thicknesses of moulded parts
- Automatic preparation of reports: HTML, MS Word®, MS PowerPoint®



Easy control of the distribution of wall thicknesses for ensuring a plastic suitable design

### AREAS OF APPLICATION:

- Product Design
- Project Management, Cost Calculation

### TYPE OF PRODUCT:

- Stand-alone software, suitable for Windows® operating systems
- Can be extended any time to further Cadmould® 3D-F modules