Simufact Forming Cold Forming serves the simulation of cold forming processes. The software covers classic processes such as extrusion and upsetting as well as stamping, drawing, hobbing, and section and thread rolling.

For this purpose the software offers the possibility to design the processes as they are in practice considering for example spring-mounted tools and tool reinforcement. You can expect reliable predictions close to reality since the simulation considers the calculation of elastic-plastic behavior as well as thermal effects in press parts and tools.

Reduced test efforts
Shorter development times
Optimized process stability
Increased die life
Utilize the advantages of Simufact Forming for your cold forming processes:

- Reduced testing effort during design and prototyping
- Shorter development times
- Optimized stage planning according to press capabilities (press force distribution of individual stages)
- Higher process understanding of complex die designs (spring supported dies, flashless precision forging)
- Optimized die life through investigation of die loads
- Correct die material selection
- Optimized design of prestressing systems
- Higher process stability and quality

Simplified operating concept

The software offers an easy, intuitive user interface. The construction of simulation models with their variety of parameters and the consideration of general conditions becomes simplified about the use of templates. Depending on the type of process the software loads typical basic settings (Application Function Sets).

The Simufact operating concept shortens the learning curve with the software and convinces in day-to-day life with high ease of use.

Simulate the entire process chain of manufacturing components with Simufact Forming: Beginning with wire drawing, followed by multistage cold forming processes, and if necessary interstage annealing and final heat treatment.

Please find a detailed description of the product functions on our websites: simufact.com