



# Cold Forming

Simulation software for cold forming processes



## 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.



Reduced test efforts  
 Shorter development times  
 Optimized process stability  
 Increased die life

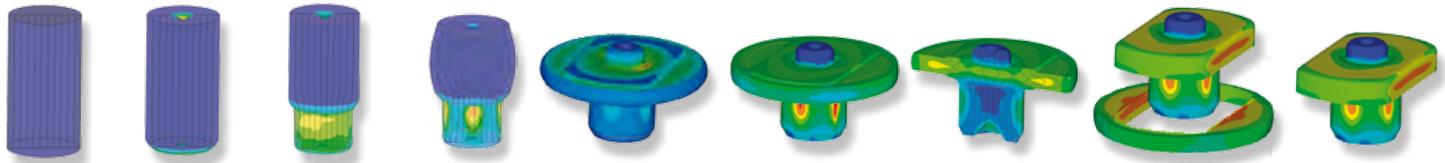
**Simufact.forming Cold Forming** enables you to avoid typical design errors such as lap formation and under-filling. The software allows you to optimize the press force distribution and the die load in the early phase of process planning. In case of manufacturing issues Simufact.forming Cold Forming helps you understand e.g. the causes of cracks and low die life and to decide for the right corrective actions.

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.



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EJOT GmbH & Co. KG

## Utilize the advantages of Simufact.forming for your cold forming processes:

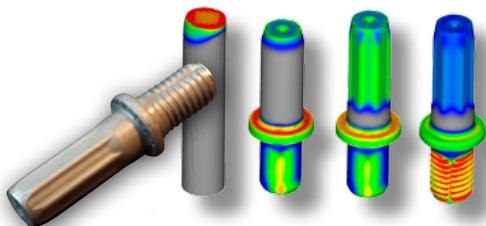
- Reduced testing effort during design and prototyping
- Shorter development times
- Optimized stage planning according to press capabilities (press force distribution of individual stages)
- Higher process understanding of complex die designs (spring supported dies, flashless precision forging)
- Optimized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

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.

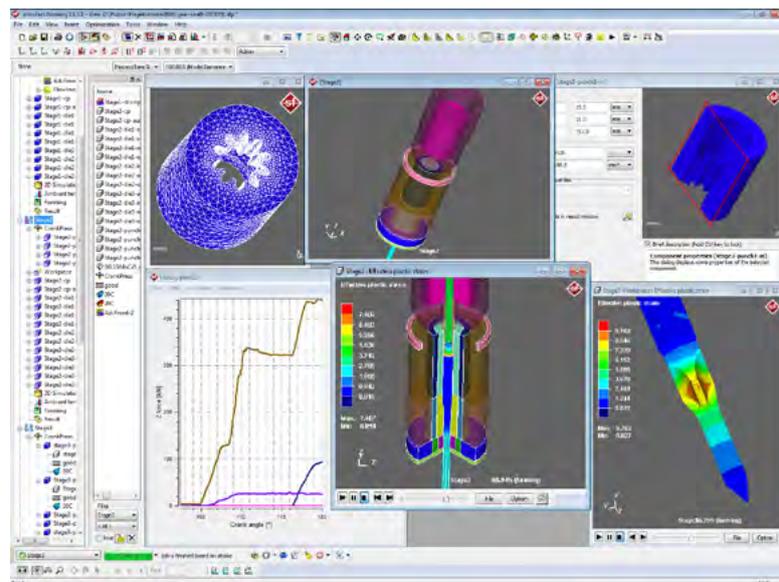
## Simplified operating concept

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.



Sieber Forming Solutions GmbH



Please find a detailed description of the product functions on our websites:  
[www.simufact.com](http://www.simufact.com)

