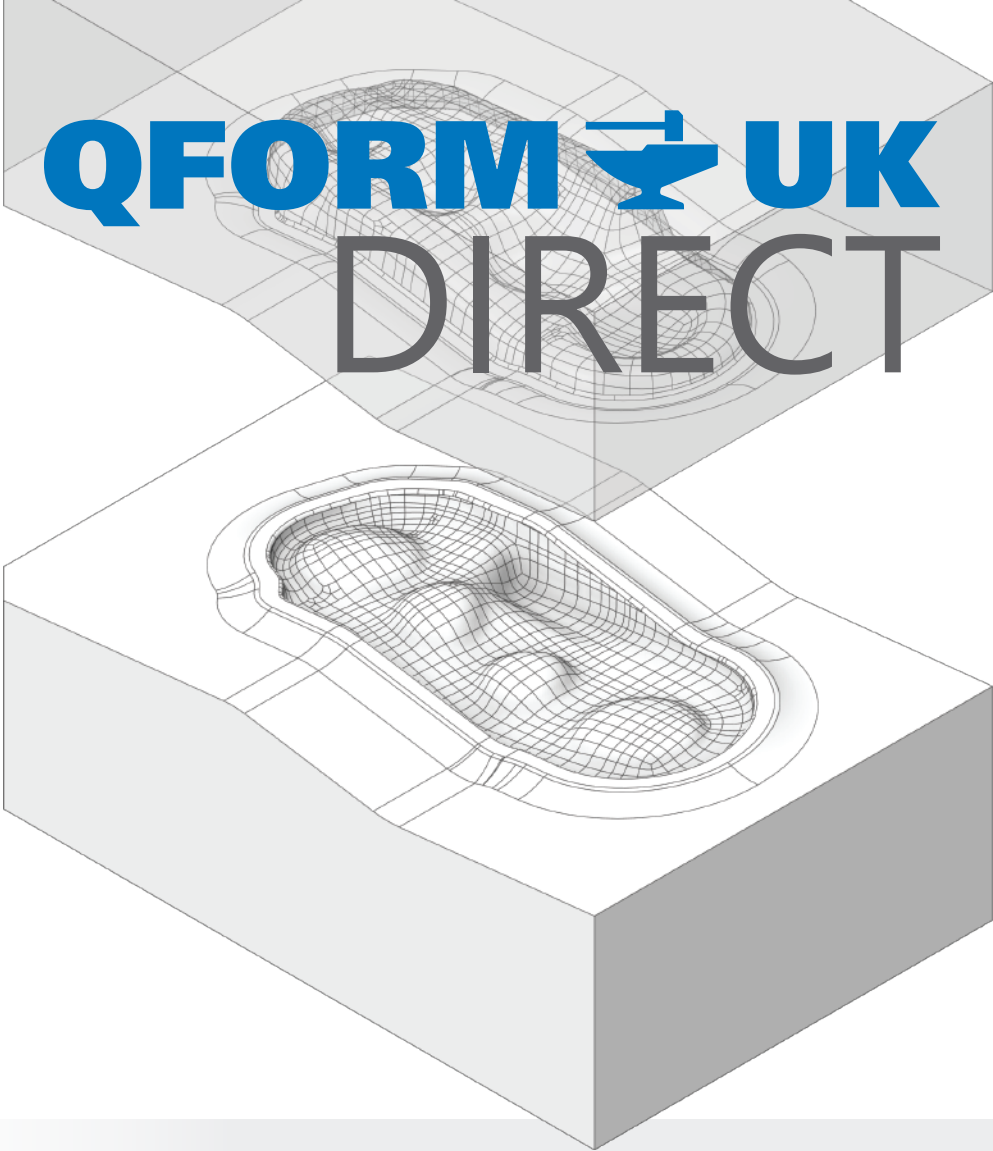


A 3D wireframe model of a forging die, showing the internal cavity and the surrounding structure. The model is rendered in a light gray color, with the wireframe lines in a darker gray. The die is shown in a perspective view, highlighting its complex, curved shape.

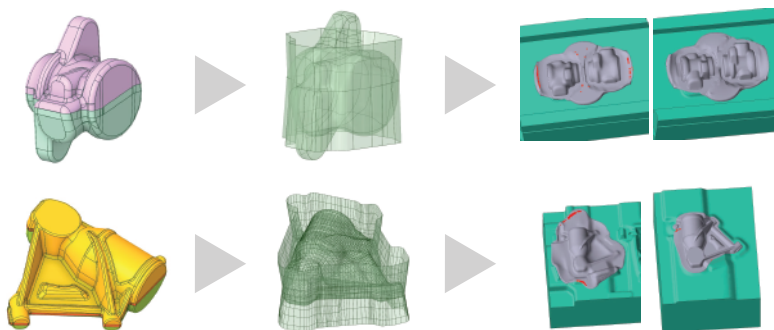
QFORM **UK** DIRECT

SYSTEM FOR AUTOMATED DESIGN OF BULK FORGING PREFORMING DIES

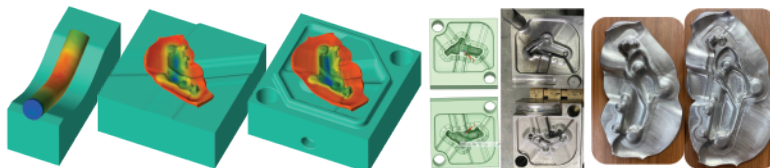
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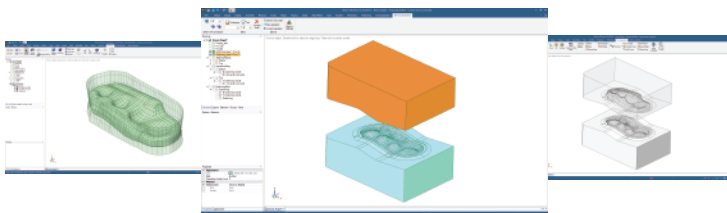
RAPID GENERATION OF PREFORMING DIES SURFACES BASED ON FINAL PRODUCT GEOMETRY



FAST VERIFICATION IN QFORM UK OF OBTAINED DEFECT-FREE TECHNOLOGICAL PROCESS



USER-FRIENDLY CONTROL OF SMOOTHING AND OFFSET PARAMETERS OF SURFACES



QForm UK - professional engineering software for design, simulation, analysis and optimization of forging and all metal forming processes.

The combination of **QForm UK** simulation software and **QForm Direct** CAD provides an efficient solution for the design, research, and optimization of closed die forging processes. It enables rapid and accurate development of forging technology by allowing users to design die geometry and immediately validate it through simulation.

The principle behind **QForm Direct** is straightforward, while its calculation methods are based on extensive scientific research and analysis. Users only need to prepare the 3D geometry of the finish forging dies and the classic practical technological parameters as initial input data. After automatic generation, the most suitable shapes can be selected for preliminary dies. The resulting full die models can be easily imported into **QForm UK** to verify and analyze the metal flow process.



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