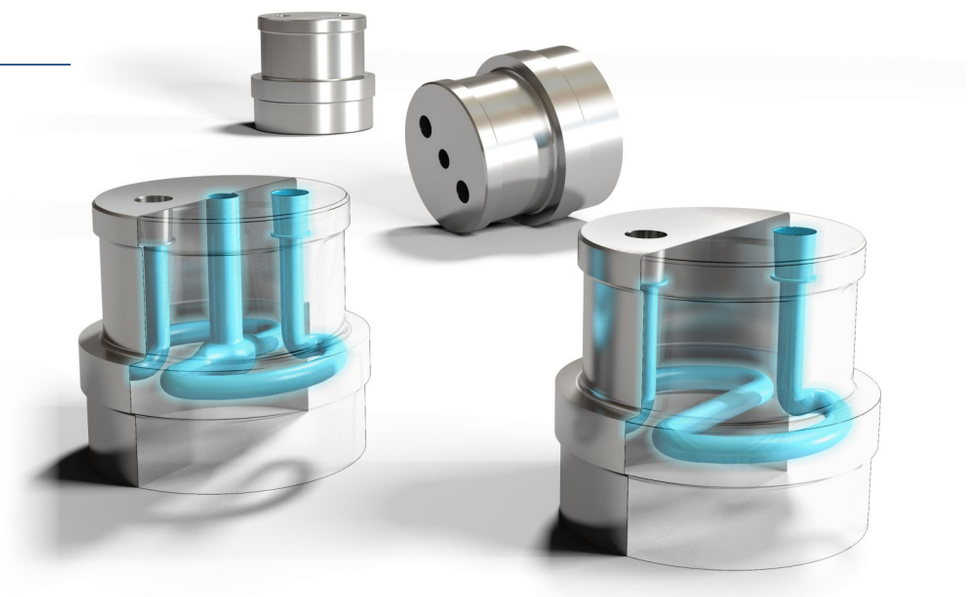
ANVILOY® 3D

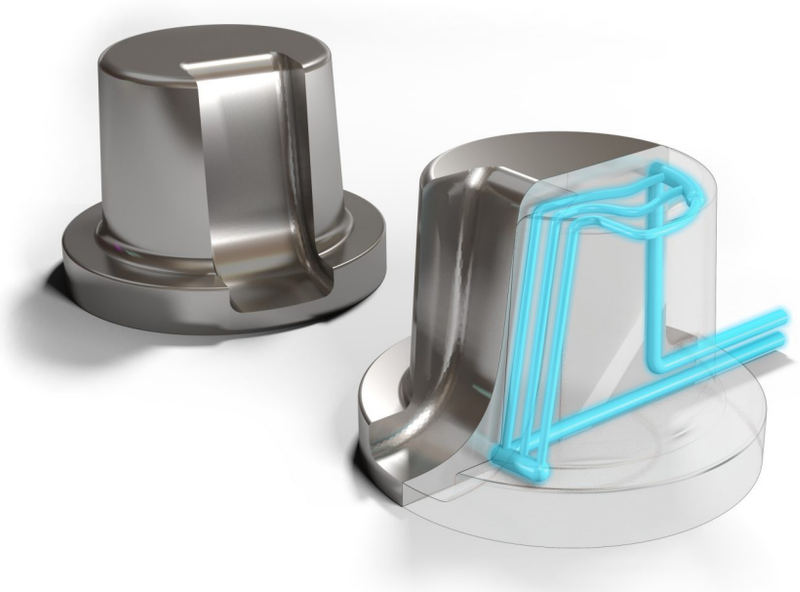
Anviloy® 3D - The conformal cooling solution

With Anviloy® 3D we can create inserts and cores with complex cooling channels. Until now, this has only been possible with tool steel using 3D printing technology.
By combining Anviloy® 3D and Anviloy® Materials, which has up to 4x higher thermal conductivity than tool steel, extreme cooling rates can be achieved. This offers many important advantages.

6 Advantages of this technology

- Precise temperature control
- Higher cooling rates
- More design options
- No more drilling necessary
- Competitive costs
- Short delivery times





6 Advantages for the customer

- Optimized cooling
- Shorter cycle times
- Less maintenance costs
- Higher cast quality
- Cost reduction
- Higher resistance against heats checks and longer lifetime

IBG GROUP

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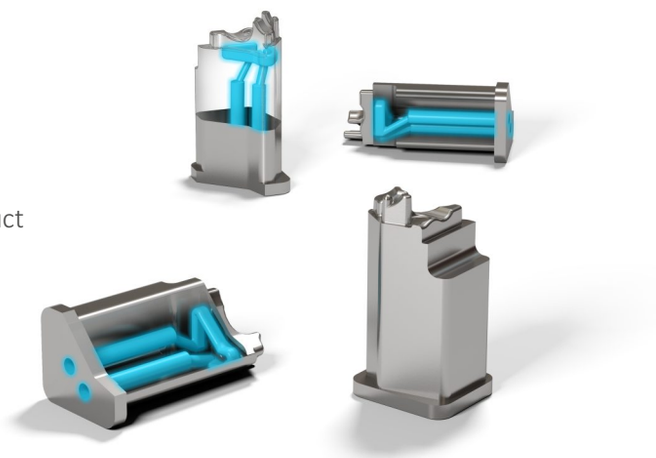
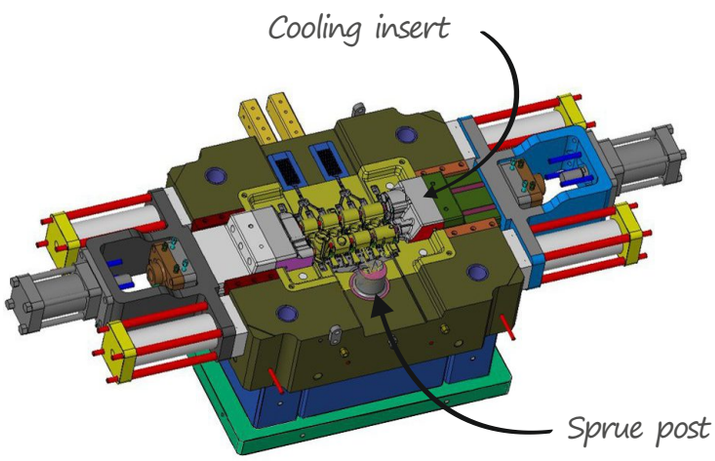
6 steps to Anviloy® 3D products

- Identify the requirements of a die
- Analyze the technical requirements for the Anviloy® 3D product
- Draft a design of the potential Anviloy® 3D product
- Create 3D data of the design
- Check feasibility and propose final design of the Anviloy® 3D product
- Order the Anviloy® 3D product





Typical Applications

- Sprue posts
- Cooling inserts
- Shot Blocks
- Combustion chamber inserts

Americas

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