

How do you reduce gas porosity in hot chamber die casting?

At the Die Casting Tech Series in Velbert, organized by Fimro GmbH, Jan Emmenegger demonstrated - through video - the physics of air entrapment and vacuum technology, as well as the benefits of vacuum-assisted hot chamber die casting.

Benefits include:

- Reduction of gas porosity
- Improved tightness
- Higher tensile strength of the castings
- Superior surface quality and appearance
- Improved filling behavior
- Reduced scrap rates and more stable processes
- Possibility for direct coating of parts
- Casting pressure can be slightly reduced

