

Zlín, May 16, 2019

A report on Jakub Huba, an author of PhD thesis

“Mold Design Concept for Injection Molding of Highly Filled Compounds”

Doctoral Thesis submitted by Jakub Huba is focused on effective solutions for injection molding of highly filled compounds based on polymeric matrix or binder. The special attention is paid to investigation of phase separation occurring during injection molding step of powder injection molding, which is the reason of up to 25 % parts wasted in this technology.

Mr Jakub Huba started to investigate the possibilities to modify the mold design to intercept the phase separation after molding step (where the material is still recyclable) under my guidance in 2013. He joined the group of PhD students working on implementation of PIM technology in the Czech industry. His task - to investigate currently the most severe issue of molding highly filled compounds - is thus a part of a broad research program carried out at the Faculty of Technology and Centre of Polymer Systems of TBU.

Jakub Huba was an active student with challenging ideas, seeking for effective solutions. He is oriented more practically, than theoretically. During his PhD study at Tomas Bata University in Zlín he joined and became valuable member of the strategic projects. e.g. international project CORNET focused of smart NFR systems.

His thesis presents starting experimental approach in the field of research oriented on injection molding of highly filled compounds. By this thesis Mr Jakub Huba demonstrates his ability to conduct original scientific research at a satisfactory level.



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Supervisor