

Temperature development during the leather shaving process

A. Mondschein¹, **T. Witt**², P. Küchler³

¹ FILK gGmbH, Freiberg, Germany

² TU Dresden, Faculty of Mechanical Science and Engineering, Dresden, Germany

³ Heusch GmbH & Co. KG, Aachen, Germany

Content

Heating occurs during separation processes. This is undisputed and known from other manufacturing processes. But how does it affect the leather shaving process? Is the heat transferred into the leather, into the shaving chips or into the machine itself? There are many assumptions and only a few well-founded statements regarding these questions and their consequences.

An ongoing collaboration project of Heusch GmbH, FILK Freiberg and TU Dresden is dedicated to this topic. Based on a machine analysis, the presentation will continue with a description of the cutting process. This will be followed by the presentation of measuring results with different measuring principles. Selected conclusions will be drawn from this knowledge and presented with application background for machine operators and machine manufacturers.

Email: tilman.witt@tu-dresden.de

Web: <https://tu-dresden.de>