

VDMA Technology Forum
17. - 19. September 2019

Smart factory – Effects of model-based manufacturing

Dr. Thomas Mücke

The integration of PLM and MES opens up new possibilities for parts production. The digital twin of the product model and production is gaining in importance. It is shown how a simple CAD/CAM chain can be built up in parts manufacturing to model-based manufacturing. The new methods based on model-based manufacturing, which counteract the conventional NC programs with fixed routings, require a high degree of associativity from the CAD feature to machining. It shows how data integration can create new potentials that were previously difficult to realize. Here, the necessary continuity is presented in a phase concept using a platform strategy to achieve the new effects.



Siemens Industry Software GmbH
Digital Factory Division
Weissacher Str. 11
70499 Stuttgart

www.siemens.com/plm