

Fastener & Fixing – Issue November 2018

Section: Manufacturing Technology or Application Technology

Have you ever tried Process Simulation for Fasteners Manufacturing?

Transvalor provides best-in-class, affordable and flexible solutions to simulate fasteners manufacturing. Thanks to FORGE® & COLDFORM® software, you get strong-performing solutions together with the support of a team of experts for consulting services.

At every step of the manufacturing process, engineers can take advantage of virtual manufacturing. We, at Transvalor, trust that simulation becomes a crucial strategic mean for the development of high performance fasteners.

IMPROVE PRODUCT QUALITY AND SHORTEN DEVELOPMENT LEAD TIMES

The software are relevant to simulate the entire manufacturing process from wire blank cut-off through cold heading sequence, thread rolling and final heat treatments. Moreover by bridging “Process Simulation & Product Analysis”, one can simulate the response of fasteners under stress loading and consider the impact of residual stresses due to prior forming sequence.

Simulation contributes to master the process and improve the quality of your products

- + Prevent defects prior to production
- + Perform die stress analysis and increase die lifetime
- + Anticipate under-filled areas
- + Predict metallurgical properties after heat treatment
- + Guarantee mechanical properties from grain structure orientation
- + Obtain final in-use properties under stress loading

DELIVER THE BEST PRODUCT AT THE BEST PRICE

Virtual manufacturing is a unique opportunity to **drive costs down and differentiate** from the competition. One can eliminate the costly of trials & errors, select the right forming equipment and avoid premature die failure. Consequently, the engineering team can demonstrate that high-quality forgings will be delivered in a timely manner. “For our customers, *TRANSVALOR’s simulation-based approach enhances the knowledge of manufacturing techniques and effectively accelerates time-to-market for new products*” says Stéphane Andrietti, Marketing director at Transvalor.

You get real competitive advantages:

- + Optimize existing processes and increase productivity
- + Dare new designs for innovative projects
- + Ease decision when replying to request for quotation

With TRANSVALOR software there is no trade-off on quality. All features are available without extra or hidden options. You can lease or purchase a license or inquire about engineering consulting. Our experts in simulation will provide you with the most appropriate services to match your expectations.

www.transvalor.com

