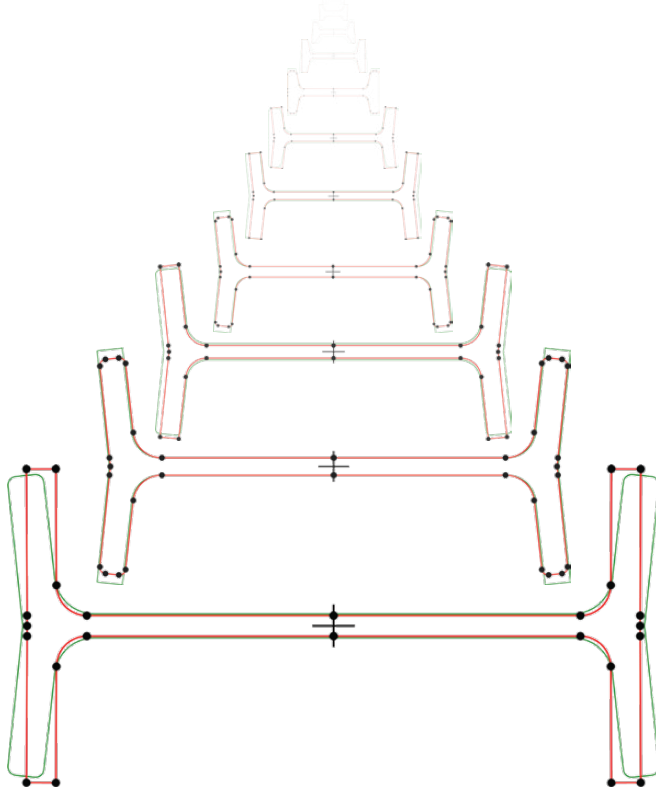


QKALIBER



CAD SYSTEM FOR THE DEVELOPMENT AND IMPROVEMENT OF ROLLING PROCESSES FOR LONG PRODUCTS AND SECTION PROFILES

24/7 online support

Cost and time reduction for new and existing rolling technologies

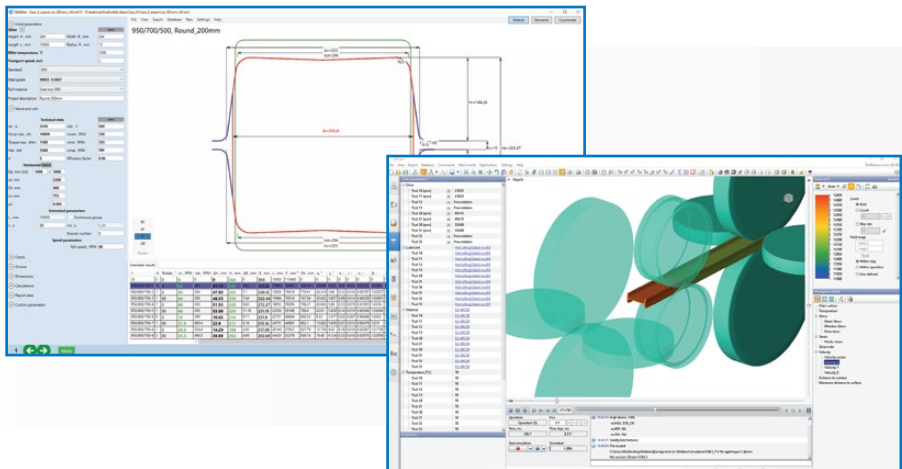
Detecting and correcting possible costly design errors

Integration with QForm

SIMPLE DESIGN OF COMPLEX PROFILES

Automatic creation of the entire rolling scheme based on a specified section profile

Flow analysis of profile elements to assess roll pass design based on deformation parameters



DOCUMENTATION GENERATION

Rolling schemes

Roll drawings

Groove drawings

Analysis and improvement of existing roll pass designs

Roll pass design from scratch either directly from the billet to the final shape or in inverse direction from the final shape to the billet

Simulation of deformation, speed and temperature regimes, the energy and power parameters of rolling

Roll strength analysis

Visual analysis of deformation zones in cross-sections

Analysis of rolling technologies, considering the characteristics and limitations of the mill

Support of various equipment and roll configurations

Wide set of standard grooves and product shapes

Extendable database of materials, billets, rolls and stands

Simulation of cross-sectional deformation in 2.5D in seconds to verify the groove shape in QKaliber

Import of grooves from *.dxf files and their shape customisation using built-in editor

Import of roll pass design from an Excel template

