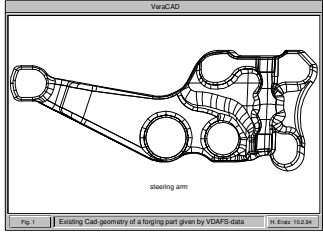
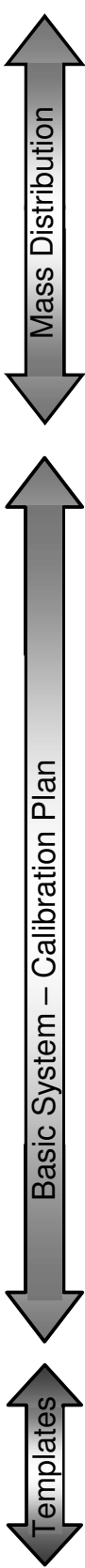
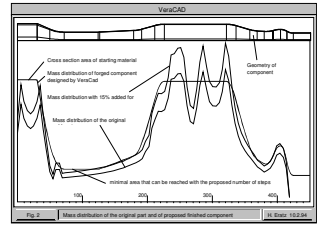


Reducer Roll Tool Design with VeraCAD in 7 steps



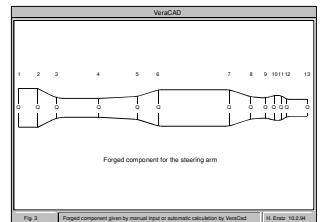
1. CAD-Geometry

Loading data with interface functions IGES, VDAFS, EDX. Delete single surfaces, mirror, rotate or expand them. Switching between cold and warm part. Volume calculation.



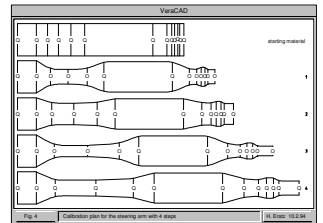
2. Mass Distribution

Automatically derive Mass Distribution Diagram from CAD. Add material for the flash. Automatically calculate a suitable finished product and the necessary billet.



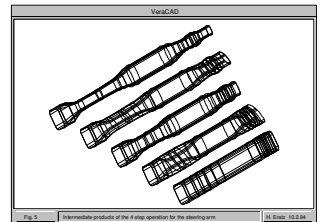
3. Finished Produkt

Product-Editor: Copy a cross section, delete, edit, insert or append it. Input cross section as: Circle, Square or Oval. Describe it with cross section area, length and transition radius.



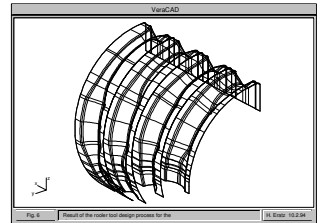
4. Calibration Plan

Calculate a calibration plan with number of passes, calibration sequence and reduction rates. Interactive editing of calibration sequences and reductions. Printing as table or graphic.



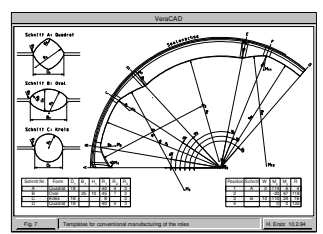
5. Roll Products

Calculation of exact position volume in freeform surfaces. Include thermal expansion and cracking oxide Layer. Output in common interface formats IGES, VDAFS, EDX.



6. Tool Segments

Automatically winding up. Enter roll diameter, individual segment width, several rounding radius. Automatically lengthy correction of wound up centre-line with improved rolling rules. Output for CNC Manufacturing.



7. Template Building

Generate 2D-Drawings for pass centre section and cross sections including all dimensions and annotation. Interactive setup of complete drawing layout. Export via IGES.