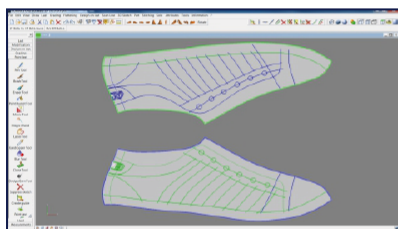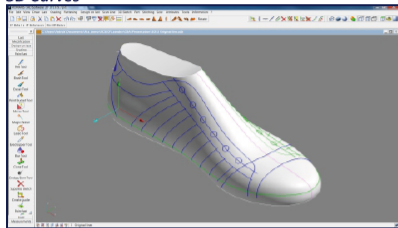# ROMANS CAD 3D Design
Software

Overview

RCS 3D Design is a software developed by Strategies SA, embedded with Romans CAD Software Suite and, totally customized for footwear and luggage industries.
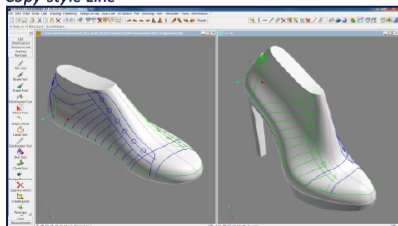
RCS 3D Design provide you all the requirements for style line drawing on the last in 3D or on the flattening using several methods in a friendly inteface.

3D Curves

RCS 3D enables you to create in 3D ornaments, threads, welts, loops, laces, etc. and apply them directly on the model. It helps you to automatically transfer the lines from one last to another, to take into account the thickness of the materials and retaining the colours of the various parts to view your project. You can view your 3D model from all angles using the fast 360 rotation.
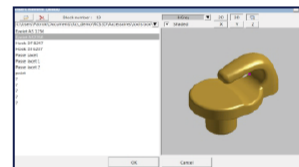
Copy-style Line

3D Design

RCS 3D Design allows you to:
· Create the model you have imagined and optimize the style line
· Experience your creative freedom by drawing the style lines directly and interactively on the digitized last. You can controle the design using 2D - 3D association functions and in the same time you can create style curves on the last in 3D or on its flattening. Extract parts from the upper and assign thickness and material, simulate laces, eyelets and stitching, add ornaments to your model and all the necessary components from the 3D libraries

· View the models from all angles. This means you save time and decision-making costs by providing added value to the presentation of your design
· Shape, communicate, store, analyse and share your ideas
· Review, mark up and revise design
· Increase productivity and design more efficiently
· Work seamlessly with other RCS software modules
· Improve the speed and quality of decision-making through increased collaboration between marketing, research, product development and manufacturing teams
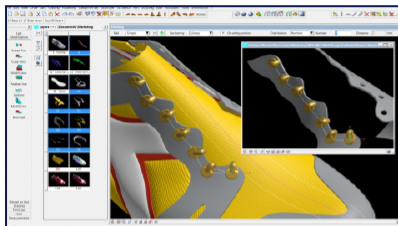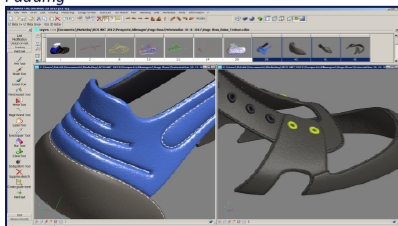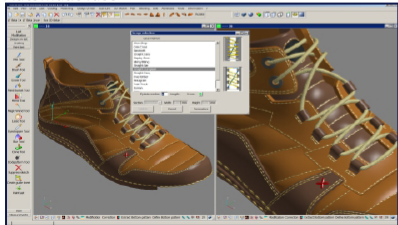
Features

· Use the guide, in order to get the right 3D proportion
  (guide sheet, vertical, horizontal, parallel guides, guide
  visibility, etc)
· Design your complete parametric model
  (3D/2D interactivity, 3D curves, parallel, symmetry, substitution
  of curves, copy stylists lines from one last to another, copy a
  complete model from one last to another, etc.)
· Flattening
  (3 methods for the flattening of the last, automatic flattening
  average, correspondence 2D, etc.)
· Extract parts
  (thickness, create custom edge, deform a part, padding, etc.)
· Create accessories
  (stitching, buckle, sweeping, etc.)
· Export your design to communicate more effectively
  (PDF, VRML to 3D Printer)

Benefits

· Ready to use (customized for shoe & bag industries)
· Easy configuration and implementation
· RCS 3D Design is the entry point for good pattern making
  design
· Communicate design intent before production
· Optimize design before making physical samples
· RCS 3D modules are complementary and designed to
  meet all requirements of design, texture, scan-line, grading
· Collaborate with colleagues and clients using other compatible
  RCS software modules
· Easy to integrate in your IT organization

Padding

Automatic lace