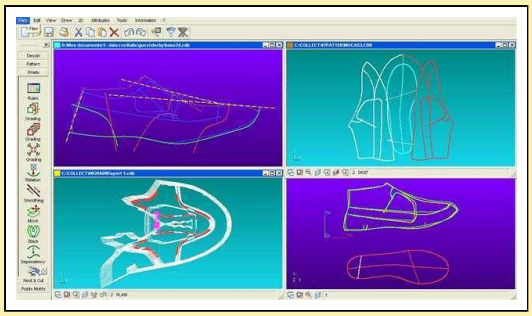
# RomansCAD Software 2D

Footwear

## Creating and grading patterns



Production constraints, communication requirements and the need for reactivity to the market are always increasing. You need a fast and high performance response, adapted to your quality standards.

The RomansCAD Software 2D solution helps you meet these challenges by proposing a full range of automated and integrated tools and functions enabling you to reproduce complex work sequences.

RomansCAD Software 2D is a powerful tool that simplifies pattern operations, promotes the expertise of the users and saves you time.

### Creating patterns

RomansCAD Software 2D lets you create patterns in three different ways:
• By direct retrieval from RomansCAD Software 3D – you develop your patterns from the flattening of the 3D design.
• By manually digitizing the basic pattern plans in order to develop the complete model.
• By physically scanning the 2D pieces to output the graded part to the cutting process.

### Model design

An extensive range of functions makes it easier to create a wide variety of complex patterns faster (swivel, spring, variable offsets, parallelism, etc.)
You can easily add all types of notches, punches, markers, radius or chamfers on your basic lines (notches, perforations, etc.)
Several manipulation tools (rotation, translation, mirror, cut, etc.) help you quickly define your models.

### Developing patterns

During model development, RomansCAD Software 2D can associate the model parts and shell, which reduces the number of lines to work and generates real time savings.

### Automation and inheritance

Traditionally, industrial pattern creators would create all the parts of a model and then adjust the drawings by hand. As a rule, this method was long, repetitive and often error-prone.
RomansCAD Software 2D presents different levels of automation:
• Use of template lines to be applied line by line on the construction

• Use of template parts or complete patterns to be applied to the global design on a new base

• Use of the existing pattern adapting from one shape to another.

### Grading

RomansCAD Software 2D offers grading dynamic management. Regardless of your own system of sizes: groups of several sizes (die break), grading center, grading along a specific axis.

### Archive and store your patterns

RomansCAD Software 2D can be linked to RomansCAD Software Data Management for real-time pattern data management, sharing, consultation and archiving. The cutting orders can be created by variants from this base.

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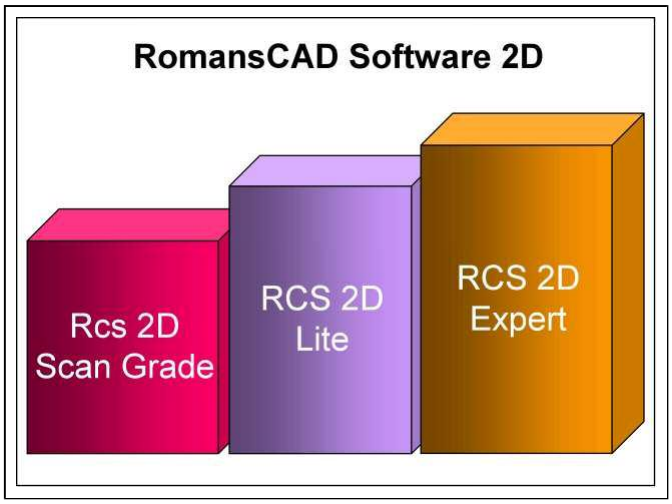
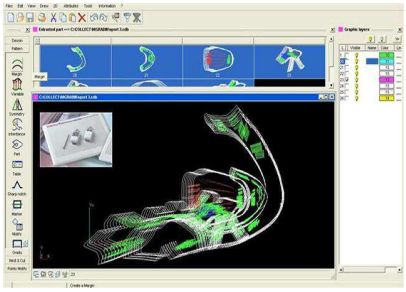
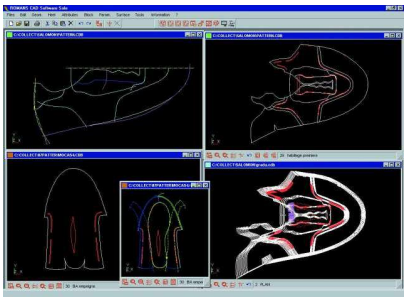


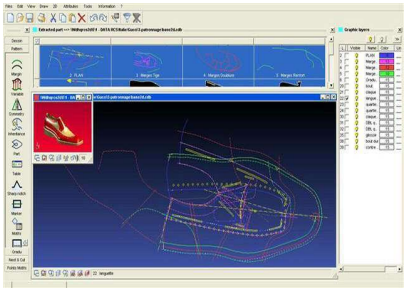
## RomansCAD Software 2D Scan Grade

RCS 2D Scan Grade is a specific module in the 2D pattern making solution designed for sub-contractors primarily interested in the grading function.
Upon reception of the model, the parts are digitized by the sub-contractors (using 2D digitizer or scanning the paper patterns) who then extract the parts and required data (notches, text, etc.), define and apply the grading rules and then cut or export the parts (DXF-IGES).



## RomansCAD Software 2D Lite

RCS 2D "Lite" is a specific module in the 2D pattern making solution, designed for manufacturers. All the main functions required for the development of a model are included in this solution.



## RomansCAD Software 2D Expert

RCS 2D "Expert" is the full RCS 2D package. Designed for manufacturers, this package includes all available functions for pattern creation and grading.
All the advanced functions can be accessed, for example: notch verification (for "strobbel" assembly), piece digitization, definition of the direction of a part, definition of a motif point, automatic pattern making, modification of the base size of a pattern, copy a pattern to different last base.

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## Drivers available as options

A large number of drivers are integrated in RCS 2D to ensure communication with the various cutting systems on the market:

- Atom
- Cometlz
- Elitron
- Eurolaser
- Fanuc
- Kehl
- Ovinc-Lince
- Wild-GL
- Diamino-F

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Configuration requirements for RomansCAD Software 2D

- Intel® Pentium® processor (III 800MHz; IV 2GHz)
- Microsoft® Windows 2000 (Service Pack 3 and Service Pack 4)
- Windows XP®
- At least 256 MB RAM

| Configuration | Optimum | Minimum |
|---|---|---|
| Processor | Pentium IV 2 GHz | Pentium III 800 MHz |
| RAM | 512 MB | 256 MB |

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## Service offering

### Consulting

Lectra consulting helps you identify problems associated with your business and define areas for improvement to develop the creation and reduce the time to market of your products. Our team of specialists will assist you in establishing investment priorities and developing an implementation plan to accelerate speed-to-market, reduce costs, eliminate inefficiencies, and improve communications. Our specialists have on average more than 10 years' experience in your business sectors and in the technologies concerned, enabling them to handle any stage in the consulting process, from audit to project installation.

### Software Evolution

Software Evolution is a subscription service that gives you access to the latest versions of Lectra software, allowing you to continually improve technical performance and to optimize your design environment with each technological innovation. Software Evolution secures your investment over the long term. This service allows you to enjoy state-of-the-art technology while achieving substantial savings.

### Training

Lectra's training ensures rapid integration and optimal use of your software or your Lectra CAD-CAM equipment. With more than 120 instructors, this training can be provided on-site with customized programs or at Lectra's training centers throughout the world. Select the training modules best suited to your needs and combine them to make a customized training program.

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