

Graph  
Cad

Sistema CFAO

GRAPHCAD

Since 1984, Vetigraph® has been developing cost effective CAD/CAM solutions. GraphCad® has been unveiled as our pioneering system dedicated to handling and cutting technical textiles and materials in the composite industry.

[www.vetigraph.com](http://www.vetigraph.com)

# GRAPHCAD

From the design to prototyping and manufacturing , **GRAPHCAD® EXPERT 2D** is the optimum solution for interactive pattern making and piece modifications, automated nesting and automated material cutting. Our solutions are used in aviation, automotive, boat and furniture manufacturing as well as the clothing industry, to cut an huge array of soft materials.

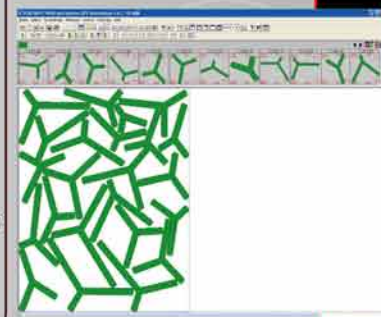
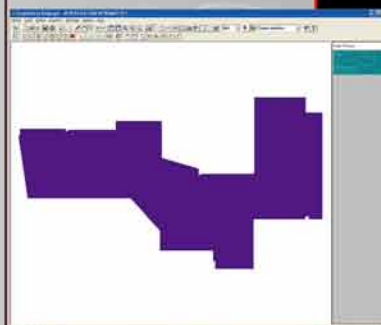
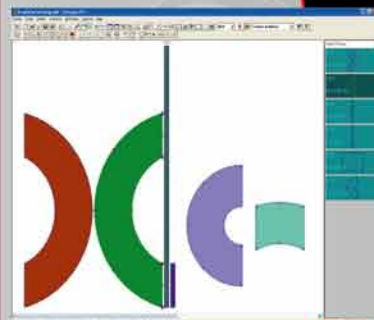
As a user friendly solution, **GRAPHCAD® EXPERT 2D Pattern & Design** enables designers, subcontractors and manufacturers to face tomorrow's challenges in terms of creativity, productivity, reactivity, standardisation and securing data exchanges.

The new functions of **GRAPHCAD® EXPERT 2D Pattern & Design** added to multiple control tools, make it a fundamental solution in the development process of industrial products.

**GRAPHCAD EXPERT 2D Pattern & Design** enables the perfection of prototypes including last minute modifications in order to finalise new projects whilst allowing the operator easy access to a piece database.

**GRAPHCAD® EXPERT 2D Marker and OPTIMUM** enable the production of nesting and costing in masked time, either interactively or automatically, thus increasing productivity, and making significant savings of material and time.

Further increases in productivity can be made with **GRAPHCUT®**, our range of automated cutting solutions which can handle different materials, improving accuracy and internal organisation. **GRAPHCAD® EXPERT 2D** is compatible with all automatic cutters available on the market.



"ARTIFICIAL  
INTELLIGENCE"



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## GRAPHCAD® EXPERT 2D Pattern & Design Solution

Our CAD solutions are the result of years of experience, dealing with industrial organisations across the world.

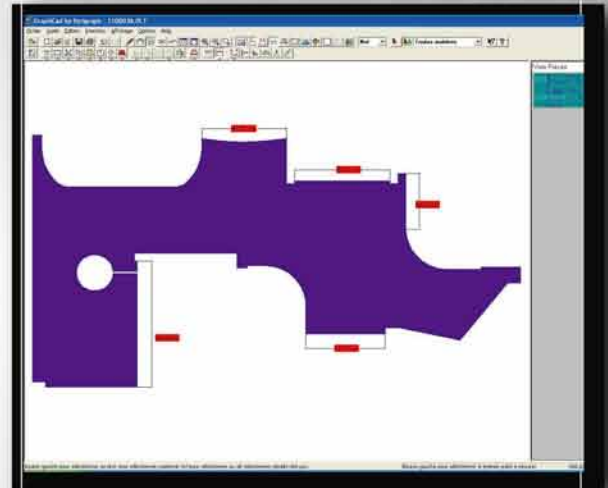
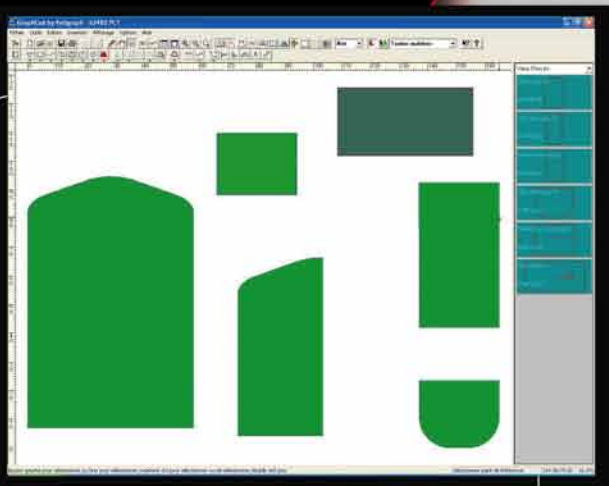
Our systems are particularly known to be user friendly.

**GRAPHCAD EXPERT® 2D Pattern & Design Solution** has been developed with simplicity in mind, and use pop-up windows to guide and help simplify the creation process for the operator.

## GRAPHCAD® EXPERT Marker-Solutions

**GRAPHCAD® EXPERT Marker Solution** enables nesting according to various materials and manufacturing orders.

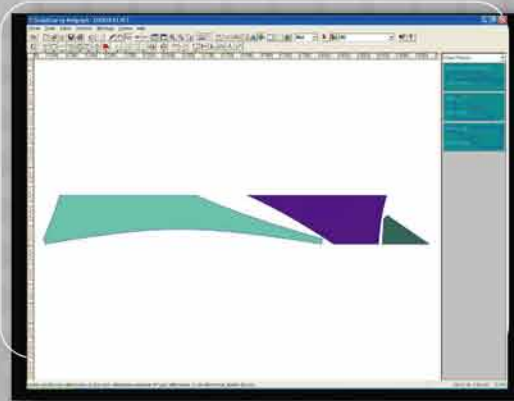
**GRAPHCAD2D® Expert** is a user friendly solution, enabling every company to increase output and be more reactive. It is particularly aimed at product development and technical personnel from the conception to the cutting process, who wish to automate industrial processes.



## GRAPHCAD® EXPERT OPTIMUM automatic marker Solution

We have developed a powerful algorithms able to produce markers that save material and time, enabling fast and precise consumption forecasts. This tool is the most powerful marker optimisation tool on the market, using an artificial intelligence concept which will produce an optimised nest at least as good as a manually generated nest and generally far better.

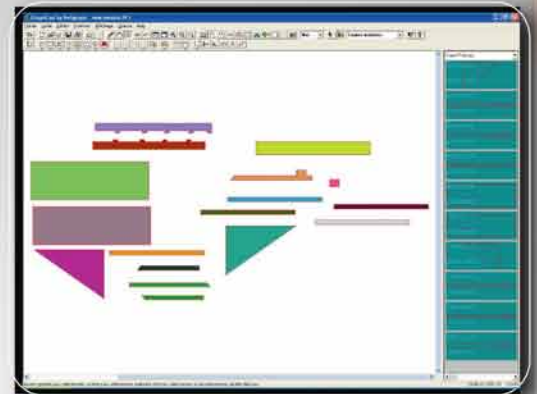
Our solutions are recognized for their user-friendliness, and the compatibility of their file formats with others. With our conversion tools, our clients are able to communicate with all of their subcontractors no matter whatever their CAD solution.



**GRAPHCAD 2D Expert** is the most user friendly CAD solution, enabling companies to speed up the product design process and to be more reactive. This solution has been especially developed with design and technical personnel in mind, with a view to automate the various manufacturing stages.

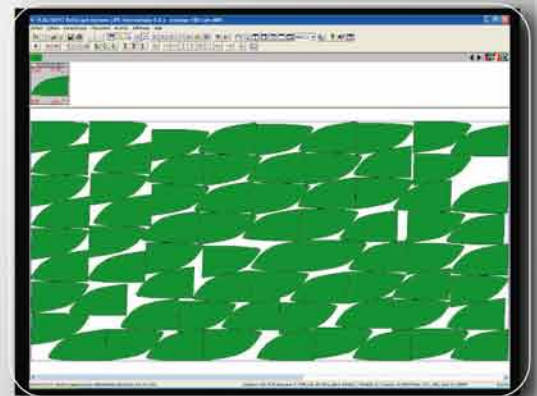
### **GRAPHCAD®Expert 2D PATTERN & DESIGN**

- Interactive modification of existing pieces
- Creation of internal lines
- Display of values and measurements
- Cropping and scaling from scanned images
- Fusion of pieces
- Rotation and flipping tools with keyboard shortcuts
- Adjustable work windows
- Defining a grain line for each piece
- Ability to measure the perimeter or surface of a piece
- Use of various notches and drill holes



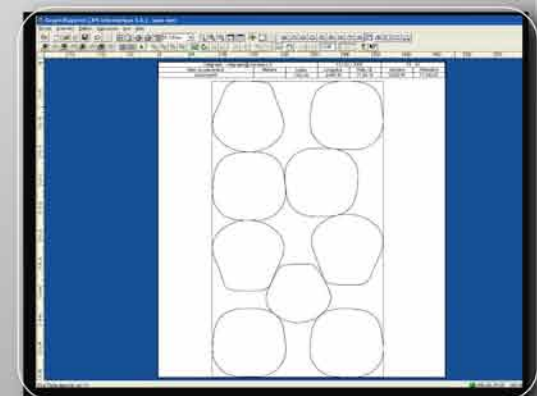
### **GRAPHCAD® EXPERT 2D MARKER**

- Parameters for width and spacing between pieces
- Shrinkage allowances (in %)
- Selection of individual pieces, with quantity adjustment according to the cutting order
- Parameters for cutting direction
- Automatic cutting tool management
- Automatic overlapping control of pieces
- Pivoting, turning, selection of groups of pieces, modification of fabric width for nesting
- Measuring Tools: efficiency, length, perimeter etc...
- Alteration of nesting when automatic nesting is finished



### **GRAPHCut®-GRAPHPrint®**

- Data exportation to plotter or cutter
- Printing of nests in A4
- Editing of product Specification documents
- Connection to other equipment on the market: plotters, cutters and digitizers
- Import and export other CAD formats on the market
- Ability to export in different file formats (RS-274D CutFile ISO, HPGL, DXF...)



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optimize

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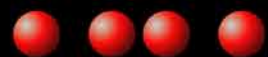
« Time, quality and costs »



A global "turnkey solution", for yourself.

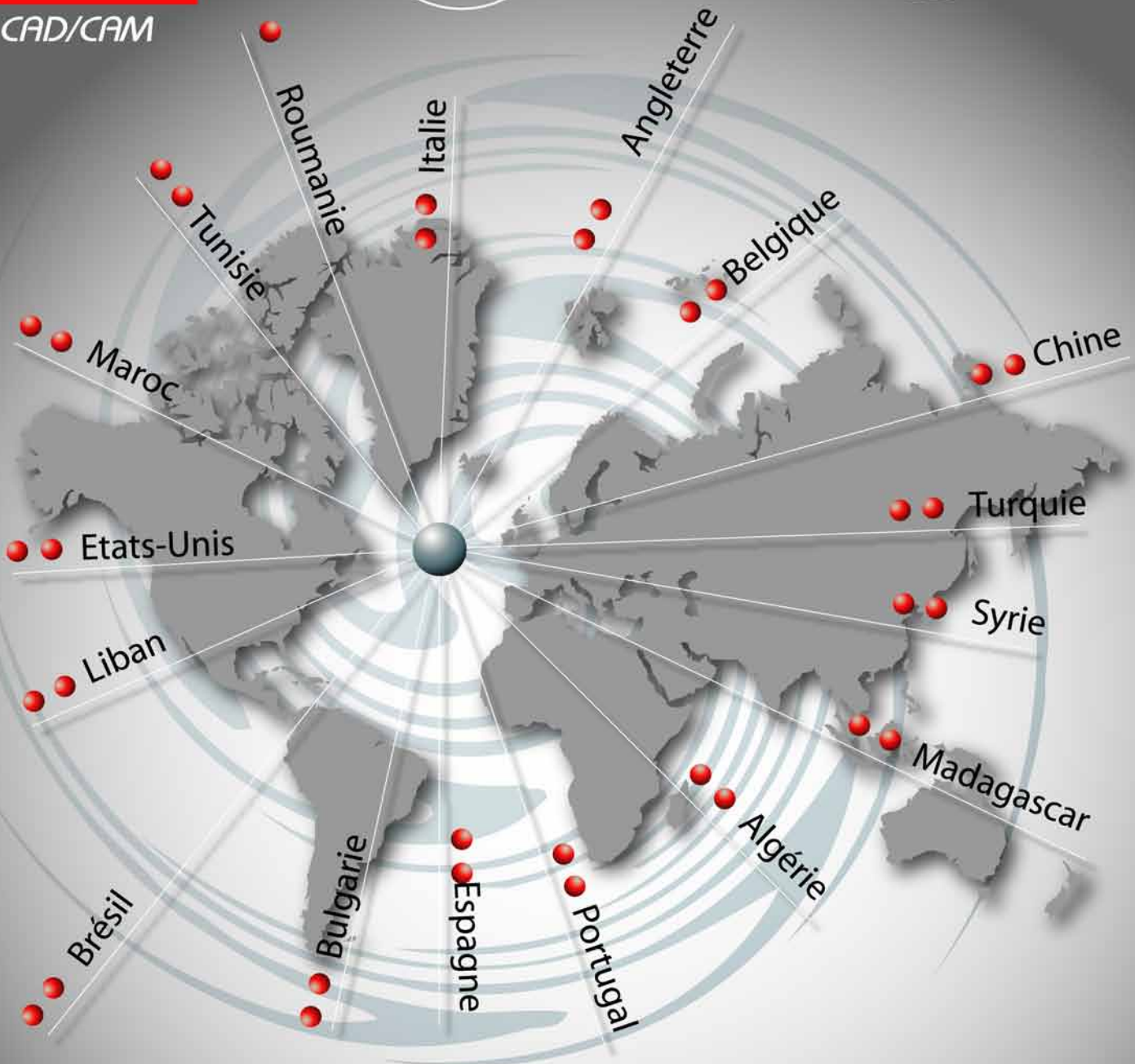
Please contact us to organize a personal demonstration or a free test.

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# Graph Cad

CAD/CAM



[www.vetigraph.com](http://www.vetigraph.com)

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