

# Your creativity drive us

## Face your new challenges and opportunities

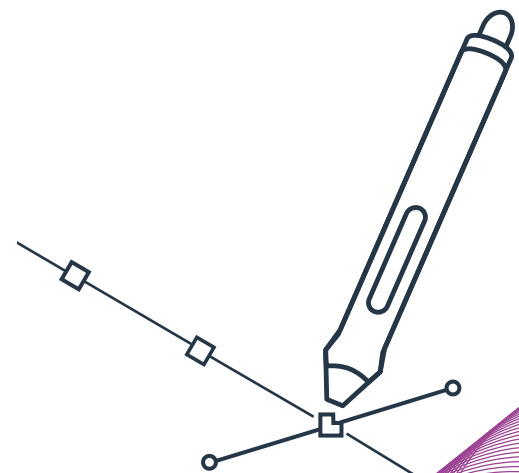
Mobilize your creative teams with integrated and powerful solutions, for production flexibility at competitive costs and fast time-to-market.

## From design and engineering to market

With an 2D/3D solution, share and collaborate with creative designers, technical pattern makers, vendors and other partners - worlwide, for better and faster decision-making in the product development cycle.

## Optimize your work and company processes

Mind offers the most powerful solutions in the market for the creative industries - a perfect combination, offering a balanced mix of creative and technical 2D and 3D CAD tools.



Creative industries  
High quality  
Customization  
Innovative collections  
Product design

## SOLUTION ADVANTAGES

4 ways technology can improve your business



### MORE CREATIVITY

Experience greater creative freedom in designing and prototyping innovative models, with audacious style lines and new materials.



### INNOVATION

Renew your image using the most effective tools for design, communication and marketing with clients and business partners.



### EFFICIENCY

Reply to market demands, accelerating the design and development of new models. Reuse developed models to create new series.



### HIGH SPEED DEVELOPMENT

Reduce prototyping time and cost by replacing physical samples by realistic digital models.

CONSULTANTS  
SPECIALISTS  
TRAINERS  
SUPPORT  
PARTNERS  
NETWORK



GET IN TOUCH

[www.mindtech.pt](http://www.mindtech.pt)  
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Official Partner



INNOVATIVE SOLUTIONS  
FOR YOUR CREATIVE TEAM

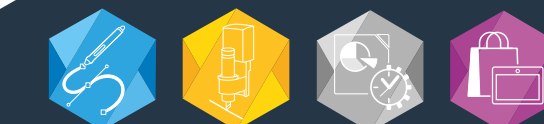
More flexibility  
More simplicity  
More value



Designed to work together

MindCAD 2D/3D

[www.mindtech.pt](http://www.mindtech.pt)



DESIGN, PRODUCE AND MARKET  
BETTER THAN EVER



# MindCAD 3D for Footwear

Software of design and product engineering for modeling, prototyping and photorealistic representation of 3D models

## Sketch style lines

- Paint-like sketch tool for shoe designers.
- Direct mapping of sketches and images over the last.
- Advanced layer support.
- Export to rapid prototyping systems.
- Manual mockup construction using flattened version of design.

## Last design and editing

- Interactive last digitizing.
- Full integration with major last CAD systems.
- Interactive and parameterized last editing.
- Automatic last flattening allowing manual customization.

## Sole modelling

- Full integration with major sole CAD systems.
- Accurate sole template creation based on last shape.
- Interactive modeling of soles and heels.
- Full material support for sole components.

## 3D upper part modelling

- Drawing of style lines over surface.
- Creation of stitches, laces, punches, padding, buckles, etc.
- Digitizing and mapping of materials.
- Full integration with photo realistic packages.

# Integrated Solution for Your Creative & Design Room

## Accelerate your business with MindCAD

## Improve your design process in 4 simple steps



### DESIGN

#### Sketch your ideas, design with greater fluidity

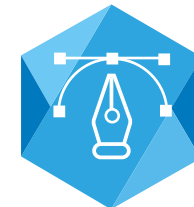
More fluid and creative design, approaching the processes of fashion sketching, styling and modeling. Experience greater creative freedom in designing and prototyping innovative models, with audacious style lines and new materials.



# 1

### INNOVATION

Renew your image using the most effective tools for design, communication and marketing with your clients and business partners.



### CREATE

#### Create 3D realistic models

Design your 3D model based on your sketch, explore your creativity with advanced materials and accessories on realistic environments. Produce more creative collections. Enhance decision-making during the product development cycle.



# 2

### MORE CREATIVITY

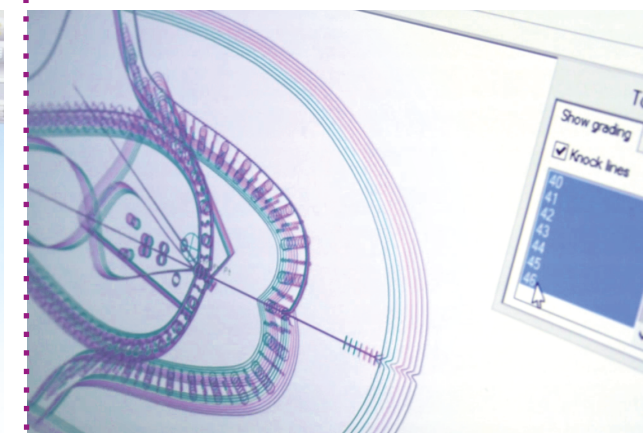
Optimize your design process with rapid prototyping with realistic materials and textures on real environments, thus approaching the real-life fashion processes.



### ENGINEER

#### Use geometric modelling tools, for the engineering process

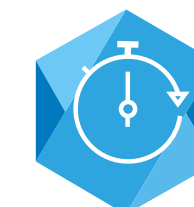
Prepare your models to production. Easily change your industrial plans, with immediate results in patterns and sizes., with a direct connection to the production automation.



# 3

### PRECISION AND FLEXIBILITY

Higher accuracy and consistency in engineering, sketching, styling and modeling. Increased flexibility and faster response to market demands, reducing costs and production times.



### PRODUCE

#### Prepare the cutting process

Improve your cutting processes, using Model Importer to deal with different formats supplied by your clients. Export of the processed parts, ready for nesting and cut, for further processing by MindCUT Studio. The rulesets can also be exported to and used by MindGEST PDM or MindCAD 2D.



# 4

### AGILITY AND STANDARDIZATION

Prepare and optimize your production from startup, with all solutions you need to create, collaborate and streamline your processes.



# MindCAD 2D for Footwear

A specialized 2D environment for design and engineering of models, parts and patterns

## Shell and patterns digitizing

- Interactive data input with a 2D tablet, in continuous or point by point modes.
- Automatic digitizing for shell and parts with flat-bed scanner.
- Support for multiple scanners and digitizing tablet devices.

## 2D modelling tools

- Style lines definition.
- Related and unrelated lines.
- Measure tools over shell and graded sizes.
- Interactive and automatic tools for line distortion.

## Creating patterns

- Complete pattern definition without adding auxiliary lines.
- Automatic definition of margins, overlaps and others.
- Automatic creation of notches, fillets, drills and stencils.

## Integration

- Tight integration with MindCUT software, for automatic nesting and cutting.
- Full integration and data exchange with MindGEST PDM, a centralized information repository for products and processes.
- Interoperability with MindGEST Cost Evaluation for cost assessment, based on product engineering options and production scenarios.

## Tailored experiences for every industry

Everything you need to create, collaborate, and get inspired.

