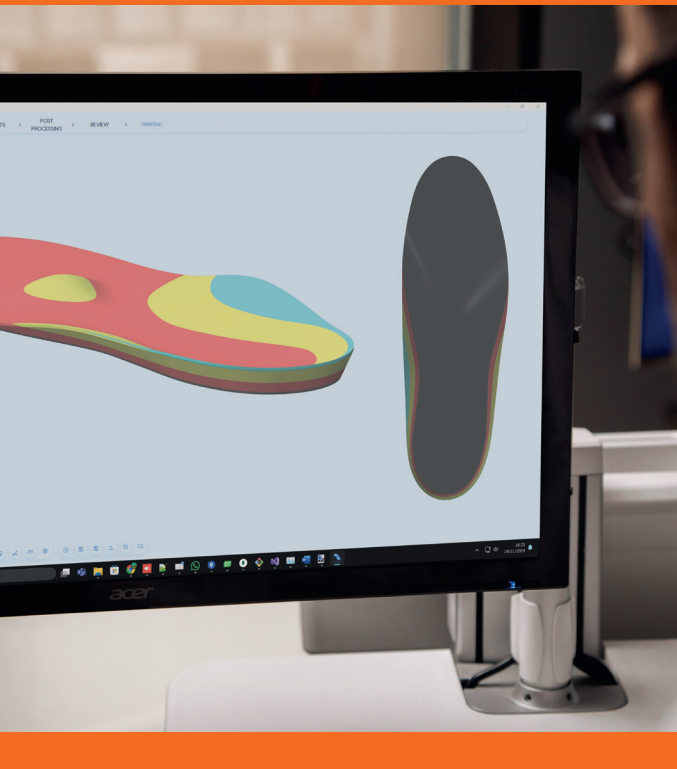
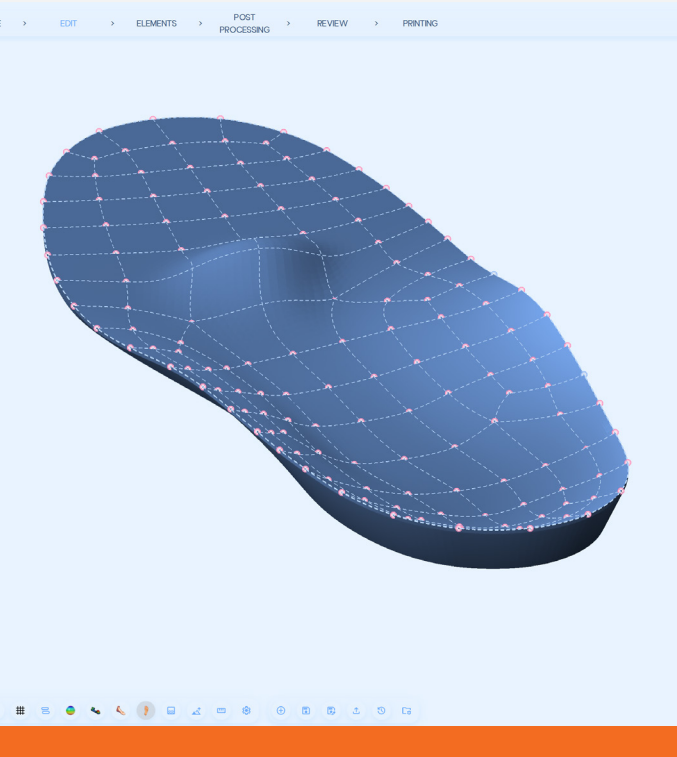


E A S Y C A D 2

TECHNICAL SPECIFICATIONS



SC\_TECH\_EASYCAD 2\_01

## the future of custom insole design

EasyCad2 is the 3D CAD software designed to make the creation of custom insoles simple, fast, and precise. With its intuitive interface and advanced features, EasyCad2 is the perfect blend of traditional orthotic expertise and modern manufacturing technologies.

Perfect Integration with Sensor Medica Systems EasyCad2 seamlessly integrates with the freeStep environment, automatically importing data and analyses from:

- PodoScan 2D: for high-precision foot morphology acquisitions.
- PodoScan 3D: for detailed three-dimensional foot scans.
- FreeMed: for static and dynamic plantar pressure maps.

This compatibility ensures that every project is based on accurate and personalized data, optimizing every step from initial assessment to design.

## EASYCAD 2 Features and technical specification

Here is a list of the main features of EasyCad2:

- Modifiable insole template even after design completion
- Quick template modification with control points
- Template creation from scanned 2D images
- Insole replication from 3D scans of existing insoles
- Automated modeling from pressure images, 2D and 3D
- Generation of insoles from 3D scans, including auto-cleaning of edges and forefoot areas
- Advanced surface editing with control points
- Zone-specific insole modification using dedicated tools
- Advanced point-by-point element editing
- Wedge configuration in millimeters or degrees
- Visualization of test data overlaid onto the insole in 3D view
- 3D rendering with material simulation for CNC milling
- Library of templates and proprioceptive elements
- Customizable element library
- Surface deformation from 2D or 3D pressure tests with selectable areas
- Targeted and global smoothing functionality
- Area selector for modifiers specific to 3D printing
- Dual insole control window with rapid area height refinement tools
- Direct file creation for 3D printing (compatible with Slice3D) with area density selection
- STL file creation with options for lower template selection, bridges, and stabilizer tabs (anterior and posterior)
- ISO G-CODE generation for CNC milling
- Positive model creation for CNC milling
- Multiple CNC milling profile configuration
- Improved ISO generation engine



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CERTIFICATION

