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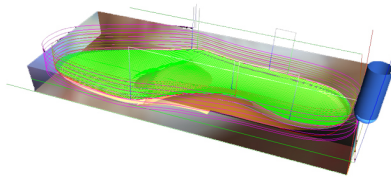Belgium

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PP*Sole* ©

The complete system

PPSole is the IDEAS post processor software for insoles/foot orthotics. The CAD files generated by the SoleCAD 3D design software for foot orthotics and/or the PodoCAD 2D software for foot orthotics are loaded to PPSole where they are converted to numerical command milling files. The user can modify certain parameters relating to the milling tool, the milling material and the tool path but not to the design of the orthotics.

PPSole can generate the NC tool path for a range of 3 axis milling machines. The version delivered by default is that which corresponds to the milling machine you have purchased from IDEAS. Versions which generate NC toolpaths for other 3 axis machines may be developed or may already exist.

The system characteristics

— Calculates tool paths for milling positives, negatives or double sided insoles
— Range of parameters for the milling tool
— Range of parameters for the milling material (block)
— Safety parameters to protect the milling tool and the milling table
— Takes into account the characteristics of the material to determine optimal milling speeds using different profile files
— Visualization of the insole positioned in the material (sheet or block)
— Visualization of the tool path and speed variation in 3D
— Calculation of the roughing layers for hard materials or deep milling in thick materials
— Speed optimization on the different areas of the tool path in process
— Tool change functions, for cutting out, for example
— Range of parameters relating to the position of the insole