



general information

module name	hsbELEMENT
target group	industry for prefabricated houses, timber-framers, CAD designers working on a high level of prefabrication of floor, ceiling and roof elements
fields of application	panelling of floors, ceilings and roofs for prefabricated house industry
system requirements	hsbTIMBER for further Information see data sheet hsbTIMBER

features

general features	All in One: object oriented solution for 3D-CAD/CAM from architecture to cnc open and scalable CAD-System through AutoCAD® and AutoCAD Architecture® One Intelligent 3D model for any kind of timber construction Throughput dataflow (architectural design ↔ manufacture design ↔ production plan) Advanced editing of each single object (beams, sheets, metalparts, tools)
library for elements	100% user defined library with dynamic details (details react automatically to different roof slopes and ceiling/floor geometries) define element zones (sheetings) and details for all edges of elements define tools within details (e.g. sawlines)
architecture	design of floors, ceilings and roofs
production planning	design floor/roof/ceiling with hsbFunctionality user defined layout for representation of floor/roof/ceiling elements elements are shown life from the 3d-model, not as derived 2d-drawings
tools, edit-functions	see hsbTIMBER
database	see hsbTIMBER
output	fully automatic shopdrawings (configurable) 100% configurable layouts for floorplans, elementdrawings etc. Editable Element drawings with automated dimensioning clash detection for timbers and toolings user defined bills of material based on Microsoft Excel (beams, plates, tools, metalparts etc.) optional: CNC-data (e.g. Weinmann, Bautech, Hundegger)
data-format	output format for wall-elements is an open ASCII-format containing total information of a wall element. This format is utilised in creation CNC data, database output and production control
further notes	works together with dynamic macros written in hsbTSL optional: Export of 3D-model to RSTAB for structural analysis
compatible with	hsbTIMBER, hsbWALL, hsbPANEL, hsbLOG, hsbPC (ProductionController)