



# DDX CAD-CAM-CIM-CMM Solutions

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## EasyWOOD Features

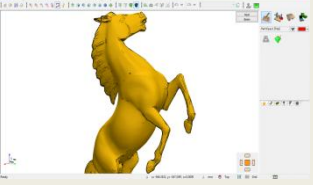
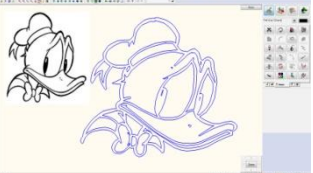

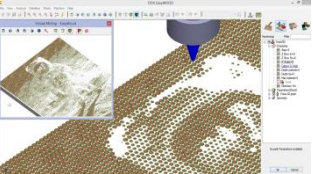
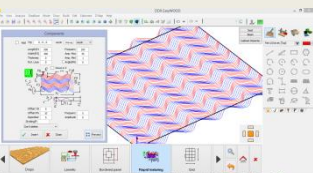
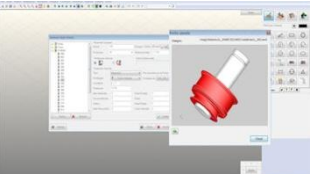
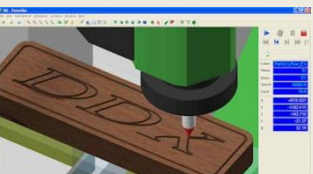
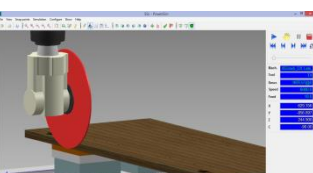
Following the complete list of functions of EasyWOOD.

	Features	Nest	Beginner	Standard	Premium
	3D graphics and photo-realistic rendering of the project	✓	✓	✓	✓
	Free design and measures of geometrical entities (arcs, bi-arcs, lines, rectangles, squares, ellipses, circles, regular polygons, fillets, chamfers, construction plans, nurbs, etc.)	✓	✓	✓	✓
	Design from predefined parametric models in library: vanity tops, kitchen tops, openings, tables, etc.	✓	✓	✓	✓
	Design of 3D surfaces: columns with fixed and variable section/torsion, loft, swept, gordon, polymesh and surface drawing from curve grid	-	✓	✓	✓
	SCL programming to generate project and production* automatism  *option automatic CAM link needed	✓	✓	✓	✓
	Surface definition by laser scanning	-	✓	✓	✓
	DXF, CAL, HPGL, PNT, ISO import	✓	✓	✓	✓



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	IGES, STL, STEP, SAT, 3DM (Rhinceros) import	-	-	✓	✓
	Pictures vectorialization	✓	✓	✓	✓
	Pictures ZMap and polymesh: BMP, JPG, DIB, PCX, TGA	-	✓	✓	✓
	ART Module	-	-	✓	✓
	Texturing	-	✓	✓	✓
	Graphic tool database, customised profiled tools and tool holders	✓	✓	✓	✓
	Recess, relief machining and sharp-edged engravings	✓	✓	✓	✓
	Aggregate management	-	✓	✓	✓



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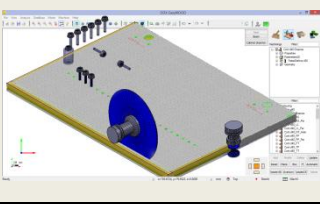

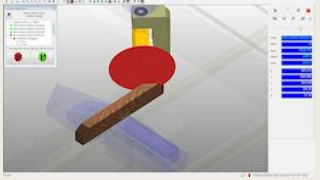
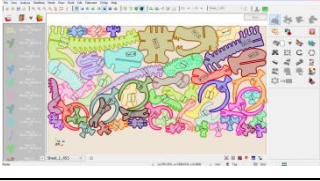
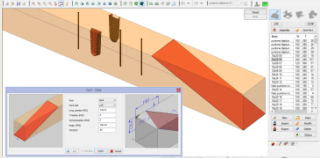


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	Blade cuts management	-	✓	✓	✓
	Milling, single and multiple drilling, finishing, profiling, pocketing, contouring and automatic generation of lead in and lead out paths with graphic modification	✓	✓	✓	✓
	3 axis roughing machinings and surface finishing	-	-	✓	✓
	5 axis machinings with tools and blades: scallop, flowline, develop, projection, pocketing	-	-	-	✓
	Disposition of pieces and sub-pieces on the machine with automatic check of the interferences between the machinings and the sub-pieces	-	-	○	○
<pre> t = 00.29 (m.s) l = 6.153 (m) c = 0.769 -Part1.VHM-Fraeser_20_langsam.124_Vf t = 00.29 (m.s) l = 0.653 (m) c = 0.757 -Part1.VHM-Fraeser_20_langsam(1.124_) t = 00.14 (m.s) l = 0.641 (m) c = 0.364 -Part1.VHM-Fraeser_20_langsam(2.124_) t = 00.010 (m.s) l = 0.249 (m) c = 0.263 -Part1.VHM-Fraeser_20_langsam(3.124_) t = 00.14 (m.s) l = 0.564 (m) c = 0.368 -Part1.VHM-Fraeser_20_langsam(4.124_) t = 00.17 (m.s) l = 0.54 (m) c = 0.447 ----- T = 00.18.37 (h.m.s) L = 130.022 (m) C = 29.469 Erfolgreich abgeschlossen           </pre>	Machining time and cost estimation and generation of piece programs for CNC. It is included the management of one CNC router.	✓	✓	✓	✓
	Automatic CAM link	✓	○	○	○
	Virtual milling	-	✓	✓	✓



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	Tool path graphic simulation	✓	✓	✓	✓
	Graphic 3D simulation of the machining process and 3D collision detection of the machining centre	-	-	○	○
	3D collision detection of the machining centre	-	-	○	○
	Automatic True Shape nesting with piece selection manual or from production list (*.csv), panel and slab store management and label generation. Manual modification of the optimisation is always possible.	✓	○	○	○
	BTL import <i>version 10.0</i> or higher	-	-	-	○
	EasyBEAM for the manufacturing of beams on CNC machining centers: structures, roofs, gazebo, conservatories, blockhouse. EasyBEAM imports BTL files <i>version 10.0</i> or higher	-	-	-	○
	EasyWALL for the manufacturing of panels on CNC machining centers: walls, floors, houses. EasyWALL imports BTL files <i>version 10.0</i> or higher	-	-	-	○
	3 linear axis interpolated management	✓	✓	✓	✓
	3 linear axis interpolated management + 1 indexing axis	-	-	✓	✓
	5 axis interpolated management	-	-	-	✓
	Multi CNC machining centres control	○	○	○	○

✓ = included

- = not available

○ = optional