

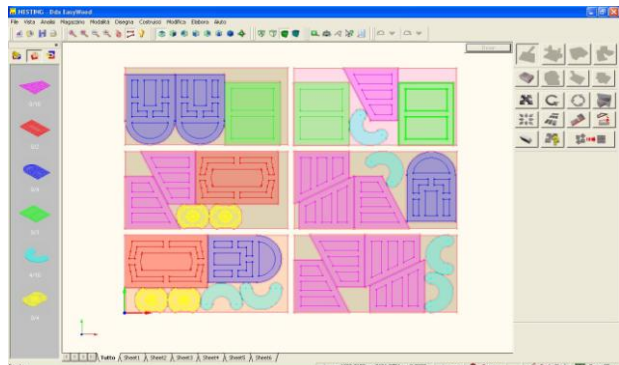
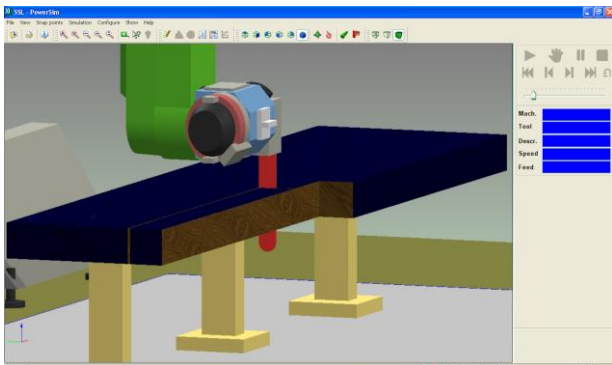
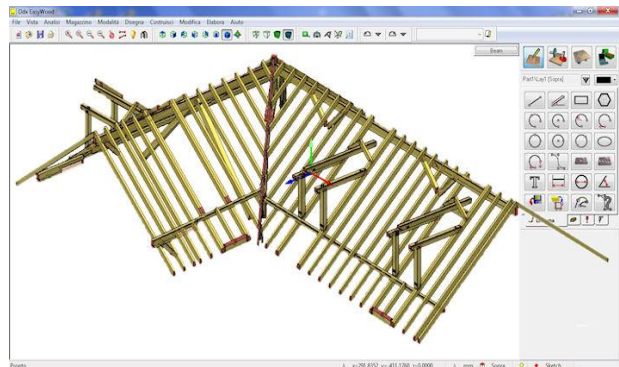
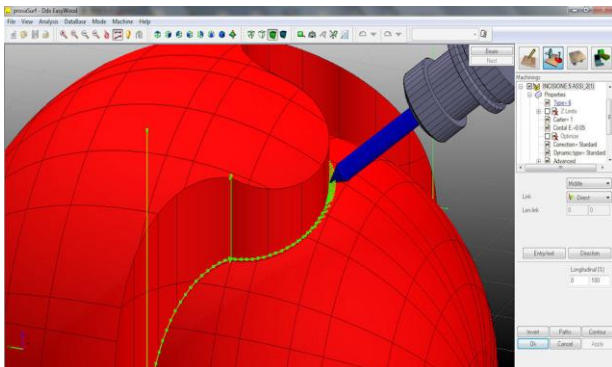
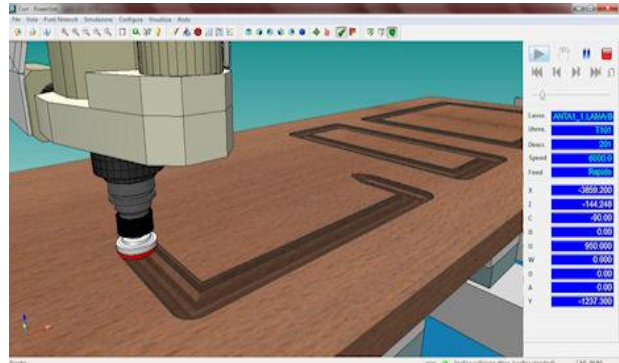
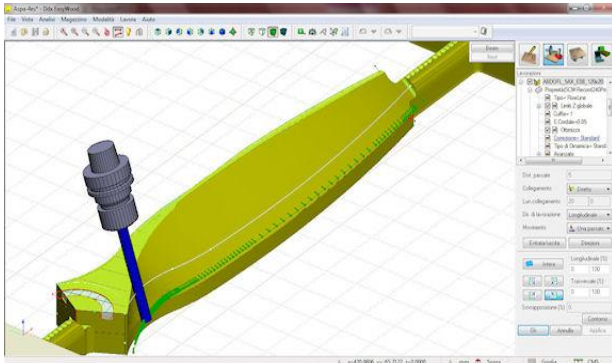
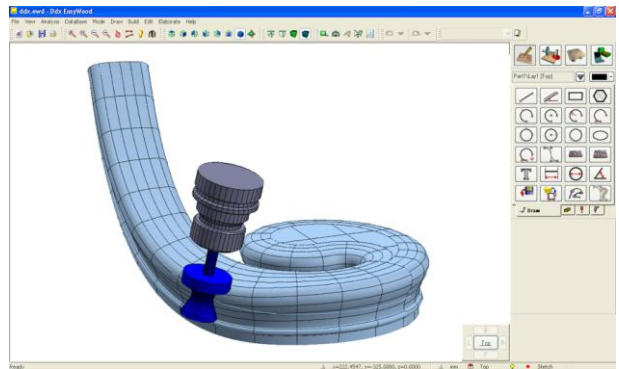
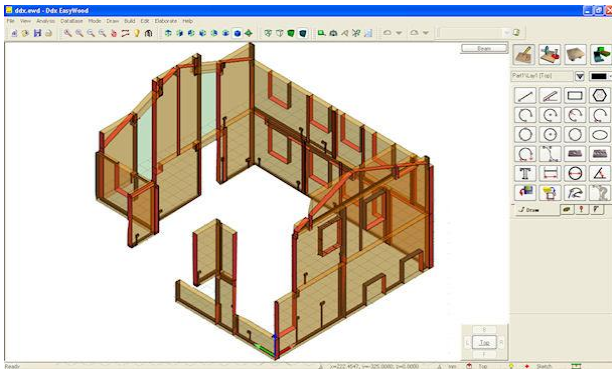


# DDX CAD-CAM-CIM-CMM Solutions

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# EasyWOOD Info Sheet





**EasyWOOD** is the CAD/CAM software solution for wood and similar materials working industry by numerically controlled machining centres.

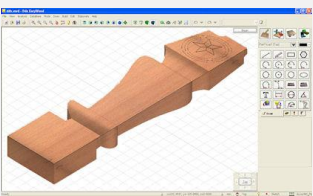

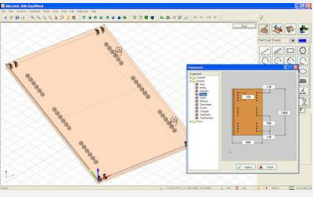
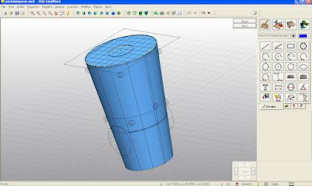
**EasyWOOD** is complete and fully manages the woodworking process: from design to disposition of pieces and underpieces on the bench, 3D automatic collision detection with simulation, machining optimization and program generation.

EasyWOOD is available in three different levels:

1. BEGINNER;
2. STANDARD;
3. PREMIUM.

## FEATURES

Following the complete list of functions of EasyWOOD.

Features		Beginner	Standard	Premium
	3D graphics and photo-realistic rendering of the project	X	X	X
	Free design and measures of geometrical entities (arcs, bi-arcs, lines, rectangles, squares, ellipses, circles, regular polygons, fillets, chamfers, construction plans, nurbs, etc.)	X	X	X
	Design from predefined parametric models in library: vanity tops, kitchen tops, openings, tables, etc.	X	X	X
	Design of 3D surfaces: columns with fixed and variable section/torsion, loft, swept, gordon, polymesh and surface drawing from curve grid	X	X	X

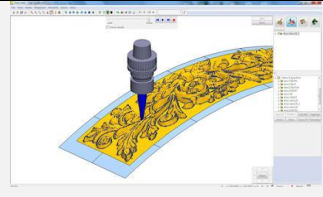
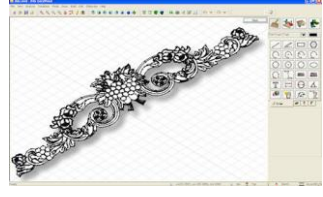
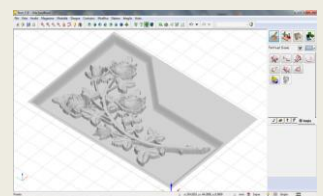


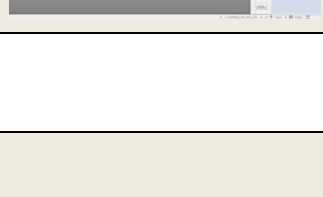
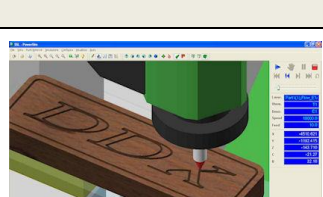


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	Surface definition by laser scanning	X	X	X
	DXF, CAL, HPGL, TNT, ISO, IGES, STL, STEP, SAT and 3DM (Rhinceros) import	X	X	X
	Pictures vectorialization and ZMap: BMP, JPG, DIB, PCX, TGA	X	X	X
	ART Module	X	X	X
	Graphic tool database, customised profiled tools and tool holders	X	X	X
	4 axis interpolated management with the possibility to add two axis more	X	X	X
	5 axis interpolated management with the possibility to add one axis more	-	-	X
	Recess, relief machinings and sharp-edged engravings	X	X	X
	Cutting cycles by blade or tool, drilling, finishing, profiling, pocketing, contouring	X	X	X



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	<p>Automatic generation of lead in and lead out paths with graphic modification</p>	<p>X</p>	<p>X</p>	<p>X</p>
	<p>3 axis roughing machinings and surface finishing</p>	<p>-</p>	<p>X</p>	<p>X</p>
	<p>5 axis machinings with tools and blades: scallop, flowline, develop, projection, pocketing</p>	<p>-</p>	<p>-</p>	<p>X</p>
	<p>Disposition of pieces and sub-pieces on the machine with automatic check of the interferences between the machinings and the sub-pieces</p>	<p>-</p>	<p>X</p>	<p>X</p>
	<p>Machining time and cost estimation and generation of piece programs for CNC. It is included the management of one CNC router.</p>	<p>X</p>	<p>X</p>	<p>X</p>
	<p>Management of more CNC machining centers.</p>	<p>O</p>	<p>O</p>	<p>O</p>
	<p>Automatic CAM link</p>	<p>O</p>	<p>O</p>	<p>O</p>
	<p>Virtual milling</p>	<p>X</p>	<p>X</p>	<p>X</p>



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	<p>Graphic 3D simulation of the machining process: it is done using the CNC machine 3D model which reproduces the table, the motors, the tools, the sub-pieces and the pieces</p>	-	O	O
	<p>3D collision detection of the machining centre</p>	-	O	O
	<p>Automatic True Shape nesting with panel and slab store management and label generation</p>	O	O	O
	<p>BTL import version 10.0 or higher</p>	-	-	O
	<p>EasyBEAM for the manufacturing of beams on CNC machining centers: structures, roofs, gazebo, conservatories, blockhouse. EasyBEAM imports BTL files version 10.0 or higher</p>	-	-	O
	<p>EasyWALL for the manufacturing of panels on CNC machining centers: walls, floors, houses. EasyWALL imports BTL files version 10.0 or higher</p>	-	-	O

*X = included*

*- = not available*

*O = optional*

