

## Compare Products

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Best For	<p><b>Users:</b> Beginners; students; hobbyists; shop floor machinists; general machinists</p> <p>Small and medium-sized businesses</p>	<p><b>Users:</b> General machinists; woodworkers; jewelry &amp; craft manufacturers, metal workers</p> <p>Small and medium-sized businesses</p>	<p><b>Users:</b> Manufacturing engineers, metal workers, mold-makers</p> <p>Businesses that do engineering parts design, analysis and manufacture.</p>	<p><b>Users:</b> Manufacturing engineers, metal workers, mold-makers</p> <p>Businesses looking for a less expensive alternative to SOLIDWORKS</p>	<p><b>Users:</b> Early adopters; hobbyists; educators; general machinists</p> <p>Businesses looking for a cloud version of SOLIDWORKS</p>
Modeling Capability	2D modeling & 3D Mesh modeling	2-D modeling, Free-form 3D NURBS & Mesh modeling	3D Parametric modeling used for engineering designs	3D Parametric modeling used for engineering designs	3D Parametric modeling used for engineering designs
Modules Included	MILL TURN NEST ART MESH	MILL TURN NEST ART MESH	MILL TURN	MILL TURN	MILL TURN
# of Axes for Milling	2-1/2 axis, 3 axis, 3+2 axis, 4 axis, 5 axis continuous	2-1/2 axis, 3 axis, 3+2 axis, 4 axis, 5 axis continuous	2-1/2 axis, 3 axis, 3+2 axis, 4 axis, 5 axis continuous	2-1/2 axis, 3 axis, 3+2 axis, 4 axis, 5 axis continuous	2-1/2 axis, 3 axis, 3+2 axis
# of Axes for Turning	2 axis	2 axis	2 axis	2 axis	Not Available
Needs Additional Products	No (Includes VisualCAD)	Yes (RhinoCeros 5/ 6)	Yes (SOLIDWORKS Design)	Yes (Alibre Design)	Yes (Onshape)
Post-processors Included	Yes	Yes	Yes	Yes	Yes
On Cloud	No	No	No	No	Yes
Built-in Versioning	No	No	No	No	Yes
Subscription Model	No	No	No	No	Yes
Available on Mac	No	No	No	No	Yes
FreeMILL	Yes	Yes	Yes	Yes	No
Annual Maintenance Subscription	Yes	Yes	Yes	Yes	No
Annual Releases	Yes	Yes	Yes	Yes	More Frequent
Price	\$495-\$10,000	\$495-\$10,000	\$495-\$10,000	\$495-\$10,000	\$99/month
Modeler Price Range	Free (included)	\$\$	\$\$\$	\$\$	\$\$

## Modules

<b>MILL</b>	Allows user to program milling machines
<b>TURN</b>	Allows user to program turning machines
<b>MESH</b>	<ul style="list-style-type: none"> <li>• Allows user to create mesh modules from point clouds</li> <li>• Allows for refinement, reduction and clean-up of mesh models</li> <li>• Allows creation of supports for 3D printing</li> </ul>
<b>ART</b>	Artistic modeling; allows user to take bit maps/pictures and convert them to 3D vector geometry that will be suitable for printing or milling
<b>NEST</b>	Allows for layout of closed shapes on sheet of material so as to optimize number of pieces that can fit on sheet