



AUTODESK® ARTCAM®

Feature Comparison

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
Bitmap Tools			
Import Bitmap	✓	✓	✓
Bitmap To Vector	✓	✓	✓
Adjust Model Resolution		✓	✓
Bitmap Layers		✓	✓
Vector Tools			
Vector Editing	✓	✓	✓
Vector Alignment	✓	✓	✓
Vector Trimming	✓	✓	✓
Vector Join	✓	✓	✓
Create Copies Of A Vector And Rotate		✓	✓
Paste Copies Of A Vector Along A Contour	✓	✓	✓
Vector Mirroring	✓	✓	✓
Create A Vector Offset From An Existing Vector	✓	✓	✓
Vector Offset	✓	✓	✓
Vector Library	✓	✓	✓
Vector Clipping	✓	✓	✓
Select Vectors To Find Errors In Artwork	✓	✓	✓
Convert Sharp Corners To Rounded Corners, Close/Join Vectors	✓	✓	✓
Distort The Shape Of Vectors In A Model		✓	✓
Create Multiple Copies Of Vector Artwork		✓	✓
Wrap Vector To Relief		✓	✓
Vector Spline	✓	✓	✓
Vector Arc Fit	✓	✓	✓
Vector Layers		✓	✓
Create Complex, Intricate And Repetitive Vector Designs		✓	✓
Spread Designs Over Multiple Sheets (Pieces Of Material)		✓	✓
Fill A Vector With A Specified Colour	✓	✓	✓
Draw The Vector Into A Bitmap	✓	✓	✓

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
2D Machining			
Profile Cut	✓	✓	✓
Machine Along A Vector	✓	✓	✓
Drilling	✓	✓	✓
V-Bit Carving		✓	✓
Area Clearance		✓	✓
Ramping Options		✓	✓
Inlay Wizard		✓	✓
Peck Drilling		✓	✓
Texture Machining		✓	✓
Drill Banks		✓	✓
Toolpath Templates		✓	✓
Fluting		✓	✓
Custom Form Tools		✓	✓
Bevel Carving		✓	✓
Model Origin	✓	✓	✓
Toolpath Panelling		✓	✓
Smart Engraving			✓
Toolpath Ordering		✓	✓
Advanced Profile Options		✓	✓
Batch Calculate Toolpaths		✓	✓
Transform Toolpaths		✓	✓
Merge Toolpaths		✓	✓
Copy Toolpaths		✓	✓
2D Machining Wizard		✓	✓
Cutter Compensation		✓	✓
Ramping Leads		✓	✓
Edit Toolpath Parameters	✓	✓	✓
Use Multiple Tools		✓	✓
Raised Round Toolpath		✓	✓
Lead In	✓	✓	✓
Lead Over		✓	✓
Lead Angle		✓	✓
Final Pass Cut		✓	✓
Autoposition Lead		✓	✓
Toolpath Sequencing		✓	✓
Fluted Weave			✓

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
3D Machining			
Create A Raster Toolpath That Goes In The X Direction		✓	✓
Laser Machining			✓
Roughing Option		✓	✓
Ramping Option		✓	✓
Create A Raster Toolpath For X And Y Directions		✓	✓
Raster In Any Direction		✓	✓
3D Printing		✓	✓
Feature Machining			✓
Create A V-Bit Carving Toolpath		✓	✓
Create A Z Level Roughing Toolpath			✓
Create Intersecting Horizontal And Vertical Linear Vectors			✓
Grid Creator			✓
Use A Classic Offset Machining Strategy		✓	✓
Machine A Spiral		✓	✓
Cutout Machining			✓
Rest Machining Strategy			✓
Create A Spiral Toolpath In A Box		✓	✓
3D Offset Spiral Toolpath			✓
Offset Machining			✓
Constant Z Toolpath			✓
3D Machining Wizard			✓
Add Surface Links		✓	✓
3D Offset Toolpath			✓
Flip Machining In Machining Wizard Option			✓
Ring Machining In Machining Wizard Option			✓
3D Printing		✓	✓
3D Modeling			
Import 3D Model		✓	✓
Relief Library		✓	✓
Reset Relief		✓	✓
Flip And Rotate Relief		✓	✓
Scale And Size Relief		✓	✓
Smooth Relief		✓	✓
Shading And Lighting Set		✓	✓
Fade Relief Tool		✓	✓
Create A Dome			✓
Scale Relief To Volume		✓	✓
Work Out Area Of Relief Surface		✓	✓
Add A Draft To A Relief		✓	✓
Create A Boundary Vector From Relief		✓	✓

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
3D Modeling (continued)			
Create A Vector Based On Wand Selection		✓	✓
Turn A Concave Shape Into A Convex Shape		✓	✓
Information About Relief		✓	✓
Create A Greyscale From The Relief			✓
Mirror And Merge The Relief			✓
Paste Relief On A Vector		✓	✓
Create A Relief From Image		✓	✓
Shape Editor		✓	✓
Face Wizard Tool			✓
Create A Mesh		✓	✓
Create Swept Shapes On Relief Layers With Vector Artwork		✓	✓
Sculpting Tool - Smooth		✓	✓
Sculpting Tool - Erase		✓	✓
Offset A Relief			✓
Remove Holes On The Surface Of A Selected Relief Layer		✓	✓
Texture A Relief		✓	✓
Create A Ring		✓	✓
Weave Wizard		✓	✓
Split A Relief Into Multiple Slices		✓	✓
Position Model In Material	✓	✓	✓
Extrude / Spin/ Turn Modelling Tools		✓	✓
Constant Height Letters			✓
Paste Relief		✓	✓
Create A 3D Mesh - Advanced		✓	✓
Enable Back Reliefs		✓	✓
3D Blend Tool		✓	✓
Create A Cross Section		✓	✓
Relief Layers		✓	✓
Sculpting Tool - Smudge		✓	✓
Sculpting Tool - Deposit		✓	✓
Sculpting Tool - Carve		✓	✓
Sculpting Tool - Transfer		✓	✓
Sculpting Tool - Putty		✓	✓
Create Angled Pane		✓	✓
Envelope Distort Tool		✓	✓
Paste Relief Wrap			✓
Copy And Rotate A Relief		✓	✓
Assembly Silhouette Tool			✓
Emboss Relief		✓	✓
Gradient Analysis Tool			✓

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
3D Modeling (continued)			
Height Analysis Tool			✓
Contour Blend Tool			✓
Relief Cookie Cutter Tool		✓	✓
Texture Flow Tool		✓	✓
Simulation			
Simulation	✓	✓	✓
Simulation Shading	✓	✓	✓
Simulation Options	✓	✓	✓
2D Simulation View	✓	✓	✓
Optifeed In Simulation			✓
Load/Save Simulation		✓	✓
Copy Simulation To A Relief Layer		✓	✓
File Import / Output			
Load Relief		✓	✓
Entry Level 3D Surface Formats		✓	✓
Basic Level 3D Surface Formats		✓	✓
Toolbox Addins		✓	✓
Psexchange		✓	✓
Load 16Bit Tiff Files		✓	✓
Save Relief		✓	✓
Allow Creation Of A New File By Specifying The Size In Pixels			✓
Text Tools			
Create Text	✓	✓	✓
Create Text Along A Curve	✓	✓	✓
Nesting			
Enables Nesting Of Vectors		✓	✓
Guillotine Cuts		✓	✓
Projects			
Projects			✓
Save/Load Projects			✓
Add/Work With Multiple Model			✓
Open A Mesh In A Project			✓
Toggle Master Project On And Off			✓
Create A Ring Relief From Project			✓
Render The Final Assembly			✓
Project Menu			✓
Drag And Drop In A Project			✓
Other			
Maximum Resolution Size	2000	2000	8000+
Powermill Machining And Export Powermill Projects			✓

Feature Description	ArtCAM Express	ArtCAM Standard	ArtCAM Premium
Other (continued)			
Jewelry			✓
ArtRead			✓