delft spline systems

FREE
CAM software

DeskProto®

CNC machining for non-machinists

1





Vector machining

Based on CAD data from DXF, EPS or AI files.

The illustration shows **Profiling** (for the outer contours) and **Pocketing** (for the text). Other toolpath types for Vector machining are **V-Carving** and **Drilling**. Simply open your CAD file, select a cutter and a few curves and let DeskProto do the rest.

2





Geometry machining

Based on CAD data from STL files.

All DeskProto editions offer 3-axis machining.
This statue of *queen Nefertiti* has been machined in wood with the Multi-Axis edition, using a rotation axis (4th axis) for which DeskProto offers continuous rotation toolpaths. This edition even supports 5-axis milling (indexed).

3





Bitmap relief machining

Based on any image file (BMP, JPG, PNG etc).

This picture of the *Girl with a pearl earring* has been machined as **lithophane**, an image that is visible when illuminated from the back side. DeskProto will calculate the relief by converting gray values to Z-heights. Other 3D reliefs are of course possible as well.



What do you think...

" I use DeskProto because I'm not a machinist. I have other things to do."

Jeweler Mark Morrell
(Concord, USA)

No more racing against the clock for your prototypes!

DeskProto offers three types of machining all in one program. Even the FREE edition offers all three operation types.

DeskProto is a 3D CAM program for 3-axis, 4-axis and 5-axis CNC milling machines. It can be combined with any design program (CAD) and with almost any CNC milling machine. DeskProto offers an **easy, fast and reliable** way to calculate toolpaths and export these as NC program file. This is all available at a very low price, even free of charge: the **FREE** edition offers basic CAM functionality, more functions are present in trial mode. These can be unlocked by activating a paid license, for one of the editions **ENTRY**, **EXPERT** or **MULTI-AXIS**.

DOWNLOAD YOUR FREE CAM SOFTWARE AT WWW.DESKPROTO.COM



Advantages:

- Complete set of tools: 3D machining, 2D machining and bitmap machining, all in one program!
- Complete Rotation axis support.
- Dual user interface: both a wizard interface and a dialog interface in one program. You can even combine both to fine-tune your project after completing the wizard. Available wizards: Simple 3D, Two-sided, Indexed (N-sided), rotation, and others.
- Easy to use: DeskProto is meant to be used by designers, jewelers, hobbyists, etc, and does not require special CNC training.
- Amazingly fast calculations: use the trial version and compare with any competing CAM program.
- DeskProto is a 64 bits program, so it can handle large STL files: up to many GB in size.
- Postprocessors (machine drivers) are free of charge, and also user-configurable.

What do you think...

"Working with DeskProto is fantastic: fast, reliable, smooth, easy to learn."
Casimiro Mondino *(Italy)*

"An excellent program that offers us a lower-cost, much more flexible and faster alternative to other Rapid Prototyping technologies."
Johannes Gaston Design *(USA)*

"DeskProto is part of my everyday life, as much as having a beer after work. There is no milling program that can convert a 3D file to toolpaths faster than DeskProto."
Rudolf Thiele *(Germany)*

Applications


www.brandesenmeurs.nl

Product Design
Use your milling machine as a Rapid Prototyping system


www.digital-jeweller.com

Jewelry
Machine very smooth wax models for investment casting


www.deskproto.com

Arts
Sculptures can be machined in any size and in any material


www.epokemodeller.dk

Hobby
Scale models, RC airplanes and boats, figurines, etc.


www.roberts-chocolate.com

Food and sweets
Even the wildest designs can be realized easily


www.donas.nl

Moldmaking
Injection mold cavities, thermoforming patterns, molds for composites, etc.


www.plc.qld.edu.au

Education
Offer your students hands-on CNC experience within a short time frame


www.deskproto.com

Woodworking
Reliefs, signs, ornaments, even the most complex designs


www.ftonline.eu

Medical and Dental
Machine custom prostheses, insoles, braces, and crowns in any material


www.deskproto.com

Lithophanes
Artwork that can only be seen when illuminated from the back side

No more racing against the clock for your prototypes!



DeskProto V8 is available for all major operating systems:
for **Windows** it needs Win10, Win 11 or newer,
for **MacOS** it needs Catalina (10.15) or newer,
for **Linux** it needs Ubuntu 20.04 or newer (it wil run on most other distributions as well).
Minimum 4 GB RAM and 100 GB disk (more is better) and an Open-GL (V3 or newer) compatible graphics card.
Input formats: DXF, SVG, EPS, AI (curves), STL, 3MF (geometry), BMP, GIF, JPG, PNG, TIFF, WebP (images).

DeskProto is a product of Delft Spline Systems
Located in Utrecht, The Netherlands
Phone: +31 30 296 5957
Website: www.deskproto.com
Email: info@deskproto.com

Made in Holland
All Rights reserved
© Delft Spline Systems

DeskProto®

FOR MORE INFORMATION VISIT WWW.DESKPROTO.COM