delft spline systems

NEW!
ROTATION MILLING
2-SIDED MILLING

DeskProto ™

NO MORE RACING AGAINST THE CLOCK FOR YOUR PROTOTYPES!

We present you DeskProto™ featuring Desktop Prototyping.

DeskProto is *fast,* it's *safe* and it's very *easy* to work with. Enter the world of *really* rapid prototyping **NOW !**

DOWNLOAD YOUR
FREE DEMO VERSION
AT WWW.DESKPROTO.COM

DeskProto is meant for any company that needs in-house facilities for **rapid prototyping**. Stereolithography machines are far too expensive, however a small NC milling machine combined with DeskProto is affordable: offering **Desktop Prototyping**. The advantages are clear: you no longer have to wait a number of days, your prototype is ready within hours! The design process will be clearly accelerated.

MADE IN HOLLAND

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THE ADVANTAGES OF...

RAPID PROTOTYPING: • Saving of time during the design process: an earlier product introduction will give you an important time advantage over the competition • Saving of money by automatically creating prototypes instead of by hand • Improving product quality by testing and improving the design in an early stage of the design process, long before production tooling • Improving communication within the design team and with third parties • **NC MILLING VERSUS LAYER ORIENTED TECHNIQUES:** • Affordable machines make it possible to create the prototypes in house, much faster than by a service bureau: interactive prototyping • No problems with STL files that contain inconsistencies like cracks, self-intersecting surfaces or orphan surfaces • Lower price per prototype • Free choice of materials • Free choice of accuracy: a higher accuracy than stereolithography is easy because with NC milling the prototype does not deform after creation • Easy transfer to production tooling, which will also be done using NC milling • **DESKPROTO VERSUS 'CONVENTIONAL' CNC MILLING:** • Easier to use: while conventional milling requires a trained CNC operator to correctly set all parameters, *Desk-Proto* can be operated by designers without CNC training • Faster operation: using conventional CAM software takes hours of work to create and test the milling paths; *DeskProto* does the job fast, fully automatically and completely reliable.

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HOW DOES IT WORK

Starting point for **DeskProto** is a .STL-file. This filetype is standard for all types of rapid prototyping, and contains a geometry-description in the form of small triangles. Any current 3D CAD-system is able to write this type of file. Also DXF-files from 3D Studio can be processed. *DeskProto* reads the file and displays its contents. At this point it is possible to scale the geometry, translate, rotate etc. After entering some milling parameters (type of cutting tool, required accuracy, etc) *DeskProto* will fully automatically calculate the milling paths.
No danger for damaging the model: guaranteed gouge-free! Send the path information to the desktop NC milling machine in your own office, and you will have your prototype ready: within a few hours!

WHAT DO *YOU* THINK...

'I love your name, your concept, your software... Brilliantly simple and so effective! I find the results better than with the 12500 USD CADCAM software I used before'
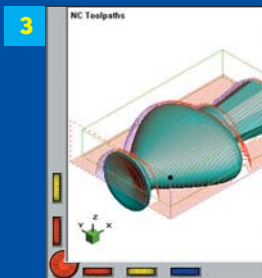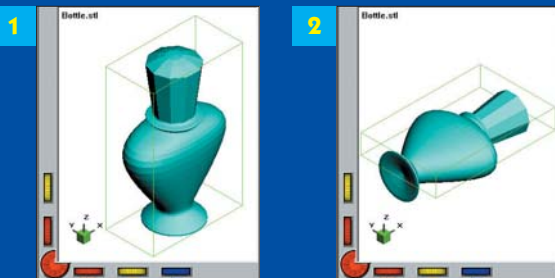*Paul Isabelle, Canada*

'All is working well. In two days the software has paid for itself'
Paul Buscemi, USA

'Great product. We used XXX, however this knocks the spots of it.'
Steve Wilkinson, Leeds Metropolitan University, UK

PROTOTYPING HAS TO BE ON YOUR OWN DESK TO BE REALLY RAPID: DESK*PROTO* IS THE SOLUTION YOU CAN AFFORD!

DeskProto is a 32 bits Windows® application: it will function correctly using Win 95/98/NT/2000/XP or newer. Minimum required hardware is a Pentium PC with 32 Mb RAM and 40 Mb free disk space. *DeskProto* has no maximum for STL file size and prototype dimensions. *DeskProto* works with any 3-axis and 4-axis CNC milling machine. *DeskProto* application areas: Concept modelling • Styling block models • Rapid moulds • Reverse Engineering • Jewelry creation • In foam, wax, tooling board, various plastics and non-ferrous metals.

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THE PICTURES

1 Read in geometry using STL or DXF file from any 3D CAD system. **2** Evaluate the geometry, if needed change size and orientation. **3** Let *DeskProto* calculate NC milling paths (it's easy, you don't need any NC knowhow). **4** Send data to the NC milling machine to create your prototype. **4** Ready within one hour!

Your authorised DeskProto dealer: