

Tangent 6

Tangent 6 is the latest release of Aeronaut's industry-leading cutter driver and nesting software. Tangent has always been at the cutting edge of machine control software in the industrial, recreational and technical textiles field and now Tangent 6 has many new features which put it further ahead and make this an essential upgrade.

Multi-tasking. You can now have your cutter working in the background while you open, configure and nest other jobs. With Tangent's sheet based cutter control window, you always know what job is cutting and can pause, cancel or change a job at any time with a click of the mouse.

Background nesting. Set a job to autonest in the background or queue a whole set of autonesting jobs to run while you are opening, configuring and cutting other jobs.

Template based. With templates, you save entire cut configurations so factors like tool assignment, speed, acceleration, overcut or undercut, smoothing etc. are saved and can be re-used on new queues. The next time you need to use a configuration, you just import your patterns into a template and hit the cut button.

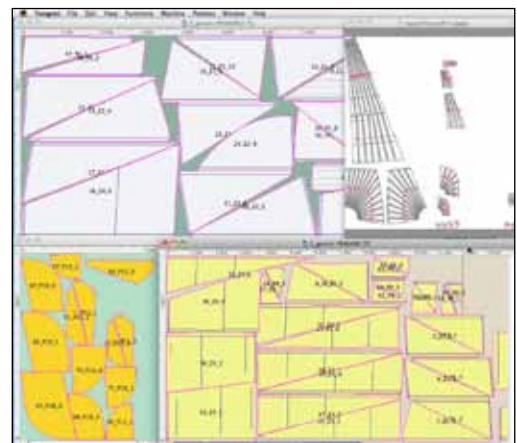
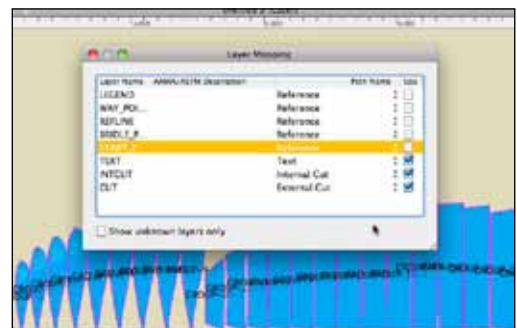
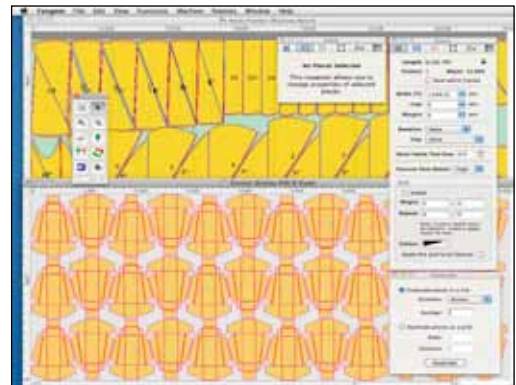
With Tangent 6, external programs like ParaSol link with Tangent templates so patterns open directly in the right template with the right nesting and cutting configurations pre-set.

DXF Imports. Handling very large DXF files in Tangent has been greatly improved. Translation routines have been added for many more esoteric spline types and support for text entities with large quantities of text has been added. Most importantly, you no longer have to make sure your files conform to DXF-AAMA layer naming conventions. All your DXF layers can be mapped to Tangent tool paths and saved as a template.

Multiple windows and Open GL graphics. Tangent has always had multiple windows and now with Open GL graphics, they are even more usable. Patterns have transparency so you can clearly see overlaps and previously hidden patterns in a queue. Dragging patterns between windows is faster and more intuitive.

64 bit universal Cocoa application. Tangent 6 is a 64 bit application which has all the user interface controls and features which you expect in modern applications.

Unlimited Undos. With multiple undos, you can play around with a nest for ages secure in the knowledge that you can undo the whole lot if you want to. All this with no speed hit.



TANGENT ~ THE CLOSEST THING TO ACTUALLY CUTTING FROM YOUR CAD PROGRAM.

View cut points. With Tangent 6 you can see both your original design paths and the path your cutter will take around a pattern. If there's smoothing applied or if your design program has output a path as a spline or a polygon, you can see exactly how a path will cut and use Tangent 6's new tools to change this if required.

Change cut direction. With Show cut points selected, you can now click on a corner point of a path to change the direction of a cut. Essential when cutting tight queues in difficult material.

Change start points. With Tangent 6's new start point tool, you can guarantee that the start points of cut paths exported from your designs or CAD software will be where you want them to be.

Change cut paths and tool assignments. Even if you only have one cutting tool and a pen, it makes sense to split your drawings up into different cut paths to give you more flexibility when working for example to change overcuts or undercuts, to use a different cut speed or pressure or to change the cut order in a pattern. With Tangent 6, you can quickly change path assignments without needing to go back into your design program.

Edit corner points and smoothing. The fastest way to work has always been to draw a pattern in CAD software and let Tangent work out what is a corner and what is a point on a curve. The trouble is that even the best design software sometimes makes mistakes and you may need to turn a curve point into a corner or a corner into a point on a curve. This is now easy in Tangent 6 and your changes are saved in the file.

Intelligent splitting. With Tangent 6, splitting patterns has never been so easy or accurate and you can quickly can split any pattern and all internal paths adding seam allowances and strike up marks.

Calculations in edit fields. In Tangent 6 edit fields, enter simple formulae and let Tangent do the maths for you.

Calibration Assistant. Automated cutters need to be accurate and to make this as easy as possible for busy workers, Tangent 6 has a simple user friendly calibration assistant to walk you through the routine of calibrating and aligning your machine

Password protected preferences. In Tangent 6, critical configuration pages in preferences are password protected to make sure that important elements in the machine configuration are only changed by qualified people.

Tangent 6 has a vast array of features and tools which keep it's position as the highest performing software in the industrial, recreational and technical textiles field.

