



Hard-working Plotter-Cutters for Hard-working Sail Makers... And Boat Builders... And Mast Makers...

Aeronaut Automation sets the benchmark for performance and price in sail maker's and marine industry plotter cutters. Powerful, accurate, highly versatile and very reliable. Our low-cost laser cutters, heavy duty rotary blade cutters and yarn laying plotters are used all around the world where equipment is expected to work hard and to last more than just a few seasons.

Norths, Quantum, Ullmans, Sobstads, Marstroms, RMW, Dimension-Polyant, UK-Halsey, Doyles, Elvstrom Superyacht, Renegade Sails, China Sail and a host of owner operated sail lofts all rely on Aeronaut machinery to get the job done, whether it's cutting heavyweight cloth for super yacht sails, or pre-preg composites for hulls and masts.

It doesn't matter what you make in the marine industry... super yacht or dinghy sails, composite masts and hulls, boat covers and biminis, giant inflatable boats or seats and upholstery, an Aeronaut machine will plot it and cut it.

And almost everywhere string sails are made you'll see Aeronaut yarn laying plotters... up to 10.5 metres wide and 45 metres long. Factories in the USA, Spain, Germany, China, Malaysia, South Africa, New Zealand and Australia are all working with Aeronaut hardware and software.



The Hardware...

Unlike most manufacturers who make low-cost plotter cutters, Aeronaut Automation offers a full range of machines for work with industrial and recreational textiles... from simple single blade and marker pen to multi-tool plotter cutters, laser cutters and 10 metre wide yarn laying systems. And while our multi-tool machines are market leading in terms of power and versatility, our entry level machines are absolutely no-compromise in terms of engineering and performance.

Aeronaut's Elektron range features a light and stiff gantry profile designed for the best speed and accuracy when cutting and minimum adjustment and maintenance over a long working life.

All cutters in the Elektron range now carry Aeronaut's unique Cam-lock tooling. This means that even on the simplest machine you can change from a rotary blade to a drag blade, drill punch or creasing tool in just a few seconds, to tackle the most demanding jobs.

The Elektron Mono LC is made in cut-widths up to 2.05 metres, and the Elektron Mono WS spans up to 6.5 metres.

The Elektron Laser Z is a break-through low cost laser cutter. Carrying the new generation of "all metal" air or water cooled lasers, the Elektron Laser Z is capable of very high cut speeds and dynamic acceleration giving outstanding performance, a long service life and excellent return on investment.

The Elektron Quattro is the Swiss Army Knife of plotter-cutters. Available in two, three or four steered tool versions, each steered shaft can be fitted with any tool in the range of Cam-lock tools from cutters and creasers to notch tools and drill punches. Elektron Quattro machines can be easily upgraded in the field to the full four tool capacity. If you are looking for a multi-tool plotter cutter, why settle for something with ideas fixed in the past, when you could have a future-proof Elektron Quattro?

The Elektron B2 cutter has two steered toolholders which take top-loading bayonet lock quick change tools. The large diameter of the toolholders allows the Elektron B2 to carry powered tools like reciprocating blade cutters and Ultrasonic tools in addition to the normal range of cutting tools.

Aeronaut has been designing and supplying specialised machines for work in yarn laid or string sail production since 1996 and our systems are in use in factories all around the world. Yarn laying plotters are manufactured in widths from under 2 metres to machines spanning more than 10 metres with a wide range of different options available depending on the technology being used.



The Software...

A key part of any automated cutting system is the software used to drive it. Although you can use Aeronaut plotter cutters with most sail design and plotting software, Aeronaut's Tangent program is the most powerful, best priced and easy to use nesting software on the market for sails and marine work. Tangent has been designed from the start to work with sail making and industrial textiles, and reads all common CAD and sail based file formats.

Rather than develop another expensive and second-rate panel editing program, we've designed Tangent to save and export its files in a standard CAD format. You can do design and pattern editing in a fully featured, low cost CAD program and bounce patterns to Tangent and back without losing information. Using colours, you can organise the cut sequence of patterns and control tool speed, acceleration and even cut pressure... far more than with most plotter setups.

Using simple plug-in CAD tools you can also design a range of other products like boom covers and snuffers with a few numeric entries and mouse clicks. And being a standard CAD program you can also open and plot all the normal CAD files such as logos, boat lines plans, keels and rudders.

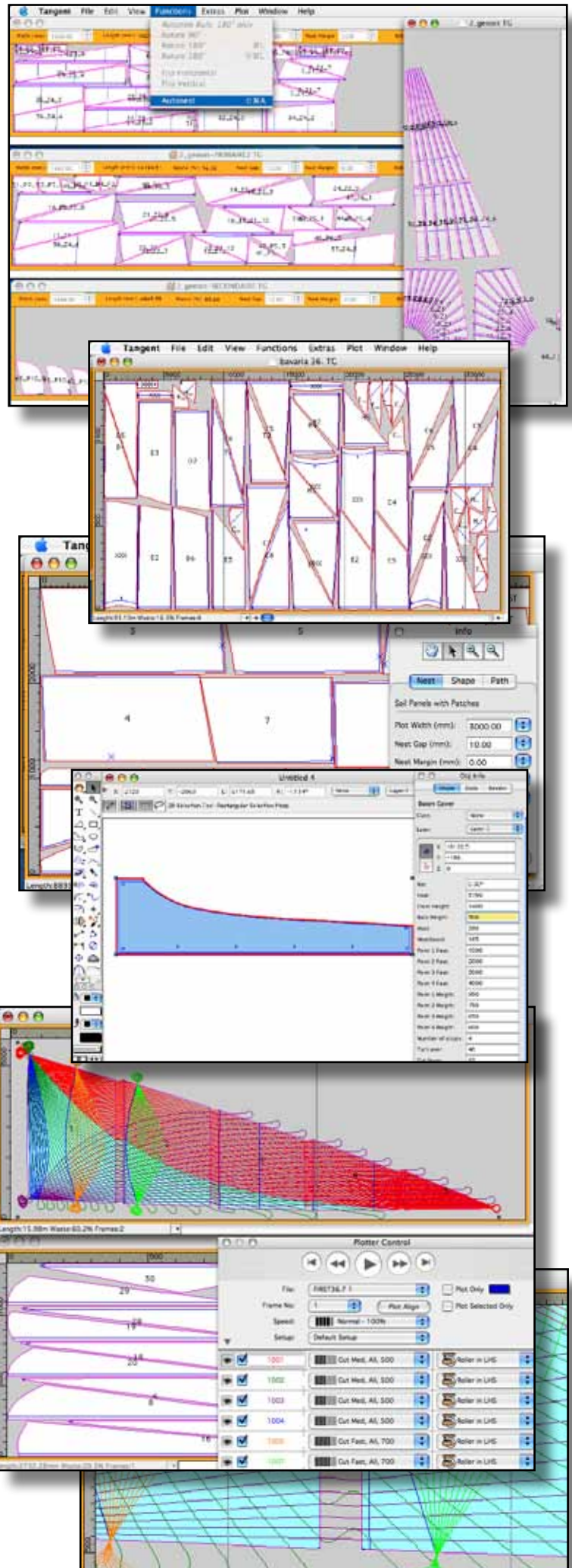
Of course Tangent can open a vast range of sail software based files from programs such as Sailpack, Sailmaker, SMSW, SMAR and Fabric etc. but unlike most other sail plotting programs, you're working in a modern multi-window environment. You can open all the fabrics in a sail at once and drag panels from one queue to another.

Our software is compatible with garment design software such as Optitex and can import DXF/DWG files from customers and suppliers. Properly formatted, these files are ready for immediate cutting.

Tangent's is the only program at this level in the market to feature in-built auto-nesting. So you can save literally hours a day when nesting large files such as spinnakers, and save metres of fabric at the same time.

Tangent also has a range of powerful features for working with string sails such as loop development. You provide the paths, and Tangent does all the hard work. Tangent also has the best tools for controlling plot order, speeds, acceleration with full framing options.

We've worked hard to develop an automated cutting system which is powerful, flexible and affordable, but one which does not limit your freedom to work with the software, materials and techniques you want.



Training and Support...

Installation and training is available with all Aeronaut plotter cutters by factory trained technicians. Machines like the Elektron Mono LC may be self-installed on existing cutting tables but in most cases Aeronaut technicians will install the complete plotter, vacuum table, computer and software.

The installation team sets up the machine and computer in your factory and trains your maintenance staff in operation, maintenance and calibration.

Our software trainers take your staff through the process of patterning for automated cutting, converting patterns, nesting and the operation of the plotter. Cutting variables like speed and cut pressure are set up and saved for your patterns and materials.

Tutorial videos on CAD and design software, calibration and maintenance information is supplied on CD. Additional training can be provided on site, or at Aeronaut's premises.

Qualified technical support is always available from the factory or Aeronaut distributors whether you bought your plotter years ago or yesterday.

Aeronaut programmers can customise software or develop custom parametric plug-ins to automate your pattern design.

If you need advice on moving a plotter, resurfacing a vacuum table, maintenance, calibration, spare parts, file importing or software upgrades, Aeronaut has mechanical, electronic and software specialists who can answer your questions and keep your machine running profitably year after year.

Plotters can be upgraded or retrofitted as your work and technology changes. Accessories such as ink jet markers, drill punches, laser pointers and digital imaging systems can improve your profitability and maintain your investment in automated cutting.

Aeronaut sell and distribute full spares for machines, and a wide range of plotter consumables such as pens, blades and punches as well as computers and software.



FOR DISTRIBUTOR & INFORMATION CONTACT:

AERONAUT AUTOMATION ~ 4-6 TERPKO
ROAD TERREY HILLS NSW 2084 AUSTRALIA
PHONE (61-2) 9450 0800. FAX (61-2) 9450 0477
WWW.AERONAUT.ORG EMAIL INFO@AERONAUT.ORG