

PRODUCT *Choice*

Second Tekcel router for 2G products

Despite the near arctic weather conditions that most of the UK experienced at the start of the year, Tekcel CNC Solutions soldiered on through snow and ice to deliver and install a new Tekcel router for its customer, 2G Products, located in Aberdeen where temperatures as low as -20c were recorded during the big freeze.

2G Products supplies the marine and oil industries with a wide range of printed and engraved signs, identification plates and control panels. The company boasts a wide range of printing, cutting and engraving technology, including a Tekcel router that has served the business faithfully over the past five years.

According to Grant Goodwin, 2G's Managing Director, the addition of a second Tekcel router opens up exciting opportunities for his company to expand its business operations. "Our new Tekcel router has been fitted with OptiCAM, Tekcel's digital camera system option that automatically aligns router toolpaths to print registration marks, so we can print control panels direct to rigid substrates like aluminium and use the router to engrave, counter sink and profile cut with a high degree of accuracy."

Many of the marine and oil industry applications undertaken by 2G's routers require pinpoint precision and the machines are often required to work to engineering tolerances.

According to Huw Davies, Tekcel CNC Solutions, "...all Tekcel routers benefit from recirculating ballscrew drive systems on every axis - powered by closed loop, digitally encoded servo motor technology. As a result, our routers deliver class leading levels of accuracy, repeatability and productivity."

Featuring cutting areas that can easily accommodate an 8'x 4'



2G's new Tekcel router has been fitted with OptiCAM, Tekcel's digital camera system.

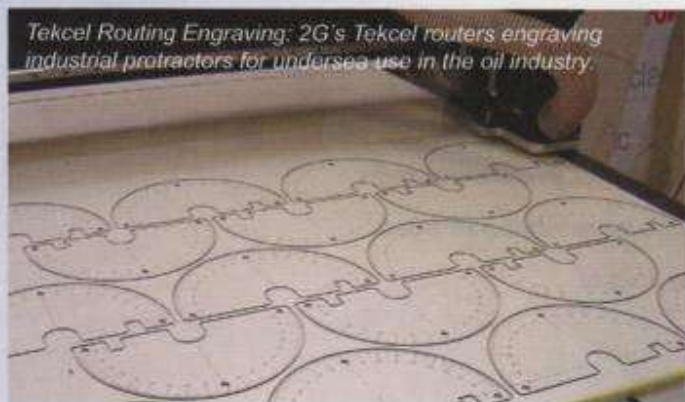
sheet and powerful vacuum hold down beds, not only do 2G's routers perform profile cutting and routing duties, they are more than capable of detailed engraving work too.

One particular application that highlights the unerring accuracy and versatility of 2G's routers can be seen in the industrial protractors the company produces. Engraved and profile cut from sheets of Traffolyte material, the protractors are used by the oil industry for sub-sea geometrics. The protractors are attached to an alignment tool that fits to the flange on a sub-sea pipeline during assembly. Divers use the gauge to take precise measurements for subsequent pipe joins. The pipe is then raised to the surface and joined at the measured angle. Obviously, the accuracy and visibility of the protractor markings are critical in these undersea operations.

With two Tekcel routers operating side by side in the workshop, 2G Products now has additional production capacity and the ability to prototype new applications or machining techniques without impacting on the excellent service levels it offers its customers.

Tekcel CNC Solutions supplies a wide range of cnc routers in bed sizes up to 4m x 2m as standard. Tekcel routers are available as single tool and multi tool systems.

For further information, contact 2G Products on 01224 682682 or Tekcel CNC Solutions on 0844 800 5045.



Tekcel Routing Engraving: 2G's Tekcel routers engraving industrial protractors for undersea use in the oil industry.

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