

Jacks unveil the 'Mityboy'

Jacks have introduced a new CNC design and production package that makes the many benefits of 'nesting' available to a new range of cabinet makers in New Zealand. The 'Mityboy' package is designed to offer everything a company making the step to nesting requires, and all from just one source - Jacks. Featuring PRO100 3D design & production software, nesting software, a Mityboy cnc machining centre, tooling, extraction, and training, nesting technology has never been so affordable in New Zealand.

Nesting is well known to be a flexible, efficient and cost-effective method of production. Compared to the traditional panel-saw based method of producing a kitchen, nesting offers enormous cost and time savings. But getting into CNC technology has traditionally been only for the big boys – expensive, involving national and international suppliers, and often fraught with software integration problems. Jacks have addressed these issues and come up with a flexible package offering affordable technology and full support. Jacks support everything: hardware and software. No integration issues with different components, and no late night phone calls to European software suppliers.

Prices for a Mityboy are considerably less than you would expect. Depending on finance options the cost of owning the full package, including software and dust extraction can be as little as \$15 dollars an hour. Compared to the cost of taking on labour, the reasons to invest in a machine that works by itself, optimises the use of your material, and cuts so accurately becomes pretty compelling.

The Mityboy

The hub of this entry-level CNC package is the 'Mityboy' – an Australian manufactured flatbed cnc machining centre. Build quality is top-notch. The Mityboy features a rigid, gantry design (rather than cantilever) meaning the spindle is fully supported regardless of its position. There are closed loop servo motors on all axes – and twin servos on the x-axis. Consequently accuracy is on a par with the largest, most expensive CNC machines – because the two separate rack-and-pinion guide feature independent measurement and automatic self-adjustment.

An 8kW variable speed HSD spindle provides plenty of power for even the most difficult materials – including solid wood – while a 7 position tool change with quick release gives secure tool holding and an easy set up. And with cutting speeds of up to 28m/min – only limited by the same cutterhead technology that holds back much bigger European models – Mityboy can work fast when speed is required.

With a 2440 x 1220mm (8' x 4'') processing area, the Mityboy takes up less space than a panel saw. A hand-held control panel has all the commonly used functions including variable speed adjustment and job interruption, and with tool-position memory you can continue your



Tony Christiansen of Jacks Auckland office demos the Mityboy.

sequence from the point of interruption, rather than having to run the whole sequence again – even after power loss. There's also a 15" LCD monitor where you can test run your job in 2D or 3D before drilling or cutting. Accuracy is to within 0.025mm – and with holes drilled and panels cut to this level of accuracy, assembly becomes much simpler, and quicker.

For someone producing just a few kitchens a month it's not necessarily these high-end specs that will hold the most appeal. Making the step to invest in CNC technology is a significant one, so Jacks have chosen a machine with features that make the transition to CNC as simple, and as fast, as possible. Mityboy's automated warm-up and shut-down procedures, or automatic tool-length sensing are good examples. Mityboy really is 'CNC made easy' – meaning there's no need for a specialist operator. Even maintenance is minimal: for example Mityboy's bearings are a standard size throughout the machine – and can be lubricated by the operator.

Another huge benefit to a smaller shop is that once a panel is loaded and a drilling and cycle started, the operator can be working elsewhere – edgebanding, assembling – or perhaps even designing the next kitchen! Because another part of the Mityboy package is PRO100 – 3D design and production software in a special version that links seamlessly to the Mityboy.

PRO100

PRO100 is windows-based, and most of the design operations are realised quickly and easily just with the mouse. Flexible, it comes with a library of parametrically designed kitchen cabinets, and will create stunning designs to show a client. It also produces machining code for Mityboy's nesting software, and simultaneously generates cutting and hardware lists, plus other data essential for costing or pricing. Training in PRO100 is included as part of the Mityboy package.

The time is right for investment

As businesses seek to minimise labour and material costs while retaining flexibility to meet customer demands, Jacks believe that there has been no better time to consider the payback from investing in nesting technology. The simplicity and affordability of a Mityboy means making the jump to CNC technology is now within reach for even the smallest cabinet maker.

Mityboy demonstrations are available at the Auckland or Christchurch showrooms, while PRO100 software demos can be arranged directly with your local Jacks rep.

For further details about Mityboy, talk to Jacks today, freephone 0800 332 288, sales@jacks.co.nz, www.jacks.co.nz