



## **Okuma– Catering for Industry 4.0**

*Okuma Australia's stand at Austech is an introduction to the future of manufacturing, with the latest lathes, machining centres, multitasking machines and robotics, plus the latest in Internet of Things (IoT) Connectivity Solutions with the Okuma Connect Plan.*

On display will be the Okuma LB 3000EXII CNC lathe, built on Okuma's Thermo-Friendly Concept to ensure minimal thermal growth and a slanted box-bed construction that translates to unsurpassed quality and rigidity. With high-powered torque, the machine delivers high-quality machining from heavy to high-speed cutting, and with its operator-friendly Okuma OSP-P300LA control, the machine is easy to operate and to integrate with other peripheral equipment.

Stepping into the next generation is the GENOS M460V-5AX five-axis machining centre with OSP-P300MA-H control, specifically designed to manufacture precision parts and deliver impressive metal removal rates in a compact design. Its solid double-column structure, full five-axis simultaneous control and thermal stability provide the ability to easily cut a variety of materials. Not to be missed, this affordable machine provides high productivity and profitability from a small footprint.

Also featuring on the stand is the Okuma MB-5000HII horizontal machining centre, offering quick acceleration, short tool changes and high power to improve productivity. This machine can be outfitted with either a 15,000 or a 20,000rpm spindle and can run with an Okuma pallet system.

With its automatic tool changer and sub-spindle, the Multus U3000 multi-tasking machine can be optioned with a tailstock/sub-spindle and a lower turret. It can complete the work in one set-up with tools to spare in the automatic tool changer (ATC), with a standard offering of 40 tools and options for 80, 120 and 180. The machine has a 240° B-axis range with a 12,000rpm H1-milling spindle. Familiar programming methods from both lathe and machining centre disciplines blend easily thanks to the Okuma OSP-P300SA control, giving advanced functions such as 'Collision Avoidance System' as standard.

The IoT connectivity solutions under the Okuma Smart Factory 'Connect Plan' allow real-time analysis, ongoing enhancement, unique functionality and transformational results. Okuma's 'Connect Plan' is a software-based system that collects machine tool data and provides information that can be used to tune processes and improve productivity. The 'Connect Plan' provides analytics for improved utilisation by connecting machine tools and providing visual information of factory operations and machining.

Under the theme 'Connect, Visualise, Improve', you simply connect the OSP control to a server and install the Factory Monitor suite to see the machine operation status from the shop floor, office, smartphone, or virtually anywhere. As Okuma will demonstrate, the 'Connect Plan' is an ideal solution for customers trying to improve machine utilisation. Okuma's remote diagnosis allows the screen from a customer's machine to be viewed at the Okuma Service Centre when a problem occurs - enabling an efficient diagnosis to be made.

To cap off Okuma's 'must-see' stand, the Robojob compact user-friendly, cost-effective and portable robot system is capable of automatically loading and unloading CNC lathes, machining centres and other production machines.

**Okuma Australia Pty Ltd**

**[www.okumaaustralia.com.au](http://www.okumaaustralia.com.au)**

**Stand: 740**