



## FANUC introduces smarter, faster, greener and more compact robot controller

The latest robot controller to be introduced by FANUC is packed with smart features to take control and productivity to the next level. Four key focus areas allow the new FANUC R-30i/B robot controller to save up to 77% floor area, programme faster and easier, save power and maximise productivity.

Overall volume of the compact new R-30i/B design is reduced by 68%, measuring just 500mm x 600mm x 470mm. The design provides further benefit in multi-robot systems where the controller is able to stack up; three stacked up controllers reduces the floor space required by 77%.

Using the same platform as the new FANUC 30i CNC controller, the completely revised robot controller packs the same power, and more, as its larger predecessor with more than 4,096 I/O supported, 40 axes control capability and 8 motion groups, up to 4 line tracking encoders and support for most common industrial communication/bus systems.

Making programming and interaction easier is the new FANUC iPendant Touch which comes with a 4D graphic function. The new pendant provides real time visualisation of process on its touch screen monitor making programming and editing faster. Typically, using 3D graphic simulations, the programmer can save time by easily seeing all active safety zones both when programming and importantly when recovering.

Energy saving is high on the feature list of the new R-30i/B controller with improved energy efficiencies helping to contribute towards all important profit margins. Automatic motor braking, after exceeding a programmed idle period, allows motors to reduce power but still maintain arm position. Similarly cooling fans are stopped when not required and regeneration of power is enabled through an optional unit.

Improved software features on the new controller further provide opportunities for reducing cycle times and maximising productivity. Learning Vibration Control (LVC) increases robot speed and acceleration for a given path providing typical increases of 8%-10% cycle time improvement.



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Video and images:

Contact David Wickham [davidw@jonoliver.com](mailto:davidw@jonoliver.com) for digital images or URL link at bottom of e-mail.

Video link: n/a

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Notes to editors:

**FANUC UK** provides industrial automation solutions from the supply of CNC controllers, robots, drilling machines, EDM and injection moulding machines through to the complete integration of factory automation systems.

Providing a single customer support portal for its three core businesses, FANUC UK comprises FA – CNC Controllers, motors and drives,

Robotics – industrial robots and systems, Robomachines – EDM, Injection Moulding, drilling machines.

**FANUC Corporation** is a world leading manufacturer of Factory Automation (FA), robots and Robomachines. Since its inception in 1956, FANUC has contributed to the automation of machine tools as a pioneer in the development of computer numerical control equipment. FANUC technology has contributed to a worldwide manufacturing revolution, which evolved from the automation of a single piece of machinery to the automation of entire production lines.

**FANUC** employs 6,500 people world-wide. Based at the foot of Mt Fuji, near Lake Yamanaka, FANUC's factory uses over 2,000 FANUC robots to support a monthly production capacity of 30,000 CNC controllers, 5,000 robots, 250,000 servo and spindle motors and 5,000 robomachines and 250 CO2 lasers.