


# Renishaw launches FixtureBuilder software

 Renishaw has launched its FixtureBuilder 3D modelling software package designed to allow the off-line creation and documentation of fixturing set-ups. FixtureBuilder is said to offer a wide range of customer benefits, derived from Renishaw's understanding of metrology best practice and component inspection.

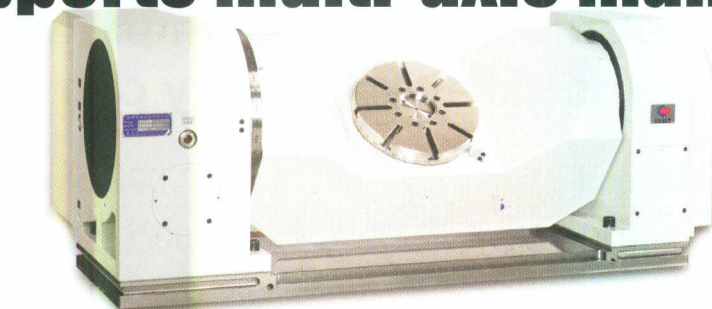
The company says that it offers clear and well-organised component libraries, intelligent 'drag and drop' functionality, quick manipulation of parts and an easy-to-use constraint mechanism. The user experience is further enhanced by the software's full CAD compatibility and the availability of custom libraries. The 'build it' function is another

of the key benefits available to FixtureBuilder users. It automates the production of work instructions and bill of materials for every fixture set-up to help ensure compliance with quality standards and assist with product ordering. The software is available to all existing and future Renishaw customers to complement and

further improve the productivity of their fixtures and other inspection equipment. It is available for purchase through the Renishaw distribution network, as well as the Renishaw web shop. A free seven-day demonstration is also available upon request. For further information [www.renishaw.com](http://www.renishaw.com)

# Leader supports multi-axis manufacturing

 Leader Chuck Systems has recently added the Exact Machinery range of precision CNC rotary tables and indexing units to its product portfolio. Taiwan-based Exact Machinery has over 20 years' experience, is ISO 9001 accredited and produces over 3000 units each year using its 180-strong workforce. The NCT, TRT and ERT range of worm and wheel drive CNC tilt-and-turn rotary tables are available in a range of sizes, from 125 to 500 mm diameter. They feature a wear-resistant design with high rotational torque, dynamic accuracy and easy installation and maintenance, says the company. Mounted in either a horizontal or vertical plane, the tables are



used to add 4th- and 5th-axis capability. Inside the rotary tables, the worm shaft and worm gear system define its accuracy and life. Through the strict inspection and in-house machining of the worm system, Exact says it guarantees optimal performance and high dynamic durability. Material selection for the

rotary tables includes high tensile aluminium-brass – equal in strength to a steel alloy – for the worm gear, and a hardened alloy steel for the worm shaft. The combination of brass and alloy steel offers less friction so the rotational motor torque is transferred efficiently. Moreover, the worm gear has a big pitch diameter that offers large

engagement and less pressure on the contact surface, giving increased wear resistance. The HC range of automatic indexing tables can be used with the worktable in either the horizontal or vertical plane, and are suitable for use on machining centres, rotary transfer machines and almost any type of manufacturing system. Sizes range from 200 to 500 mm diameter, and up to 1800 x 1800 mm for the heavy duty models. Rotation is by a worm and wheel driven via a servomotor, hydraulically clamped through a three-piece coupling that generates a resistance to high machining forces for positioning accuracy and rigidity. For further information [www.leaderchuck.com](http://www.leaderchuck.com)