

Robots save space at Motek '08

TM Robotics, Elmotec and ICS will show a series of space saving industrial robots at this year's show

TM Robotics will be exhibiting at this year's Motek, the international trade show for assembly and handling, in Stuttgart's Neue Messe between September 22 and 25. The company can be found on two stands, the first of which is shared with ICS Industriedienstleistungen GmbH and can be found on stand 1229, in hall one. Here TM Robotics will be showing two of the smallest robots in the company's range - the TH250A and the TH180. The second exhibit, which is shared with Elmotec, is in hall seven on stand 7438, and features a ceiling-mounted Toshiba Machine SCARA.

"There is a real theme of space saving in both of our exhibits this year," explained Nigel Smith, managing director of TM Robotics. "A ceiling mounted robot can be the best way of saving space in a robot cell, while the other two SCARA we are showing have such small footprints that they can be used in the most cramped environments. We are literally talking about robots the same size as a sheet of A4 paper. This reflects both the demand from end users for ever smaller and more efficient equipment and the broadening scope of the SCARA's appeal. It is now very common to find these robots in labs and electronics manufacture, thanks to their outstanding precision and repeatability."

The TH250A's small size means its ideal in test and assembly applications, secondary packaging and laboratory handling. The robot features a built in PLC and has a payload of up to 3kg and repeatability of +/-0.01mm. The TH180 is also perfect for laboratory, education, electronics and other high precision assembly applications, thanks to its 180mm reach, 2kg payload and outstanding 0.35 second cycled time.

The TH450T, featured on the Elmotec stand, is amongst the quickest SCARA robots of its size on the market and achieves cycle times of less than 0.3 seconds. Arm lengths of 450mm and a payload of 5kg complement the TH450's enhanced speed capability, while repeatability is an impressive ± 0.01 mm. Linear and circular conveyor synchronisation capabilities are also offered, creating a very powerful package when combined with easily integrated vision systems. At Motek, the robot will be operating hand in hand with a dual conveyor tracking vision system, using two Cognex cameras, making it ideal for end of line packing.

The TM Robotics team will be on hand at the show to answer questions about the entire range of Toshiba Machine SCARA and Cartesian robots, as well as ABOT - an innovative system for opening packages in incoming goods operations. Video of the TH450T in operation at Munich's specialist industrial robot show, Automatica, and a copy of this press release is available to cut and paste from www.tmrobotics-pr.blogspot.com.

Ends - 474 words

Editor's note: If you want to stay constantly up to date on the latest news from TM Robotics, paste the following link into your RSS reader <http://tmrobotics-pr.blogspot.com/atom.xml>. If you don't have an RSS reader, I can recommend the following free package Sharp Reader.

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About TM Robotics: TM Robotics (Europe) Ltd is responsible for the sales, marketing and support of Toshiba Machine's Industrial Robots throughout Europe. The two companies offer an extensive range of SCARA and Cartesian robots, sold with the aid of a comprehensive network of system integration partners and distributors. Toshiba Machine's SCARA robots find applications in industries ranging from food and pharmaceuticals to electronics, packaging and automotive component handling.

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