

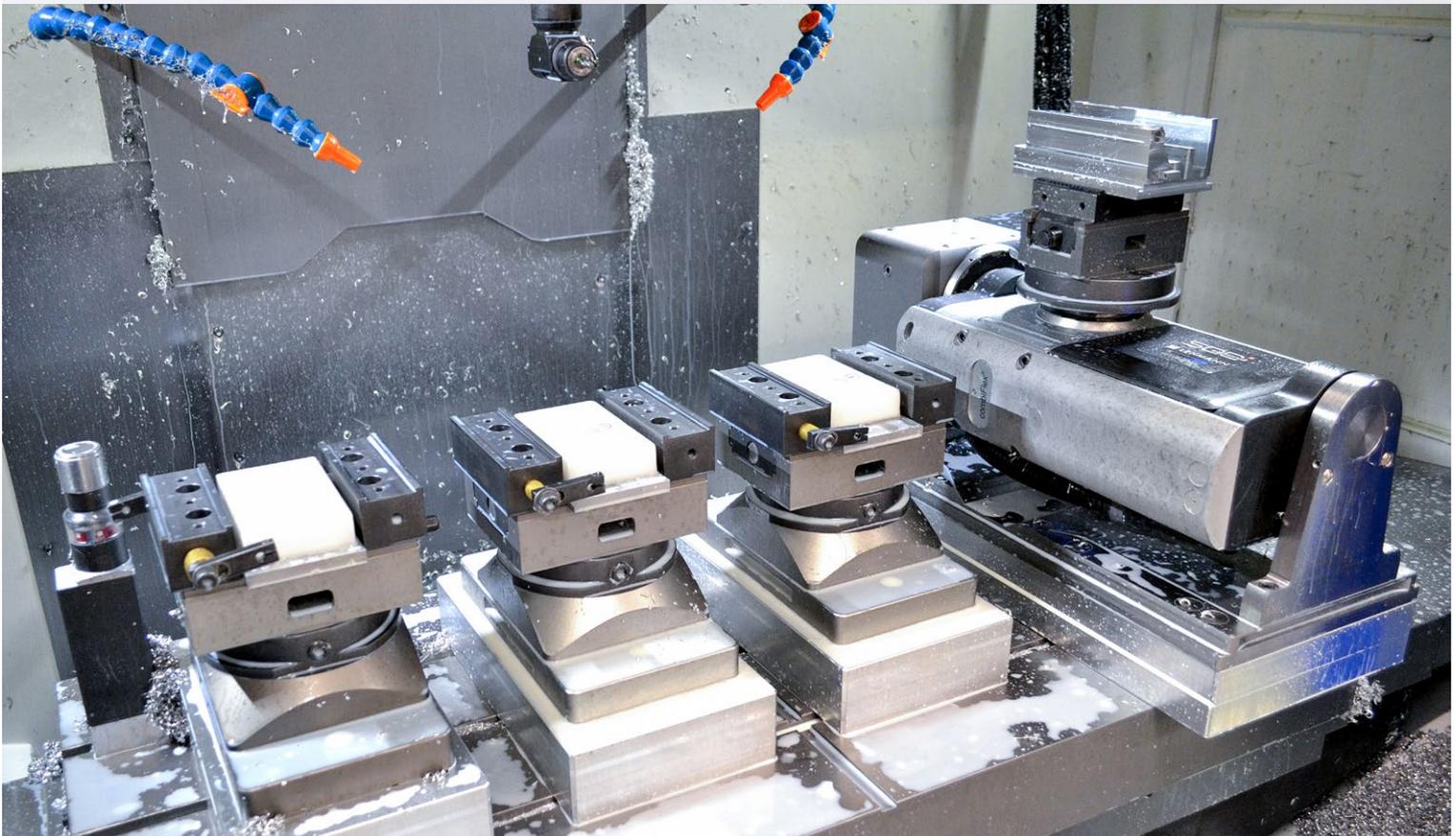
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Swiss Rotary Table Technology

# NEWSLETTER

## pL LEHMANN's 'one-hit' wonder for CTPE

T1-507510.LL TAP1c



**An advanced pL LEHMANN 5-axis rotary table enables the complete machining of CTPE's precise, complex components in 'one-hit'.**

Established in 1989 as a precision engineering company offering prototype and small batches production services, CTPE has grown to become a leading sub-contract supplier for precision machined components to the scientific, medical and electronics industries. Having significantly increased its capacity and range of machining competencies over the past 30 years, the company now provides comprehensive machining facilities related to the production of medium to high volumes of precision components.



T1-507510.LL TAP1c rotary table from pL LEHMANN. (Image: pL LEHMANN)

Through the use of a wide range of advanced CNC machine tools, including 3, 4 and 5 axis machines, some with multi-pallet and lights-out working capabilities, the Mildenhall, Suffolk based business is now able to deliver complete supply chain solutions. Over recent years, CTPE has invested in several Brother Speedio machining centres from Whitehouse Machine Tools. As the advanced Speedio series are some of the fastest machining centres available, the high-speed machines help the business to keep-pace with the continuing high demand for its output.

The latest addition to the company's collection of high-yield Brother machine tools, a Speedio S1000X1 machining centre, is CTPE's largest capacity Brother machine tool yet. The S1000X1's increased X and Y axes travel and the expansion of its machining area has enabled CTPE to machine larger components and to produce multiple smaller workpieces in a single cycle. To further increase the company's levels of machining efficiency and flexibility, CTPE's new S1000X1 was specified with the addition of an advanced pL LEHMANN rotary table.

Alex Taylor, Operations Director of CTPE explained. "CTPE's success has been built on our reputation for both the quality of our output and for the services we provide. The pursuit of quality in all of our activities remain the most important aspect of our values. An important part of our commitment to quality and service is our on-going investments in the latest CNC machine tools."

"We serve a range demanding of industrial sectors each with challenging precision requirement. In addition, we are often faced with machining components with challenging lead times. To enable us to provide the highly-efficient production of premi-

um quality components we have established an excellent relationship with Whitehouse Machine Tools and have purchased several advanced Brother Speedio machines from the company. As Brother's high-speed Speedio machine tools are amongst the fastest machining centres in the world, in addition to satisfying our demands for high-precision machining and superior quality standards, Brother Speedio machine tool also meet our demanding production efficiency requirements."

"Compared to our previous models, our most recently installed Brother Speedio S1000X1 machine has an increased X and Y axes. On the recommendation of the technical staff of Whitehouse Machine Tools we ordered the S1000X1 with the addition of a pL LEHMANN 5 axis rotary table. Rather than perform 2- 3 machining operations on many of our components, through the use of our pL LEHMANN rotary table we are able to carry out all of the necessary work in a single, highly-efficient machining cycle."

"We have been enthusiastic users of rotary tables for many years and regard them as invaluable, flexible machining aids and as an important part of our efficiency regime. Instead of multiple separate machining operations, our use of rotary tables often enables us to perform one-hit machining."

"As we have experience in using rotary tables from two other manufacturers it was interesting to compare the performance of our latest pL LEHMANN model. In addition to the outstanding accuracy of our pL LEHMANN unit, it has a faster response time than the other brands we have used and it delivers high levels of clamping torque."



"It also helps that, although our new pL LEHMANN rotary table is robust and able to stand-up to the demands we place on it, it has a lower profile and smaller footprint than our previously used models. As a result, in addition to maximising the quill travel of our Brother Speedio S1000X1, we are able to mount additional Schunk vices and other workholding along-side it."

"Our pL LEHMANN rotary table has proven very successful as it has provided the levels of precision, speed and machining flexibility that we require. When the need arises, we will be returning to pL LEHMANN for additional models."



Over the past 4 decades the staff of pL LEHMANN have used their in-depth engineering knowledge and creative design skills to develop a range of high-quality rotary tables that are based on an ingenious modular system. As the Swiss made pL LEHMANN rotary tables can be assembled to suit a multitude of machining tasks. Multiple models are available from basic single-spindle 4th axis units, to 4-spindle tilting rotary tables with 4th and 5th axis capabilities. Now, rather than accept a rotary table that represents a close match to a particular machining requirement, customers are able to receive a pL LEHMANN product that correspond exactly to their needs.

pL LEHMANN rotary tables occupy a minimum amount of space inside machines working envelopes' enabling improved tool access to workpieces. Despite their compact size, the sturdy rotary tables deliver excellent levels of clamping torque and outstanding resistance to both pull-out torque and to axial forces. Further aiding machining efficiency, pL LEHMANN's standardised spindle arrangement allows the use of an extremely wide range of workpiece clamping systems. As a result, in addition to standard workholding being set-up for an initial workpiece range, clamping arrangements can be quickly converted to accommodate other workpieces.

Thanks to pL LEHMANN's modular approach the company's products remain future proof, for example, if a customer's machining requirements change, rather than purchase a new rotary table, their current pL LEHMANN model can be easily reconfigured to conform to the new conditions.