

Daetwyler Industries

## ICON 6-250-Show: This is what modern machining processes look like today!

**What can the ICON 6-250 multi-station machining centre do? From September 1 to 3, 2010, engineering company ICON showed more than 200 visitors what modern machining is like: powerful and flexible – even in batch production.**

Numerous qualified representatives from various sectors such as the automotive, hydraulic and fitting industries visited Bleienbach, Switzerland, at the beginning of September to see the new ICON 6-250 modular multi-station machining centre at work. ICON Industries demonstrated to some of its customers how efficient modern machining can be on the premises of its production partner Daetwyler.

The ICON 6-250 machining centre largely demonstrates its versatility in medium and large series, part families and frequent set-up changes. The heart of the machine consists of up to four workstations, which can be fitted with horizontal and vertical machining modules.

The near identical modules are triaxial machining units with linear guides and are driven by servomotors via precision recirculating-ball screws. The machine is easy to re-equip and even upgrade with complete modules. Each machining unit – whether horizontally or vertically installed – is equipped with a twelve-station tool-changer for flexible and safe machining operations.



Group photo ICON-Show

The worldwide innovation ICON Tripod 200 S met with particular interest. Developed in cooperation with a Swedish company, the parallel kinematics are unbeatable with their high dynamics, which result from the light weight of the bodies to be moved. An ICON Tripod 200 S can be inserted in the ICON 6-250 instead of the triaxial machining module to allow quintuple axial machining. Stand-alone use is also conceivable.

The stands of various partner companies also met with serious interest as did the lecture of Prof. Dr.-Ing. Paul Helmut Nebeling, from the University of Reutlingen, Germany. He discussed the topic »The dilemma of the European tooling machinery industry – technology versus profitability«. By this, Professor Nebeling was referring to a long-standing problem that ICON Industries wishes to solve with

the ICON 6-250. The multi-station machining centre is not only distinguished by technical innovations but also contributes to economical production. Since an ICON 6-250 contains up to eight machining centres, the initial purchase cost represents a major saving. In addition, the 41 square meters of space required are very low and operation is easy for a single operator.

*Dietmar Bäurer  
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ICON 6-250



ICON-Show: Assembly Hall



ICON-Show: Demonstration