

Charming high tech-enterprise

KERN Micro- and Feinwerktechnik presents three new developments at their open house.

Even in Bavaria it would be unusual for the entire staff to appear in the traditional Bavarian dress for a business event of such scale. As the event was simultaneously held with the Munich Oktoberfest the host masterminded a very special theme for the 2009 open house, the technical “Wiesn”. “Wiesn” is how the Munich public nickname their special festivity. Next to hearty traditional specialities KERN had ample technological innovations at hand. “It is astonishing what new engineering feats KERN has brought forward this year” comments company owner Ekkehard Alschweig. “Despite the rough economy three new developments, the new machining centre KERN Triton, the automated manufacturing cell ER6 and the micro tool inspector KERN μ -view, were brought to market”.

In joint venture with our cooperation partners Zeiss and Open Mind, KERN presented new developments and applications directly in their manufacturing plant. Hard machining of a A4 size work pieces via milling and grinding on the same machine and a single set up, to automated manufacturing technologies and state of the art metrology for series production of highest precision components for example the medical or micro manufacturing industry. A special highlight was the live manufacturing of a customer order on the new compact unit consisting of a machining centre and robot cell KERN Evo Robotic 6. During the primary machining, parallel loading und unloading of stock and the cleaning and drying of finished parts, customers witnessed the integrated metrology of machined parts on a Zeiss Duramax. A transparent quality control in real time of the finished work pieces is the result of this new technology. It was quickly clear: theoretical lectures are not KERN. Demonstrative and with a spice of humour the KERN staff presented their specialities.

The Eschenlohe machine manufacturer displayed true fireworks this year with the unveiling of the new development KERN Triton. With the integration of hydrostatic guideways, the hydrodynamic drives and a sturdy milling spindle (40.000 RPM and 25 kW) this machine does not only shine in regard to obtainable precision and surface finishes but also achieves outstanding chip removal volumes. The clou: the hydrostatic bedding isolated the guideways from the machine frame, thus eliminating vibrations. During the following presentations customers could view live practical demonstrations on all machine models for example a hard milled tool insert for the medical micro manufacturing industry or a mirror finished surface on stainless steel, machined on the KERN Evo. To avoid hungry guests a hearty Bavarian brunch was served in the machine manufacturing plant before the event closed. “The feedback of our international guests was overwhelming and their interest in our products very concrete. The trend has

been confirmed that investments are again being made since mid year”, comments managing director Rudi Riedel.

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Fotos:

All pictures can be downloaded in print size (300dpi auf 9 x 13 cm) under
<http://www.kern-microtechnic.com/download/technikwiesn.zip>

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KERN_Andrang.tif



Well visited: the KERN precision days 2009

KERN_Musik.tif



Talented: KERN-staff served for a great mood

KERN_Triton.tif



Technical-fire works: The new KERN Triton combines the KERN typical accuracy and surface finish with high chip removal volumes.