Markgröningen, 10.04.2017

**Optimum machining of complex workpieces**

5-axix clamping system new from norelem

**More complex workpieces, shorter machining times and increased part precision - these are the challenges that the norelem 5-axis clamping system compact take on. The 5-axis clamping system is new to the product range and is immediately available. It allows complete machining of all sides with one setup.**

Vibration-free machining with highest speeds and feeds and only a few small interfering edges, these are only some of the advantages of the norelem 5-axis clamping system. Very short cutting tools can be used which guarantee the required tolerances and finish. Short tooling also reduces tool costs. These vices complete modern 5-axis milling centres.

The vice jaws can be quickly and safely set to any desired workpiece size using the easy to read scale on the base of the clamp. The symmetrical structure of the 5-axis clamping system always centres the workpiece. As the traction spindle is placed directly under the workpiece support, the force flow during clamping is kept short and the traction force high. The jaws are not forced apart under load and the machine table is not subjected to extra stress. The intelligent clamping technology increases the stiffness during clamping allowing the highest speeds and feeds to be used.

The 5-axis clamping system is available with jaw widths 90 and 125 mm. Clamping widths form 20 to 320 mm are possible. By using further baseplates and shafts the clamping width could, theoretically, be extended indefinitely. The vice can be mounted on T-slot tables, grid systems and, using an adapter flange on conventional zero point clamping systems. At norelem the customer can also obtain a wide variety of accessories to form a universal clamping element.

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Brief profile of norelem Normelemente KG

With its headquarters in Markgröningen near Stuttgart, norelem Normelemente KG is one of the most renowned suppliers of flexible standard parts, systems and components for machine and mechanical engineering. Founded in 1958 with around 33,000 standardised standard and machine elements, norelem is a full-range supplier in this sector.

Today, norelem regards itself as an innovative partner and solutions provider that offers engineers, technicians and designers the on-site support they need to convert their ideas and designs into compatible and efficient solutions with the help of norelem products.

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Link to product: https://www.norelem.co.uk/gb/en/Products/Product-overview/Clamping-technology/41000-Vices/41300-5-axis-clamping-system-compactjaw-plate-smooth.html

Image attachment:

