

Software streamlines mould design and machining further

Software – At AMB, Schott Systeme will present its latest version of the CAD/CAM software Pictures by PC.

According to the company, mould designers can now automatically split parts at edges and silhouette curves, enabling both the core and cavity surfaces of a form to be separated from one another. The solid, surface and mesh Hybrid Modeller in Pictures by PC now supports mesh offsetting for the creation of wall thicknesses on imported scanned STL mesh models.

High-performance cutting Trochoidal 3D Roughing has been implemented to facilitate the quick removal of harder materials. 3D Spiral Finishing enables the machining of steep and flat regions of a part with a single toolpath to maintain maximum step-over regarding the angle of the sur-

face to machine. Other improvements include 5-Axis Rotary Roughing and 4-Axis Spiral Finishing operations to reduce the programming and machining times on components that require milling from multiple directions.

A new 5-Axis Simulation also helps ensure that possible collisions between the component, machine spindle, tool and holder, clamps and the machine table are highlighted, without the need for a full machine simulation, the company notes.

All improvements complement Schott's range of milling, engraving, wire cutting and turning tools. The software includes free-of-charge support and standard machine post-processors, without annual maintenance costs.

schott-systeme.com
Hall 2, Booth A01



3D Spiral Finishing machines steep and flat regions of a part.

Intelligent interface makes life simple but accurate

Source: Zimmer&Kreim



The new interface provides safe control on erosion machines.

EDM Programming – Genius Nova from Zimmer & Kreim is a new user interface for programming in erosion machines, which according to the company facilitates the programming of the machines, reduces click paths and enables safe, precise process control even for beginners.

Its ergonomic design and intuitive user guidance allows for high contrasts, clear layouts and content preparation. The Operable function on the touch display provides bright designs and distinct colour highlighting. The size of the buttons/elements and their arrangement have been optimised so the user can also do without a mouse or keyboard.

Zimmer & Kreim has focused on simplifying the handling. The navigation is user-friendly and the user knows exactly where he is in the system at any time, which proves handy when frequently switching between two work steps, like when switching between programming and positioning. The visualisation of coordinated systems is illustrated and helps the user avoid mistakes. There is transparency, data security and an integrated data flow from CAD planning to finished workpiece, making eroding simple and process-reliable. Genius Nova can be applied to both series production and one-batch sized production. The company says sophisticated, intelligent data management is the reason behind the new interface, giving every user the security of a precise, uninterrupted process.

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