

rent GEHSR/L screw-clamped tools. The design of the Swiss-type machine turret makes it difficult or sometimes even impossible to replace inserts on standard screw-clamped tools without removing the tool from the machine.

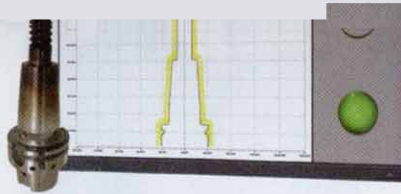
The newly developed user-friendly system enables clamping the insert by using the key from either free side of the tool. This dramatically shortens insert indexing time.

The GEHSR/L-SL tools are available in 3/8, 10mm, 12mm, 1/2 and 5/8" shank sizes, carrying the GEPI and GEMI inserts with different geometries in a range of .087 to .126" widths.

### New Reality-Check to Avoid Collision —Zoller

Especially in the tool and mold making industry a considerable amount of time passes between the creation of a NC program and the actual use of "real" tools in the machining center. A lot of times, another simulation with the "real" tool data becomes necessary shortly before the tool is actually being used.

Zoller's newly developed software module »tool realityCheck« allows a fast and precise collision check, to determine whether the scanned tool



matches the tool originally used for the simulation. The tool's real, actual contour is recorded while being rotated, thus simulating the actual machining process.

This check makes collisions virtually impossible. The user simply has to enter the start and end point of the requested tool contour. The measuring program will then automatically position the camera at the starting point and measure the contour during rotation. Afterwards, an actual/nominal

on the screen. A "green light" means "Go" – the machining process can be performed, and "red" stands for "Attention: collision!" Clear, quick and easy to use for everyone!

This software module is available for all CNC-controlled tool presetter and measuring machines from Zoller.

### Loc-Down™ System-Mitee-Bite

Mitee-Bite Products recently introduced the Loc-Down™ System. This is a simple way of quickly attaching and removing plates or workpieces from a sub-plate and is best described as a "headless bolt" with a simple ball-locking mechanism. The system saves

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