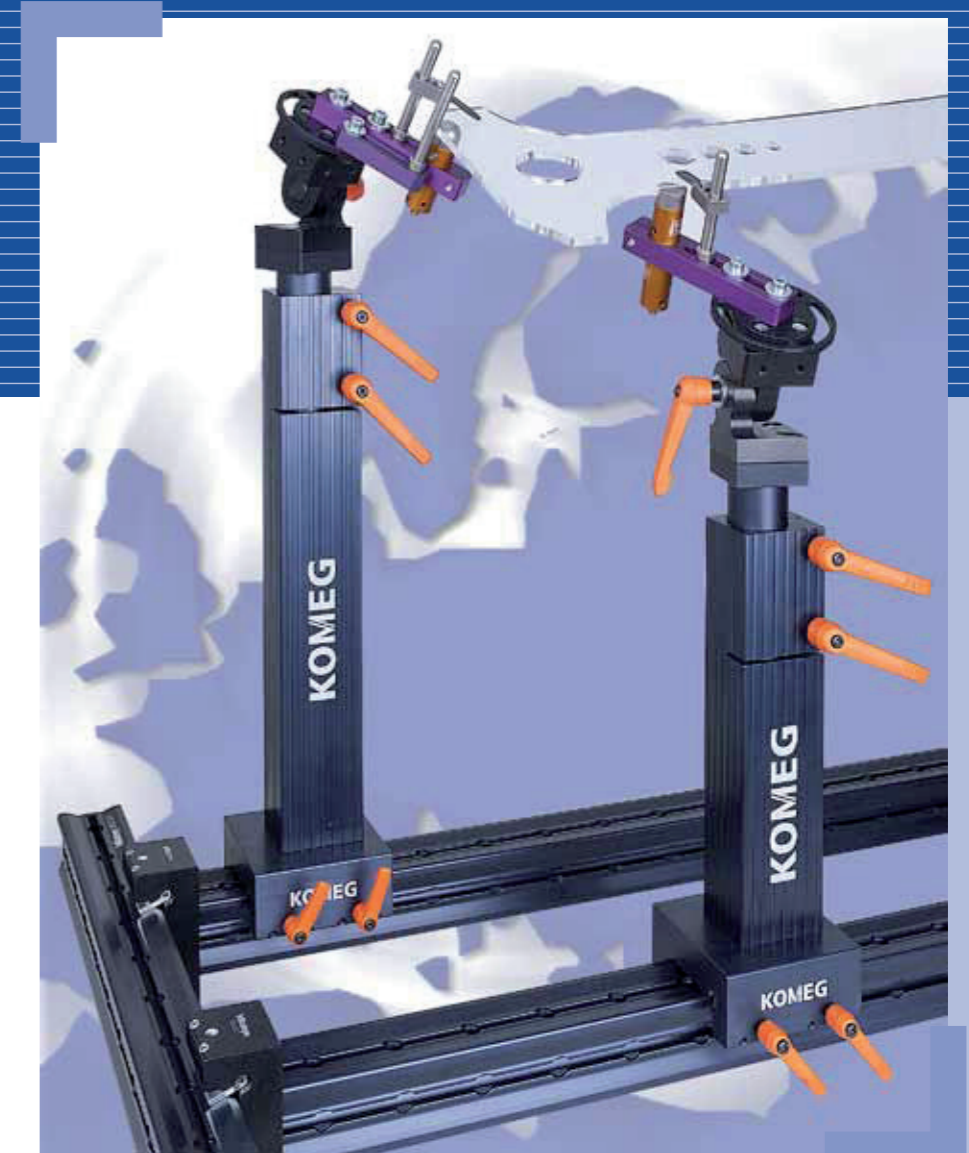


# KOMEG CAR-FIX

PRE 983009



The innovative clamping system for automotive measurement technology



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**Mitutoyo**

## vari-fix RST-profile

# KOME G

### vari-fix

The novel clamping system was developed by the system provider KOME G Industrielle Messtechnik GmbH in Völklingen – a wholly-owned subsidiary of the measuring instruments specialists Mitutoyo Europe GmbH. KOME G is bringing out the new product development initially in three standard models with adjustment heights of 375 - 575 mm, 500 - 825 mm and 625 - 1075 mm.

The system can also be customized to different adjustment heights on request. The basis of the entire device are top-frame profile rails that can be mounted directly on the measuring table of the coordinate measuring machine. Alternatively, the S-profile from KOME G can be used, or the pillars with base plates can be mounted on the CMM table.

KOME G vari-fix allows free and unrestricted orientation of the workpiece in any desired pick-up position. The workpiece is fastened to any of a number of columns arranged along base rails. The individual columns are height-adjustable, and a swivel joint at the upper end serves as a pick-up element for the workpiece. The joint allows 360 degrees of rotation about the axis of the column and has a swivel range of +/- 90 degrees. The positioning can be finely adjusted along the X, Y and Z axes by +/- 2.5 millimeters. Thanks to the extremely flexible combination of rotation and tilt, any spatial angle can be achieved.

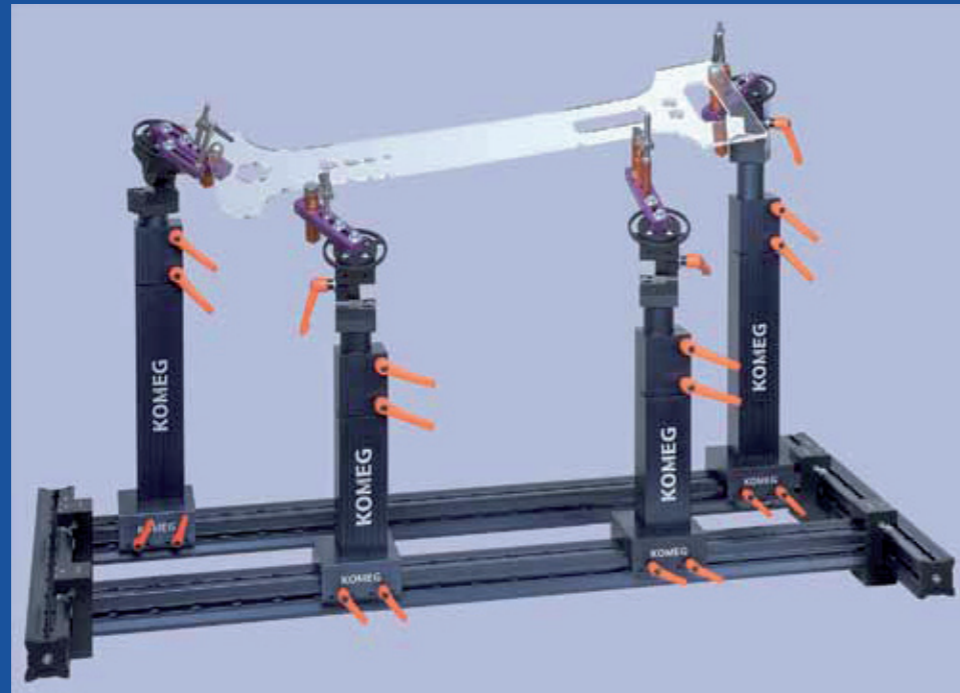
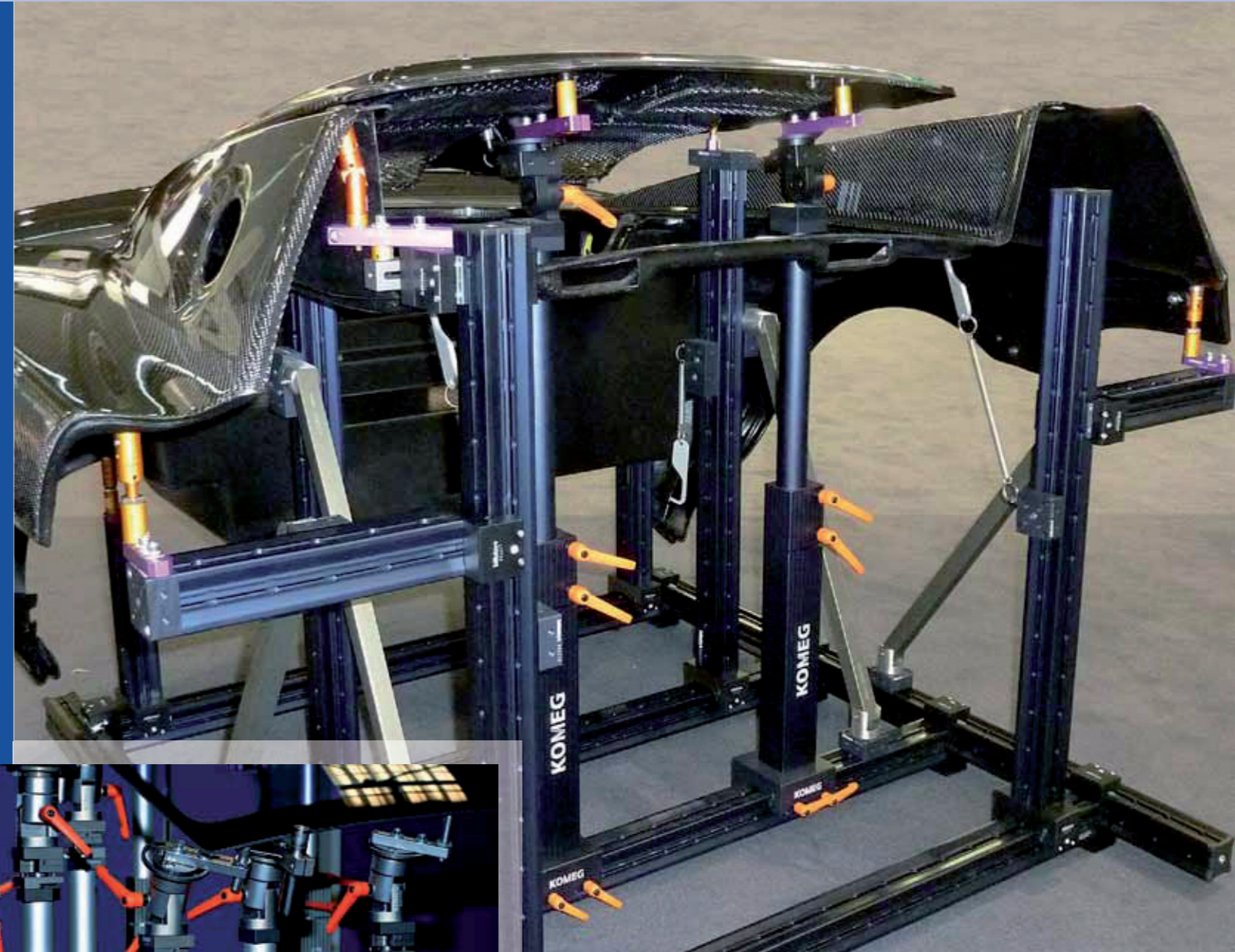
### RST-profile

For the first time the new RST-profile from KOME G combines in one profile the advantages of three different kinds of profiles for fixture construction. On one hand, there is the unbeatable advantage of the dovetail profile with the option of flexibly repositioning sliding elements, in order, for example, to react extremely rapidly and cost effectively to coordinate changes of fixture points. This is combined with the option of the grid profile, which reproducibly facilitates the introduction of add-ons in a fixed 50 mm grid. Moreover, additions can be freely positioned in the profile's T-nuts by means of slot nuts. This makes it possible to combine virtually all kinds of profiles and add-on parts, even from third parties.

The matt-black surface suppresses reflections, which is especially advantageous for optical measuring systems.

All these features of the RST profile contribute to the minimization of material provision in modular fixture construction, which significantly reduces the costs for storage and shortens assembly times.

RST profiles are compatible with the tried & tested KOME G profiles and are ideal for combining with the vari-fix clamping columns.



VARI-FIX+RST-PROFILE