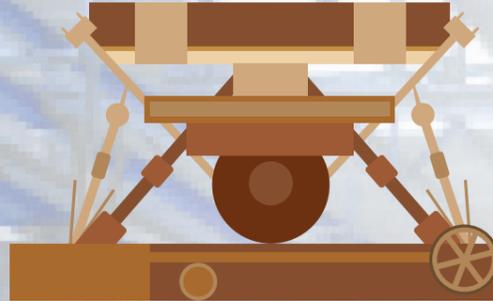


Hexapods: Solutions for the Automotive Industry



THE FIRST INDUSTRY APPLICATIONS

In the early part of the 20th century, Dunlop, the tire manufacturer, made use of hexapod technology for testing car tires. Dr. Eric Gough, the father of the hexapod, developed the basic principle. On the basis of this work, D. Stewart then published a similar design for hexapods. That is the reason for the name Gough/Stewart platform.

THE HEXAPOD IN QUALITY ASSURANCE

For example, to satisfy the requirements in the automotive industry, suppliers install hexapods into the coordinate measuring machines that are used to calibrate headlamps.



THE HEXAPOD ON THE PRODUCTION LINE

Today, hexapods are used in the automotive industry in conjunction with classical industrial robots. They increase the positioning accuracy of the robotic system or, in the case of very small motions, are able to replace the robot completely.



THE HEXAPOD IN MANUFACTURING

Hexapods are specialists for aligning and positioning. At the same time, they are normally more precise than articulated robots, require less space and are able to carry heavy loads. Among other things, suppliers appreciate their use in prototype construction and for processing complex components.



HUMAN-ROBOT COLLABORATION

The compact workspace of the hexapod increases the safety of the worker during partially automation positioning of components.