

mocap – motion capture interface



mocap – the revolutionary intuitive robotic and continuous path control system

Just show the robot what it has to do

The robot immediately performs each movement of the controller

Intuitive programming of complex path movements

without the help of CNC experts

Programming continuous path motion at low cost

High flexibility makes even small production volumes profitable

Direct robotic control without programming

for high risk areas and heavy or bulky goods



schleicher
control systems

mocap – motion capture interface

mocap – the new and revolutionary intuitive system for robotic and continuous path control

The Motion Capture Interface called mocap brings about a radical change in the programming of robotic and continuous path motions, just like the mouse revolutionized PC use. As soon as the user moves the mocap controller in a three-dimensional space, the robot connected to it performs the same motion. With mocap, in a minimum of time, “normal” staff can implement applications for which up to now cost-intensive programming by experts was required.

Just show the robot what it has to do!

Inertia sensors in the wireless controller enable the intuitive operation of the mocap system. Upon pressing a button the sensors capture the motions of the controller in all three dimensions. The motion data are transferred over a secure connection via Bluetooth interface to a base station that calculates the close loop position control data for each respective robot. The system allows control of up to six axes. With mocap, the user can instantly make the robot perform movements – without any previous training. Erratic movements of the user's hand are no problem either, as Schleicher's special software smoothes out inaccuracies and outliers.

mocap opens up new fields

As mocap makes automation more flexible and speeds up programming while reducing its costs, even very small production volumes become profitable. Thus, mocap decisively extends the operative range of classic automation which so far has been profitable only at high production volumes. Moreover, the mocap system is fast enough to allow direct control without requiring a program. Therefore it opens up new fields of application, such as operation in dangerous or hostile environments, handling of extremely heavy workpieces or bulk goods, etc.

mocap is fun

With mocap, Schleicher again brings out a high-tech solution that allows considerable efficiency gains for a broad range of applications. Typically Schleicher – an ingenious know-how works unobtrusively in the background to develop a system which is easy to operate, highly efficient and widely applicable.

mocap is surprisingly simple and self-explanatory; mocap simply is fun!



Feel free to contact us to test the mocap system. We would like to discuss how we can support you.

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