



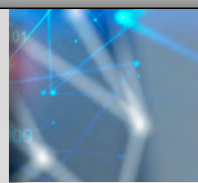
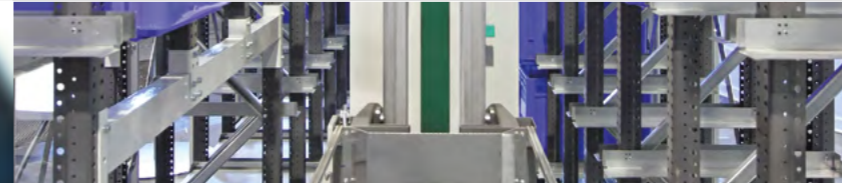
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AUTOMATION TECHNOLOGY

MA6000MC Motion Analysis Kit – The Perfect Tool for Analyzing Motion Sequences in Logistics Facilities

**In-depth Analysis
of Three-dimensional
Motion Sequences in
Intralogistics Facilities**





Use a powerful motion analysis tool to evaluate the performance of your stacker crane

Highly precise optical distance meters that are attached via magnets record the complete motion sequence and transmit the recorded data to an intelligent computer that outputs a graphical representation of the stacker crane's motion path.

Alternatively, acceleration sensors can be used to measure the oscillations of two axes, for example, the traveling axis and the lifting axis.

If desired, we also offer short motion analysis training courses.

The MA6000MC Motion Analysis Kit helps you to detect interferences and reveals the hidden potential of your facility.

Does the system exhibit undesired oscillations?

How fast does the system arrive at the target destination?

Are you experiencing any unwanted downtimes?

Are the axes synchronized?

The MA6000MC Motion Analysis Kit is available in numerous configurations and can be purchased or rented.

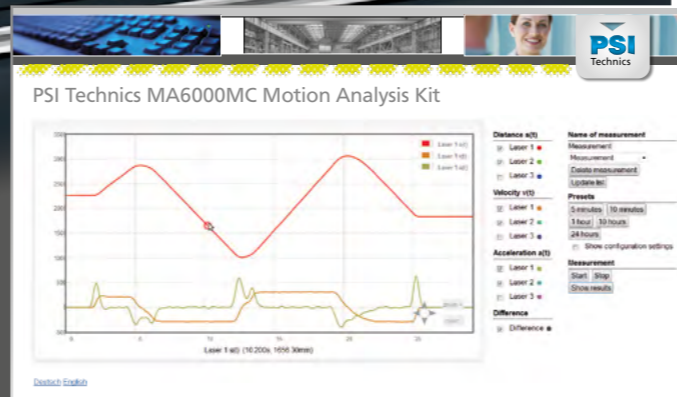
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MA6000MC MOTION ANALYSIS KIT

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User-friendly web interface

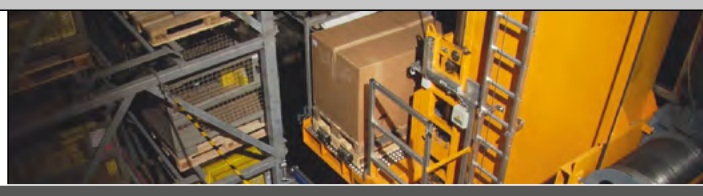
The Motion Analysis Kit is conveniently controlled via the integrated web interface – the installation of additional software is not required. The recorded data (distance, acceleration and velocity) are saved to the included portable SD card.



DISTANCE METER Y-AXIS

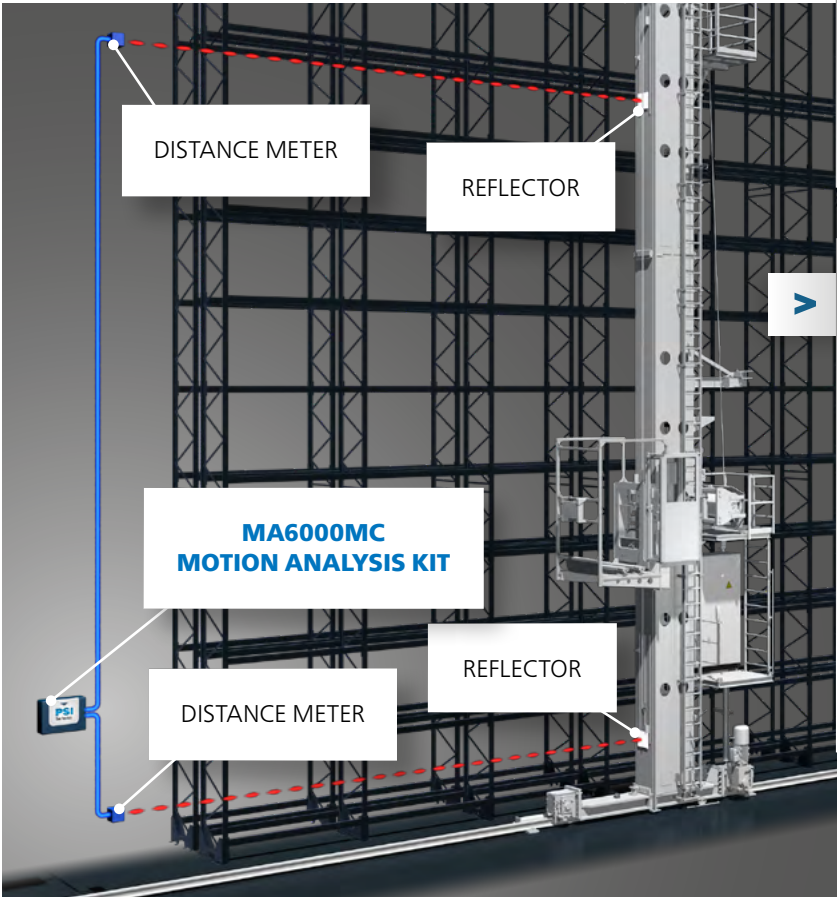
DISTANCE METER X-AXIS





AUTOMATION TECHNOLOGY

Benefit from considerably Reduced Oscillations, Increased Throughput that Simultaneously Maximize the Lifespan of Your System



A mast analysis reveals even greater optimization potential

Oscillations are most frequently caused by traditional positioning solutions that do not adequately account for the behavior of industrial vehicles. This leads to increased wear, premature failures and high cycle times, which in turn results in lower throughput and added costs.

MA6000MC enables you to leverage in-depth process and system knowledge to significantly optimize the crane's travel profile.

PSI Technics' analysis methods are specifically designed for material handling systems. The graphical representation of your machine's motion profile allows you to identify variables that adversely affect the productivity of your installation, so you can take action to increase the overall process efficiency in your facility, such as:

- >> Frequency converter optimization
- >> Motor fine-tuning
- >> Optimization of ramps
- >> Switching from static to dynamic travel profiles
- >> Modernizing system control

Contact us today to learn how you can benefit from our automation technology and intralogistics know-how.

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