



INDUSTRIAL POSITIONING SYSTEMS

MA6000MC Motion Analyzing Software Optimizes Positioning and Conveyor Technology

Optional add-on for Positioning Solution System

PSI Technics' MA6000MC
The MA6000MC is a motion analyzing software that records and evaluates motion sequences in material handling facilities.

Optimization of industrial machines
 In logistics, industrial machines are critical for the production throughput of goods and merchandise. These systems require time-optimized controls to guarantee efficient performance. Machines that require optimization benefit from PSI Technics' Motion Analyzing Software, which enables the analysis of time-related processes as well as the detection and elimination of motion-related weak spots.

Sample applications
 Stacker cranes, hoists, crane systems, shuttle cars, elevators, conveyor systems, etc.



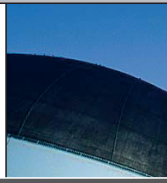
- >> Motion detection via laser distance meters, encoders, etc.
- >> Processing of measured data
- >> Kinematics calculation
- >> Comparative motion simulation using time-optimized parameters
- >> Graphical representation of measured values
- >> Graphical representation of calculated parameters (speed, acceleration and travel distance)
- >> Graphical representation of simulation results included in the same diagram
- >> Data analysis via an internal editor – relevant values are measured and highlighted

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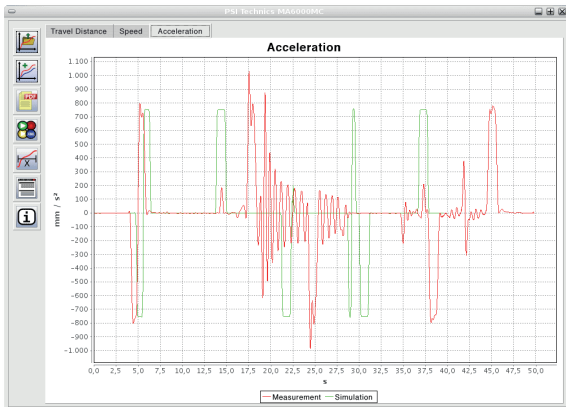
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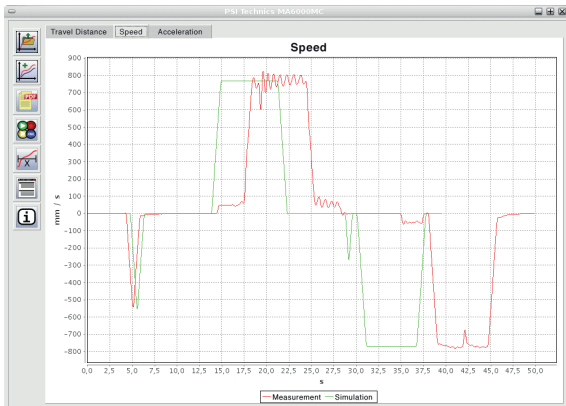
MA6000MC Motion Analyzing Software Optimizes Positioning and Conveyor Technology



Increased motion path efficiency

The MA6000MC motion analyzing software records acceleration, speed and travel distance of a positioning or conveyor system. The histogram operating mode shows how often those values are sampled during long-term motion analysis.

The MA6000MC motion analyzing software was specifically developed for conveyor systems. Based on the optimization model of the FLP6000MC positioning algorithm, it offers a substantial increase in productivity in addition to providing a graphical representation of the system's motion profile.

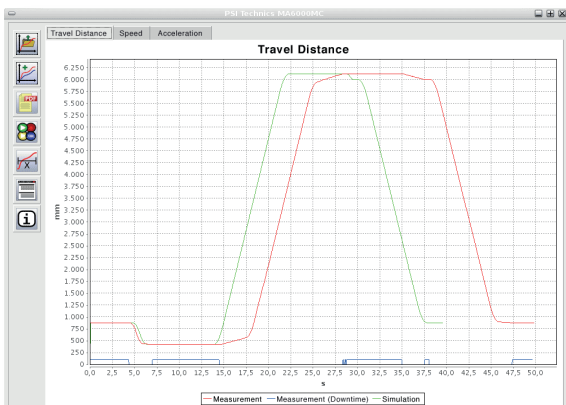


Screen shot: Acceleration

The red line in the graph below shows the current system acceleration. The simulation (green line) represents the optimized motion profile using the FLP6000MC software.

Screen shot: Speed

The red line shows the current system velocity. The green line represents the optimized motion path using the FLP6000MC software.



Screen shot: Travel distance

The red line shows the current stopping times of the conveyor system. The green line represents the optimized motion profile using the FLP6000MC software.

The FLP600MC software considerably increases motion path efficiency, which not only leads to a faster and safer positioning process but also improves cycle times.

THE RESULT: Reduced costs and increased performance!