



AUTOMATION TECHNOLOGY

FLP6000MA Motion Analyzing Software Optimizes Positioning and Conveyor Technology

PSI Technics FLP6000MA

The Motion Analyzing Software records, evaluates and optimizes motion sequences in industrial material handling facilities.

Optimization of Industrial Facilities

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 (velocity, acceleration and travel distance)
- >> Relevant values are measured and highlighted for further analysis

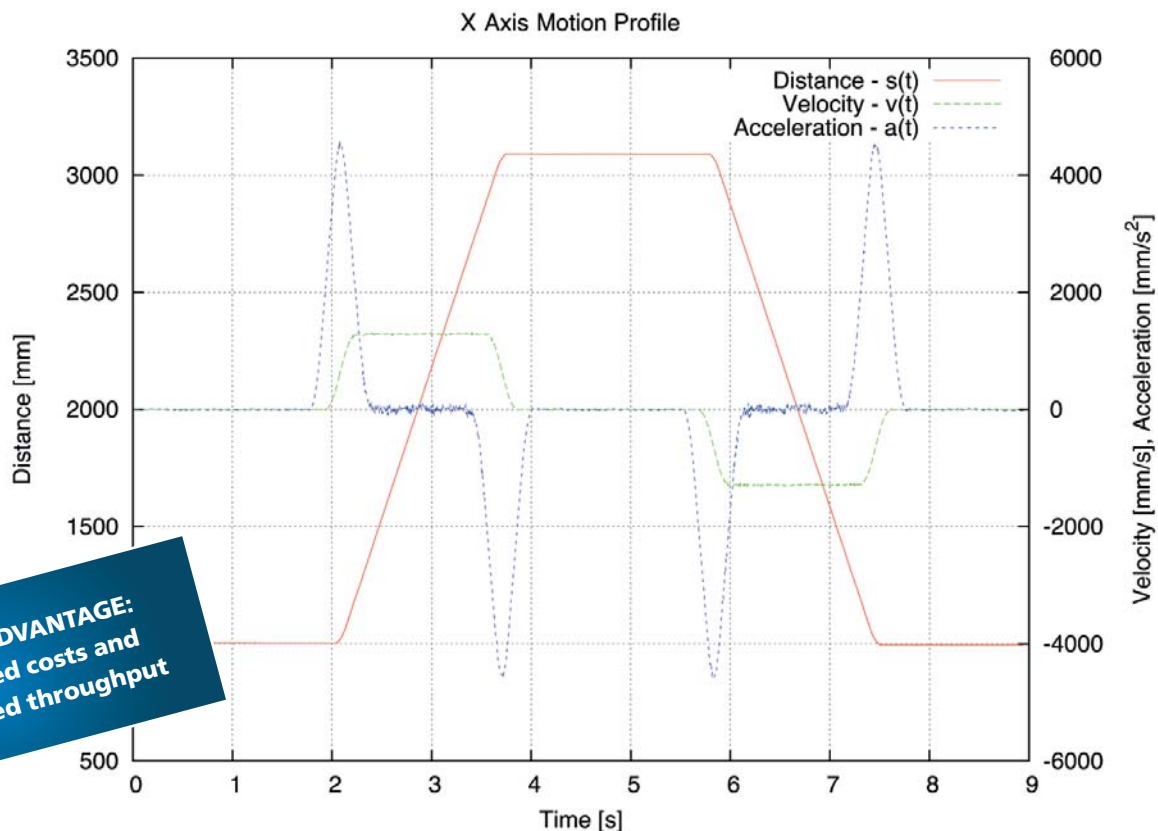
PSI Technics GmbH

support@psi-technics.com
www.psi-technics.com/E



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YOUR ADVANTAGE:
Reduced costs and
increased throughput

Advantages of using the FLP6000MA Software to increase motion path efficiency

The FLP6000MA Motion Analyzing Software records acceleration, velocity and travel distance of a positioning or conveyor system. The histogram operating mode shows the values that are sampled during long-term motion analysis.

The FLP6000MA 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.

Figure Above: Motion Analyzing Web Interface

The blue line in the graph below shows the current system acceleration. The green line shows the current system velocity. The red line indicates the travel distance and the stopping times of the material handling system.

The FLP6000MA Software considerably increases motion path efficiency, which not only leads to a faster and safer positioning process but also improves cycle times.