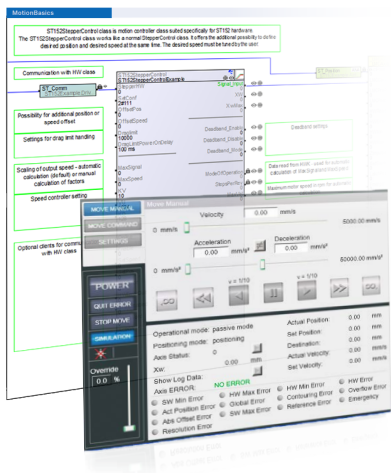




MotionLib

The MotionLib Library enables the parameterization, motion control and regulation of any individual axes. The library also offers the option of synchronizing several axes with each other. Synchronization can take place via speed, position, cams, position offset, with gear ratio or even virtual axes. In addition, the library provides functions for implementing complex robot applications. This library allows the use of different coordinate systems as well as predefined or user-specific kinematics. Monitoring of defined protected areas is possible.



FEATURES

- Parameterization, motion control and monitoring of an axis
- Various movement profiles such as jerk-limited can be easily applied
- Synchronization of multiple axes via speed, position, cams
- Support for gantry systems and backlash compensation
- Support for robot kinematics
- Prepared kinematics classes for robots such as delta robots, tripods, Scara robots, an H-gantry or a toggle lever
- Applying coordinate transformations and shifting the base coordinate system
- Coupling to moving conveyor belts for pick and place applications
- Support for shelters when setting down and departing the path

FACTS

Development environment	LASAL CLASS 2
Article number	02-010-187
Performance index	A > B > C > D > E