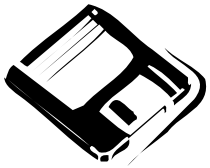
PRODUCT INFORMATION

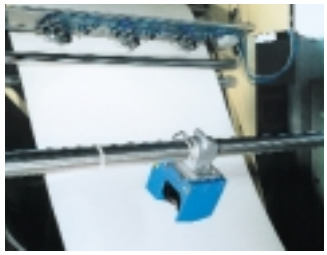
Measurement Software Tool MST 200



Software development kit for the realization of LMS laser scanner measurement tasks

Measurement of unit loads

Positioning



Process automation

Maximise cost-effectiveness and ease of use by

- the use of software libraries
- object oriented programming with MST 200

Application-specific component

20-30%

MST 200

Software Tool for the use with standard PC or for SICK's specific hardware LMI 200

Software library:

- Integrated drivers for real-time communication
- Definition of an application-specific area of measurement
- Transformation of coordinates
- Combination of the measurement data of two sensors
- Front-end processing of sensor measurement data:
  - ✔ test of plausibility
  - ✔ averaging of measured values
  - ✔ suppression of non-relevant measurement areas
  - ✔ pixel-oriented evaluation of measurements (filtering rain, snow, etc.)
  - ✔ ...
- Visualization (PC version):
  - ✔ Display of measurement data in application-specific coordinate system

70-80% Softwareexpense

SICK

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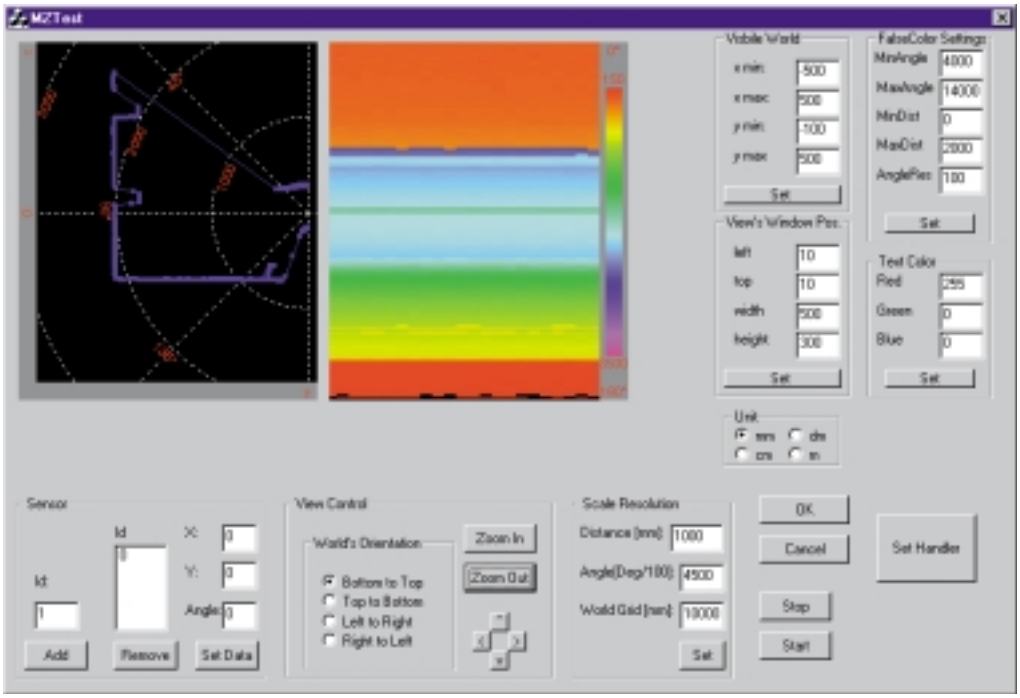
The MST 200 is a software tool for the realization of LMS laser scanner measurement tasks

Customer specific measurement functions can be carried out quickly, efficiently and therefore cost-effectively with the help of this tool.

Software drivers for real-time communication with laser scanners are already installed.

Implementation of the current application can be initiated without delay thanks to the easy transformation of coordinates and the definition of an application-specific measurement framework.

The library of functions includes important filter functions such as the suppression of irrelevant measurement areas. Furthermore, the MST 200 allows simple integration of new function blocks (objects) or software drivers for later applications (see multi-layer model).



Example: Display of measurement data from two sensors in real time (PC-Version)

System requirements

PC version:

PC

- Pentium 133 MHz
- 16 MB RAM
- Operating System Windows NT (Windows '95)

For the development system we recommend a more powerful PC (166 MHz/32 MB)

Development medium

- MS Visual C++

Accessories

- RS 422 interface for real-time processing of sensor data
- I/O card for processing application-specific process data

LMI 200 version:

Development System

- Standard PC
- Pentium 100 MHz
- 16 MB RAM
- Operating System Windows '95 (Windows NT)

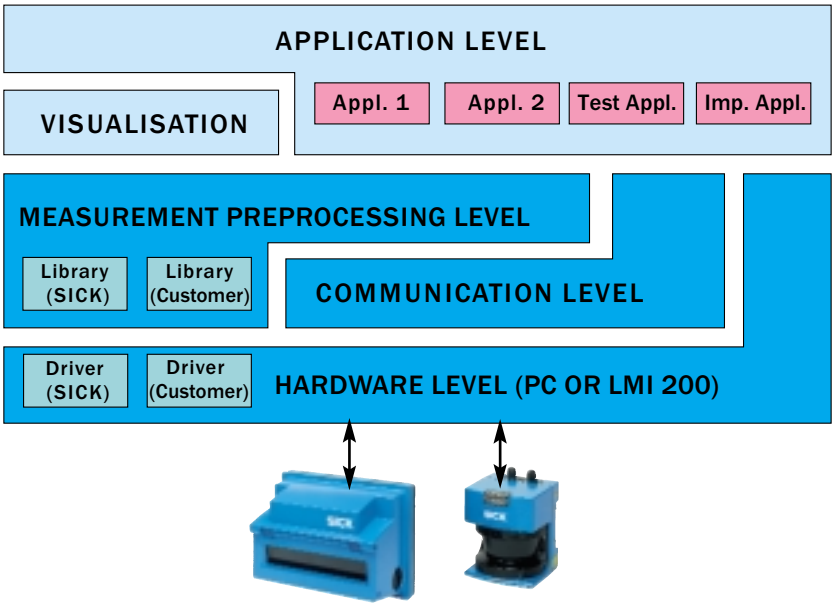
Development medium

- C++ Crosscompiler and Debugger for Intel i960Jx processor

Evaluation unit

- LMI 200

Multi-layer model MST 200



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