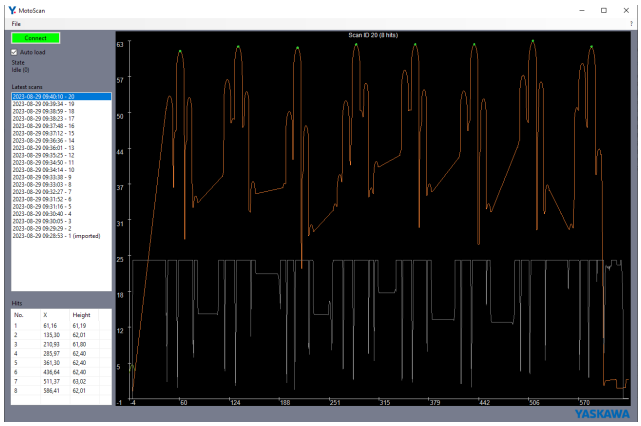
MotoScan

Ideal for real-time locating and measuring cylindrical objects.



Key benefits

- Ideal for positioning cylindrical objects.
- Real time measurement and calculations.
- Fast threshold search function with I/O trigger and saved position.

Compatible with

- YRC1000.
- Laser sensor SICK OD5000.
- Laser sensor optoNCDT 1420.

Locate and measure

MotoScan is a useful tool to locate cylindrical objects for example for picking operations. The scanning with a laser distance sensor is carried out by the robot moving in a linear motion. The scanned profile is then compared to an ideal shape, from which the software calculates the object's actual position.

MotoScan has two additional functions besides the object positioning. "Measurement to real" measures the distance continuously to a Real variable. The "Search until" function triggers an I/O when the distance measured exceeds a specified threshold.

MotoScan consist of the MotoPlus application executed on the robot controller, which communicates with the laser sensor and makes the data processing. It also contains applications for the programming pendant and computer for displaying sensor data and system settings.

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