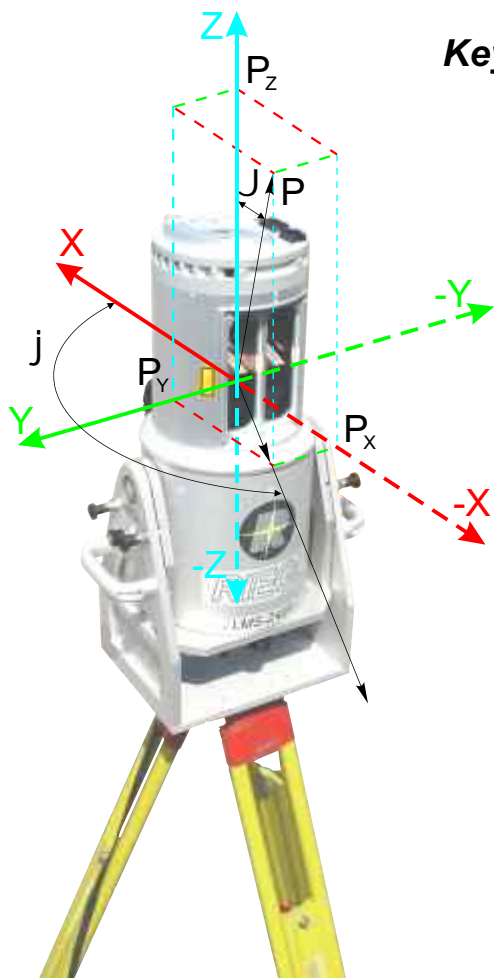


# SCANNING LIBRARY **RiScanLib-3D**

The scanner library accomplishes the tasks of scanner parametrization and data acquisition. The whole range of *RIEGL* scanners can be accessed by a single uniform interface and multiple scanners may be controlled from a single PC. Multithreaded architecture assures smooth data acquisition while the user program might be engaged in advanced calculations or online data display.

The library is usable for online and offline data decoding. The native or raw binary data as received from the scanner hardware is presented to the application software in its native data format, i.e. floating point numbers. The library also performs any desirable corrections to the data on the fly and presents it to the user as 3-D points in a cartesian coordinate system.

The library comes with comprehensive documentation and sample code in C++/Pascal. Updates to the library can be downloaded from our web server. To integrate a new scanner model into your software usually just a simple download without even the need to recompile the application will be sufficient.



## Key Features

- Converts binary data stream to high level data types
- Allows easy scanner configuration
- Interfaces via TCP/IP, COM, LPT, ECP
- Runs on Windows NT, 2000, and XP platforms
- Delivers data in spherical or cartesian coordinates
- Supports full range of *RIEGL* 3D scanners (e.g. LMS-Zxxx series, LPM-i series)
- Example programs for C++/Pascal available
- Integrated data logging

e.g. for reading one frame:

Function	Meaning
Open	connect to device
NextFrame	acquire one frame
GetVertex	read the data of one frame
Close	disconnect from device

Information contained herein is believed to be accurate and reliable. However, no responsibility is assumed by *RIEGL* for its use. Technical data are subject to change without notice. Data sheet, RiScanLib-3D, 22/08/05



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