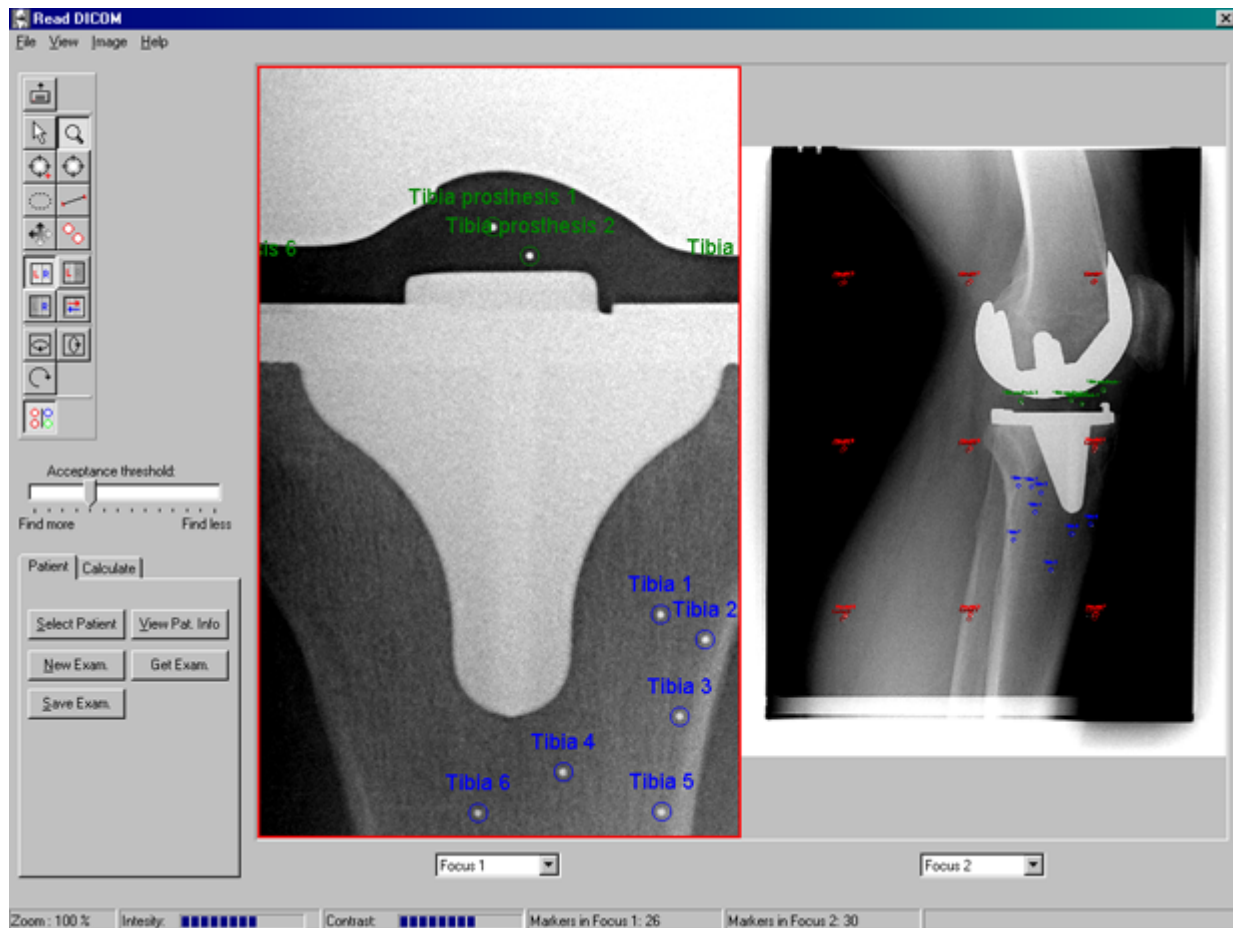


# WinRSA

Analyze Software, art. no. 22002



## WinRSA version 4.5

WinRSA is a Windows XP / 2000 program developed by Tilly Medical Products AB.

WinRSA includes all functions necessary for fast and easy operation. The user is relieved from difficult, time-consuming, tasks.

## Digital X-Ray pictures

The software supports DICOM pictures. This makes it possible to do the measuring directly from digital X-Ray pictures. WinRSA is the ideal software for digital x-ray equipment.

- Possible to view one or a pair of pictures
- Zoom function up to 10x.
- Add
- Adjust
- Remove
- Free hand selection
- Naming by selecting a segment e.g. femur
- Automatic naming of cage markers.
- Automatic naming of caput markers

## Pattern Recognition

WinRSA uses an automatic algorithm that has a very high accuracy that allow the user to correctly identify the markers. The algorithm is very fast, and the markers are identified within a couple of seconds.

## Kinematics reports

The kinematics reports show either translation of individual markers or rotation/translation of segments. All translations and rotations are relative to a patient coordinate system. Test reports are available for checking the rigid body model.

A test report may include:

- 3D coordinates of all markers.
- Distance and angle errors for markers in a segment.
- Absolute motion of segment with error of rigid body fitting.

A point motion report consists of a test report and the translation of points relative to a reference segment.

A segment motion report consists of a test report and the translation and rotation of segments calculated in a patient coordinate system. An error interval, individually computed for each figure, answers questions about how measurement errors, configuration, and stability affects the segment motion.

## Report generator

The software has a powerful HTML report generator with possibilities to customise and previewing the report on the screen. Ability to select only desired segment.

## Integrated database

The program has an integrated Paradox database. The database provides handy storage of patient information as well as efficient searching for patient records. Following commands are available:

- Select one of possible several databases
- Import/export coordinates information from/to an external text-file
- Create new databases
- Export database in Paradox format
- Insert patient record
- Delete coordinates information
- Delete patient record
- Database search functions
- Edit patient data

## WinRSA system requirements:

- 1500 MHz computer or faster
- Windows XP or Windows 2000
- 128 MB primary memory
- 600 MB free disc space
- True color graphics
- 17" monitor (19" strongly recommended)

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