

Software	FACAD	SW version	3.8.1	Rev date	2014-04-07
Title	Release Notes, version 3.8				

Release Notes for FACAD, version 3.8



1 General

.NET requirement

Introduced in version 3.7

Windows .NET is now required for the Facad program to work. This affects only workstations using Windows XP, where installation of Windows .NET (version 2.0 SP2) is required.

In Windows Vista, Windows 7, and Windows 8, .NET is already included in the operating systems.

Text and character representation

Introduced in version 3.7

All text presented in the user interface is coded using the general Unicode UTF-8 representation, and is no longer depending on the Windows localization.

All exported text files will be coded in Unicode UTF-8 representation, and may be presented differently than exported text files from earlier Facad versions in programs where these text files are imported.

Introduced in version 3.8

Translation of the program is now made with the help of resx editors, which facilitates the translation work considerably.

2 Tracing

Draw hard tissue

Introduced in version 3.7

A minor change is introduced when drawing the *Mandible* and the *Orbital roof*.

- When drawing a mandible, the guide takes you to *Ar* (Articulare) instead of *Co* (Condyle, posterior point).
- When drawing the orbital roof, the guide takes you through the hard tissue more apparent.

Selecting hard tissue

It is now easier to interactively select a hard tissue structure located inside another hard tissue.

3 Cephalometry

New cephalometric analyses

The following standard cephalometric analyses are introduced;

Introduced in version 3.7

- McLaughlin analysis
- Roth-Jarabak analysis
- ABO (*The American Board of Orthodontics*) analysis
- Pancherz analysis

The following standard cephalometric analyses are introduced;

Introduced in version 3.8

- Bimler analysis
- HarmonyBox analysis
- Hasund regression analysis
- Harvold analysis
- Wits appraisal

The following standard cephalometric analyses has been corrected/updated in program version 3.8:

- Bergen analysis
- Bergen short analysis (only norm values)
- Oslo and Oslo Surgical analyses (only headings)
- Steiner analysis (headings and changed a measurement name)

The measurement *Holdaway Ratio* was earlier incorrectly measured as a difference, it has now been corrected to a ratio (measured in %).

Harmony box

The Harmony box introduced by Segner and Hasund is implemented in program version 3.8.

The Harmony box is a method to present certain cephalometric values graphically, to facilitate the assessment of the facial type (prognathic, orthognathic, retrognathic).

Analysis headings

Headings are introduced to allow grouping of measurements in an analysis.

Angle representation

Angles are now presented in either $\pm 180^\circ$ or $0-360^\circ$.

Depending on the expected range, the output format is selected to minimize discontinuities.

Columns in the analysis window

The widths of the analysis window columns are now automatically adjusted, so that the full contents of the analysis table is shown (if possible).