

## NEW: DEPRAG GraphViewer Cloud – the web-based application for the visualisation of screwdriving curves

The new DEPRAG GraphViewer Cloud software for the visualisation of screwdriving curves is accessible for all users without the need for installation via the domain [graphviewer.deprag.com](http://graphviewer.deprag.com).

### Cloud application

DEPRAG GraphViewer Cloud is a web-based application. In comparison to traditional desktop software, the application does not need to be installed on your own computer. It can be used anywhere and on different end devices. Updates and maintenance are executed automatically.



### User interface

The new user interface provides maximum user comfort and an intuitive design. The innovative solution is optimally suited to enable smooth interaction with the system.

### Integration in existing projects

The system architecture developed in the GraphViewer does not only provide seamless integration into existing DEPRAG Software, such as the DEPRAG Cockpit, but also creates a consistent structure across the entire DEPRAG software landscape. The web-based approach facilitates simple and flexible usage of the GraphViewer and straightforward connection to other DEPRAG tools and applications.

### Online help

The integrated online help provides information precisely where it is required. The online help gives precise and detailed information about the individual functions of the DEPRAG GraphViewer. Users are able to find answers quickly and can exploit the full potential of the software.

### Three options for curve opening

#### 1. Load files from the current system

One or more files, which have previously been saved on the system used, can simply be loaded in the application by using a selection dialog or via drag & drop.

#### 2. Load files from a controller

One or more files from a controller in the same network can be loaded directly in the application.

#### 3. Load files from the DEPRAG Cockpit

The DEPRAG GraphViewer Cloud solution enables direct connection to a DEPRAG Cockpit. As soon as this connection is established, the data and structures are portrayed in the GraphViewer's intuitive user interface. This function facilitates simple, smooth data exchange and the visualisation of process data.



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## Export/Import of configurations

In addition to loading screwdriving curves, the loaded curves can also be exported including settings and comments. The saved data is available to access and import at any time. This function makes it easier for the user to complete analysis of screwdriving curves at a later time, to archive the evaluation configuration, or simply transfer these to another system.

## Analysis options

With the integrated analysis options of the DEPRAG GraphViewer, the screwdriving curves of one or more screwdriving connections can be analysed quickly and simply. Automation saves valuable time and increases the accuracy of analysis. Even complex screwdriving curves can be analysed with ease.

## Individual review / overlay of several files

Individual screwdriving curves can be analysed in individual curve review or several screwdriving curves can be uploaded and compared in a curve overlay. When loading one or more screwdriving curves, the application automatically selects the suitable display for the visualisation of the curve, so that there is no need to manually switch between each display format. The curve overlay is a convenient option for viewing, analysis and comparison of screwdriving curves.

## Identification of significant values

In the GraphViewer, significant values such as the threshold torque or the seating point torque are automatically superimposed on the curve display → there is no need to manually read and highlight end values.

## Synchronisation

Using the GraphViewer, several loaded curves can be synchronised to one common synchronisation point. In the settings there are also several selection options.

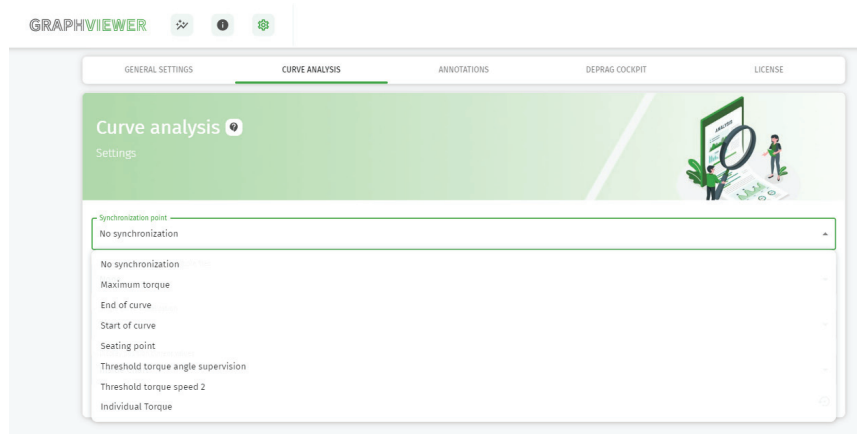
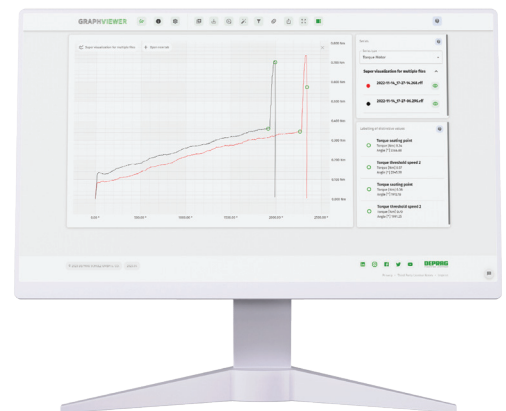
Synchronisation to certain synchronisation points enables a more accurate comparison of several screwdriving curves in a curve overlay and helps to detect potential for optimising the screwdriving program.

The method also saves valuable time in the analysis of screwdriving curves.

## Filtering

The GraphViewer provides options to filter one or more curves according to torque range or step number range. By reducing the data shown, analysis is made simpler and more focussed on relevant areas.

Filtering helps to detect patterns and trends in the data and allows a quicker review of screwdriving curves and increases accuracy in data analysis.



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## Comments

Through the addition of individual comments or lines to one or more screwdriving curves, important details and characteristics can be highlighted for improved understanding. For example, measurement values outside the expected range can be quickly identified and analysed. The context between different variables are also clarified by adding data points and lines so that complex relationships are understood more quickly.

**Summary:** Overall, the GraphViewer provides excellent options for presenting data in an attractive, informative way and enables the better understanding of data relationships.

## Information about the screwdriving curves to be loaded

DEPRAG GraphViewer Cloud can display detailed information about the screwdriving curve. This not only relates to general information about the screwdriving system used, but also specific information about the screwdriving program used, such as the set torque or angle limits. Another advantage is the comparison of information from two screwdriving curves. The comparison will clearly highlight any differences, which means that possible deviations can be detected and optimised as required.

## Feedback

A feedback mechanism is integrated in the application so that users can provide feedback on the application quickly and simply. The feedback is sent automatically to DEPRAG. Good feedback aids the continued development of the application.

## Licence mechanism

Users can quickly and simply request any licences required using the integrated order form,. After receipt of the form, DEPRAG begins internal processing of the quotation. All DEPRAG GraphViewer Cloud licences follow a subscription mechanism and are valid for one calendar year.

## Updates

Regular updates contain the latest security updates and extended functionalities. Updates for the DEPRAG GraphViewer's cloud solution are provided automatically.

## Material number

Material number	Name	Note
193198	DEPRAG GraphViewer Cloud	Licence key for the DEPRAG GraphViewer Cloud, software subscription for 1 calendar year

## Availability

Immediately