

# DCSO

## DCSO – Drill Core Structure Orientator

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#### Components

- Laser rig
- External keyboard
- Software
- Power cable
- USB cable

#### Capacity

Supports core diameters up to 96 mm

#### System Requirements

- Windows XP, Windows 7

#### Availability

For rent, weekly or monthly.

Petro Team also offers instructor.

#### Development and Support

Petro Team Engineering AB

Gullbergs Strandgata 36 A

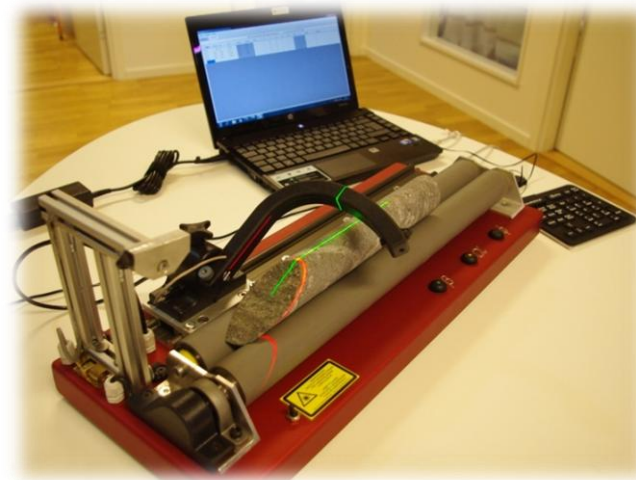
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#### Simplifies logging

- Measures Alpha and Beta in joints and other rock structures
- Joint properties can be registered
- Immediate results – strike and dip (right hand rule), Q and Q-base are calculated
- No duplicate work – input data and results in the same place
- User friendly
- Data can be exported as csv-file (text file)
- Connect to any computer and a power source
- Dust-, moisture- and shock-resistant

DCSO - Drill Core Structure Orientator is the tool that simplifies logging of drill cores.

To use DCSO is a both simple and effective way to log drill cores and its structures. All information, both data input and results, is collected into one lucid file.

Duplication of work such as registering the same data in several softwares, is ruled out and sources of error are minimized. This results in an effective process where logging and calculations are done in the same program.

Structures' alpha and beta are smoothly measured with a laser assisted method, and are immediately calculated to true strike and dip (right hand rule). At the same time, joint properties can be evaluated and registered according to the Q-classification system, which in turn will make the program generate Q-base and Q. Changes or complements are allowed to be done anytime.

#### The system

The DCSO system consists of a laser rig, power cable, USB-cable, external keyboard and software. A computer is to be connected to the laser rig.

#### Software

The project's basic information is registered in a general project sheet. Depths are registered in a joint data sheet, one or many at a time, the drill core's diameter is calibrated and measurements can start. As logging proceeds, joint parameter values for Q-classification can be registered along with alpha and beta. The record can be exported as a csv-file (text file).