



sScale™



Legally secure, accurate and transparent

Calibrated photo-optic measuring of lumber stacks by using 'sScale'™ - 3D stereo technology made by DRALLE

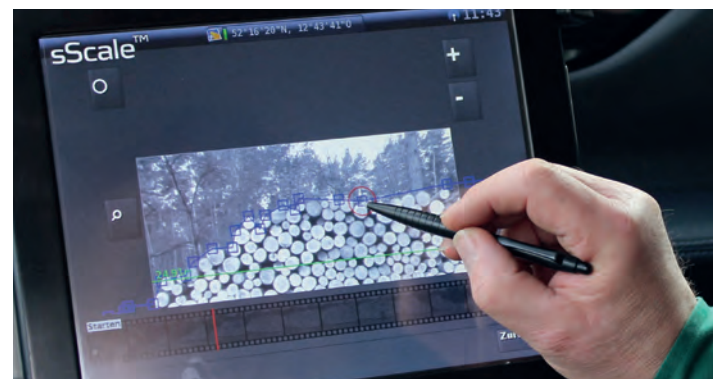
'sScale' is the professional and calibrated measuring device for lumber stack data recording in the woods. Within the Dralle logistics concept 'stacks', 'sScale' supplies legally secure data for all downstream process sections from the forest to the factory.

'sScale' simplifies and accelerates the flow of timber and information, minimises logistics costs, facilitates documentation and makes the timber sales process more transparent. Thanks to the amazingly easy-to-use measuring and data processing system, one does not have to be an IT expert to perform professional lumber stack management. A user of this device trades between 200 and 400 thousand solid cubic meters per annum, whilst ensuring maximum efficiency and process standardisation.

'sScale' is mounted on a vehicle as a stereo camera system, is quick and easy to learn and it can be operated intuitively by using the built-in touchscreen. All data, both administrative, such as lumber stack ID, tree species and buyers, as well as measuring results, such as cubic and fixed

measure, number of items and diameter distribution, are immediately transmitted to the **DRALLE webServer**, as an integrated component of the 'stacks' logistics concept, after the recording. A very advanced lumber stack management becomes possible in combination with the API data interface.

A measuring accuracy of +/-3% is guaranteed with the device calibration for the measuring of the face of the lumber stack.



'sScale' represents the new dimension for professional forest measuring - as the basis for modern logistics processes.

The mobile 'sScale'TM device: efficient, legally secure, process-integrated

3D Technology by means of stereo camera system

Drive-by-process - no yardstick, tape measure or other reference object is required

A unique LED lighting system enables the use during the day and during the night

In any weather, all year round

Measures offline - automatically transmits network coverage data

Low personnel costs, maximum efficiency and reliability

No media disruptions

Calibrated devices enable legally secure settlement processes

Highest precision under all conditions with a maximum calibration error of +/- 3% relative to the face of the lumber stack

Comfortable and intuitive operation

Effective integration into the entire process chain

It's that easy:

Notification of lumbar stack completion and registration: using the Android app **StackSnap** in the forest or directly using the map on the **webServer** (alternatively also via the own IT application by using API).

Navigation of the '**sScale**' vehicle to the registered timber lumber stack and stereometric image capturing in a drive-by-process.

'**sScale**' Image analysis by using calibrated front surface measurement, piece counting and diameter detection. Additional information regarding documents, quality, notes and GPS position as well as further photo documentation. In case of network coverage: Synchronisation with the **webServer**.

Individual data management featuring filter and export functions (as lists, measuring logs, defined interface files).

The professional forest measuring data can be shared with hauliers or contract partners. '**sScale**' data provide the basis for downstream logistics processes and the implementation of an electronic delivery note.



Contact DRALLE Germany

ulh@dralle.dk
cst@dralle.dk

DRALLE A/S
Venlighedsvej 4
DK-2970 Hørsholm
Dänemark

Tel: +45 27 11 36 96
sales@dralle.dk
www.dralle.dk