

sScale

High-precision timber measuring in all conditions



Quality, precision & certified

sScale enables automated timber stack measuring at the push of a button – from the safety and comfort of your vehicle. The system has been repeatedly certified by the German PTB. Whether in darkness, heavy rain, snow, or summer conditions, the system delivers certified stack measurements with a standard deviation of less than $\pm 3\%$.

Based on 3D photo-optical technology, sScale provides accurate volume measurement without the need for tape measures, yardsticks or labels. The system is designed for off-grid use and operates reliably in all seasons.

When connected to the internet, sScale transfers data directly to the Dralle web server, which can be integrated with your existing IT systems. A built-in stack administration tool provides full traceability of timber movements, and you remain in control of who can access which data at any time.

With the sScale system you get:

- High-precision 3D timber measurement
- All-season, day and night, off-grid operation
- No need for tape measures, labels or manual marking
- Map-based timber registration and tracking
- Up to 500,000 m³ measured per year per system
- Seamless data integration with your existing systems
- Compliant, accurate and transparent measurements
- Automated operation 24/7
- Up to 10,000 m³ measure per day per system
- Configurable stock and data management



Measure



Track



Trade

Latest technology

In 2022, Dralle introduced a new version of sScale featuring AI-based surface detection. This improves identification of the front stack surface, enhances operator workflow, and enables diameter measurement of individual logs – supporting better control and sales optimisation.

Log end detection

The upgraded system includes:

- Automated volume measurement
- Precise log diameter classification
- Solid cubic metre calculations

sScale is the result of more than 15 years of development, based on field practice with leading forest industry stakeholders. Dralle is the market leader in photo-optical woodscaling.

Benefits

With the newest version of sScale the gains are higher than ever:

- Faster measuring workflows
- Accurate classification for optimised pricing
- Certified camera technology for legal trade
- Avoid discussions or end them with precision measurement
- Consistent accuracy – regardless of light or weather conditions

sScale is available for lease, with flexible pricing models.



Bavarian State Forests (BaySF) has used Dralle's sScale system since 2007, with eight units integrated into our SAP system. To date, we've measured over 8 million cubic metres across nearly 200,000 stacks—consistently and without issues. The reliable geo-data, images, and stack descriptions have helped us optimise logistics and reduce cycle times. Photo-optical processes are increasingly vital to the timber supply chain—and we see them becoming indispensable across the industry.

Martin Müller, Head of Logistics, Bavarian State Forests



How sScale helped Bavarian State Forests

Scan the QR code to watch how sScale improved the forester Alexander Kanzler in his measuring.



Would you like to learn more?

We're happy to help you find the right setup. Feel free to reach out or visit our website.

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Measure timber stacks effortlessly with sScale – automated, accurate, and certified, even in harsh conditions. See how it works.