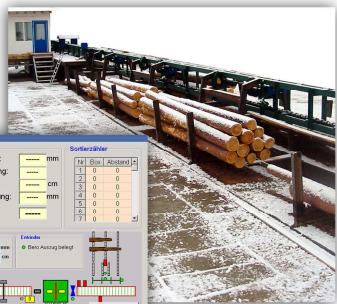
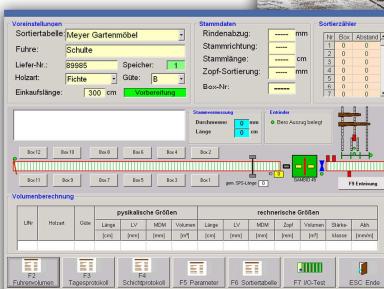
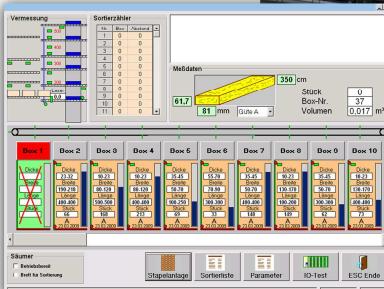


Log Sorting

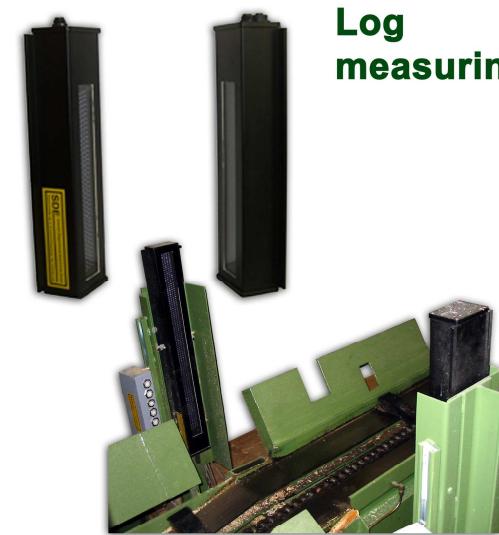


- Volume detection and box sorting
- Detection of curvation
- Input measuring of incoming logs

Timber sorting



- Volume detection of boards
- Level sorting
- Box sorting
- Static and dynamic sorting system
- Control of the entire stack device



Exact detection of diameter

- from 300 to 1536 mm
- resolution of 1 mm
- up to 1180 measurings per second

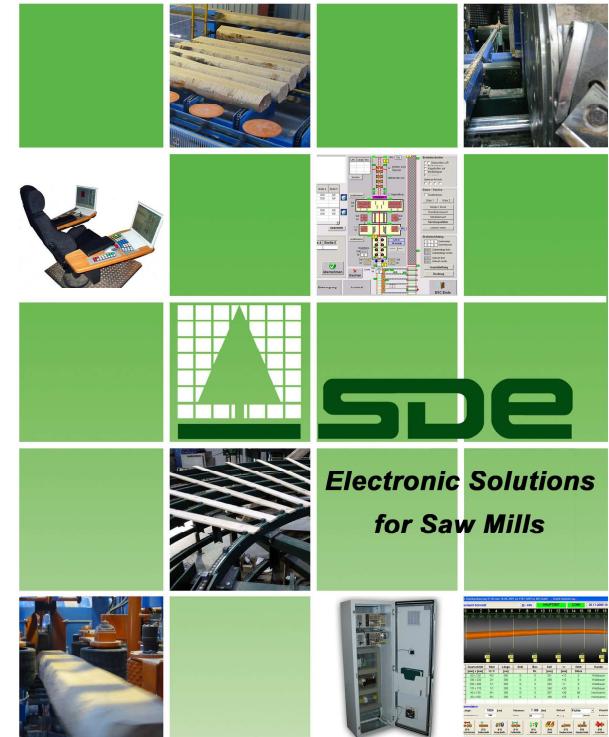
2D measuring: Infra Red (IR) measuring frame

3D measuring with

- Cross measuring with two IR measuring frames
- combination of IR measuring frame and Ultrasonic Sensors

3D measuring with combination of laser and camera

Log measuring



sde

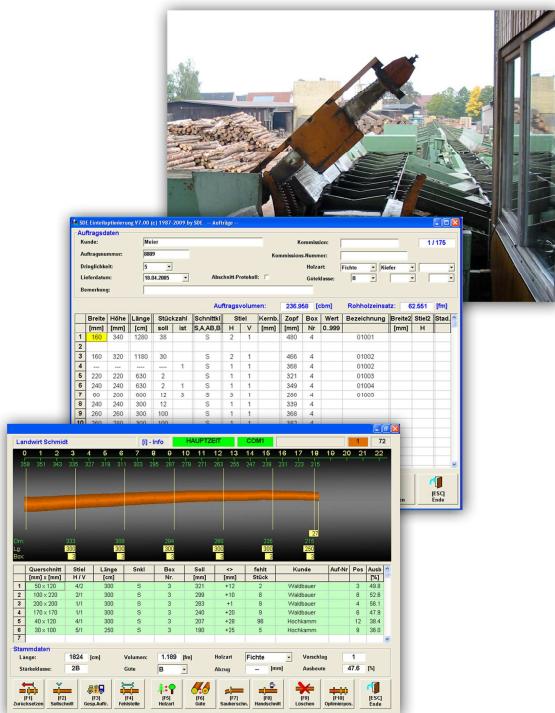
**Electronic Solutions
for Saw Mills**

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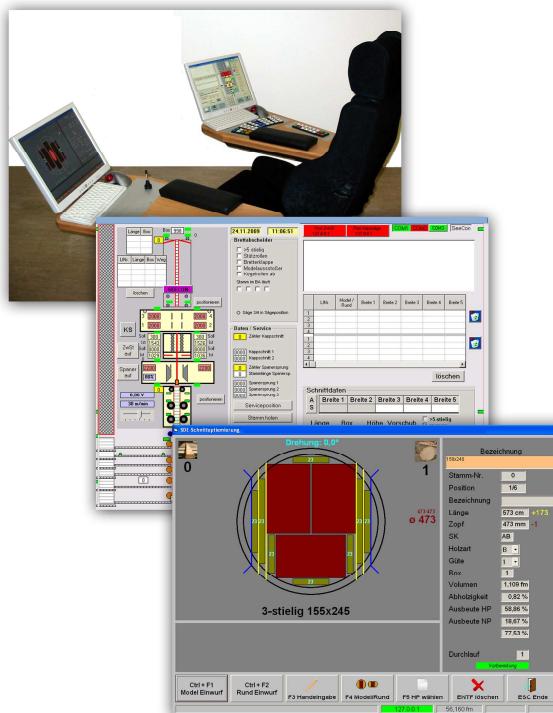


Schmitt-Degenhardt-Elektronik GmbH



Length optimisation Opti 700

- Input measuring of incoming logs
- Calculation of optimal length combination under consideration of curvation, thickness reduction and urgency
- Processing including visualisation
- Automatic log positioning
- Control of drop saw including sort sequence
- Intuitive menu navigation under windows user interface



Sawing pattern optimisation

- Sawing pattern optimisation for fast movable saws and chipper canter
- Optimisation under consideration of
 - complete volume figures
 - actual needs products
 - cost effectiveness
 - optimal yield
 - chipper canter jump
- Processing of entire saw line
- Positioning of axles
- Automatic log rotation



Board optimisation

- Cutting speed up to 120 board per second
- Control of up to 10 varialbe axis
- Optimisation according to board width, top surface, wane, priority and prices
- Optimal management of board data
- Cutting parallel to growth ring (optional)
- Up to 50.000 board combinations