

„ON-THE-FLY“ VOLUME MEASUREMENT  
**LOGISTICS**



# „ON-THE-FLY“ VOLUME MEASUREMENT FOR „LOGISTICS 4.0“

## OPTIMISATION OF MATERIAL FLOW & PROCESSES

Whether contract logistics or freight forwarding – time expenditure and precision have a direct influence on profitability.

With Dallmeier's automatic volume measurement logistics professionals optimise loading, invoicing and the determination and control of shipping costs.

## MAXIMUM FLEXIBILITY BY CAMERA TECHNOLOGY

The measurement portal is camera-based and therefore extremely powerful: It detects a wide variety of packaging materials and even special packaging dimensions with high accuracy.

The system is particularly efficient in detecting and recording the exact dimensions of badly packed pallets and overhangs.

## UP TO 95 % TIME SAVING

On a defined route the Dallmeier solution automatically records the volumes of packages during internal transport.

The measurement can take place at a speed of up to 10 km/h (2.77 m/s). The time saving for the entire recording process is up to 95 %.

## INTEGRATION INTO WMS

The determined volume data is assigned to the scan data and automatically transferred to the WMS.

The system enables a completely automated recording and transmission of all relevant package data. Hand scanners or permanently installed scan systems as well as weighing systems can be integrated.

- 3D camera systems
- HEMISPHERE® Software
- Lighting system
- Measuring frame (approx. 6x6 m)



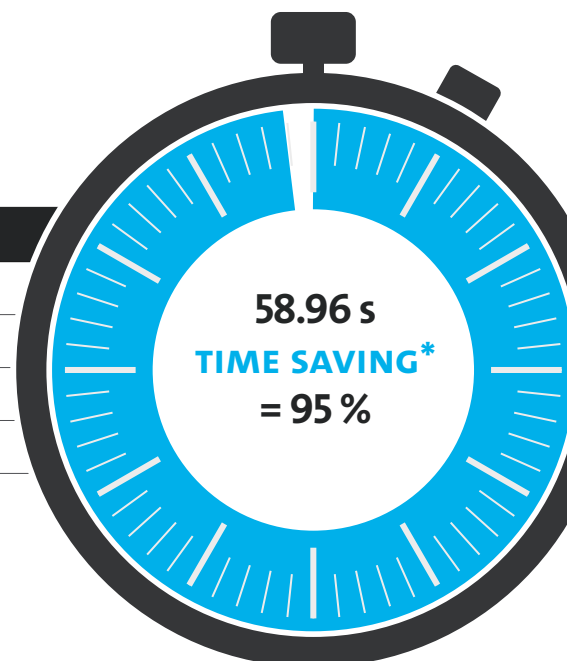
The automated recording of volume and weight during internal transport supports logistics companies of all kinds in their digitisation initiatives.

ADVANTAGES	CUSTOMER BENEFITS
Dynamic measurement in motion	<ul style="list-style-type: none"> <li>• Simple implementation in the existing flow of goods</li> <li>• High flexibility</li> </ul>
Elimination of manual recording processes	<ul style="list-style-type: none"> <li>• Reduction of operational and administrative efforts</li> <li>• Protection against document loss or incorrect entry</li> </ul>
Reduction of the process time	<ul style="list-style-type: none"> <li>• Reduction of process costs</li> <li>• Reduction of idle time</li> <li>• Efficient use of the valuable resources employees, vehicles and space</li> </ul>
Data transmission through interface connection	<ul style="list-style-type: none"> <li>• Punctual provision of the goods and freight documents</li> <li>• Achievement of customer goals and KPIs</li> <li>• Quality improvement</li> </ul>
Correct package data	<ul style="list-style-type: none"> <li>• Correct cargo declaration and tariff classification</li> <li>• Improved transport planning, protection against excess load, optimal capacity utilisation</li> <li>• Sustainability</li> </ul>
Additional picture documentation	<ul style="list-style-type: none"> <li>• Image-supported documentation of damages</li> <li>• Unambiguous identification of damaged packages</li> <li>• Easier processing of claims</li> </ul>

### SAVINGS POTENTIAL

Sample calculation for freight forwarding:  
 1,800,000 pallets per year, 10 % remeasurement

	per palett	per year
Time saving potential	58.96 sec	2,947.85 hours
Personnel cost savings potential	0.38 €	68,474 €
Freight corrections	10 €	180,000 €
New service "Measurement"	5 €	90,000 €



\* based on average volume measurement time per pallet:  
 manual: 61.92 s - automatic: 2.96 s



Dedicated to quality. Driven by passion.

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 MADE IN GERMANY

