



The following data are collected:

- Quantity for first and second choice as well as waste
- Quantity for stacked pallets
- The current state of the plant is recorded continuously (production, downtimes, waiting times,...)
- Each charge can be assigned to product name, item number and order
- Shifts with associated operators

Additional functions:

- Automatic shift management for three-shift-operation
- Manual shift management including assignment of operator
- Automatic charge management when changing products
- Manual charge management
- Automatic maintaining of the database with task scheduler
- Archiving function for older data
- Automatic and manual export function to Microsoft Excel
- Retrofit possible even for older HESS plants and installations of other manufactures

As the industry demonstrates increasing digitalization of production processes (Industry 4.0) the HESS Production Statistics supports continuous improvement programs and other manufacturing excellence initiatives. New functions:

- Digital chamber and storage administration
- Link to ERP Systems (SAP, Navision, Oracle)
- Integration into customer-specific order management
- Feedback of produced quantities to customer systems
- Integration of qaver-data for quality control
- Product tracking

Advantages:

- Process feedback saves time and costs
- Increasing and securing product quality



HESS Production Statistics

NEW FUNCTIONS!



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The new HESS production statistics provides all relevant production data such as orders, shifts, staff, units, downtimes, etc. of a complete plant.

All Information are collected in a Microsoft SQL-Database. The data is sorted by location, plant and plant equipment. Therefore, several production facilities can be evaluated in the same evaluation.

A web-based visualization is used for screening the production statistics meaning that the data can be retrieved internally or externally through a web browser. Thus, these data can be called up by mobile devices such as smartphones or tablets.

The following analysis is provided:

- Graphical summary with all key information for a selected data field
- Graphical comparison with all key information between two selected data fields
- Tabular shift overview with all information for a selected data field
- Tabular overview of charges with all information for a selected data field
- Chronological sequence of events for the whole plant

Item	Value			
Production				
Total	1478			
1. Quality	1478 / 100			
2. Quality	0 / 0			
Waste	0 / 0			
Pallets 1.	0			
Pallets 2.	0			
Cycle time total	19.7			
Cycle time total	182.9			
Cycle time production	15.8			
Cycle time production	218.4			
Time accumulation				
Work time	8.08			
Stop time	0.23 / 2.9			
Wait time	1.38 / 17.1			
Production time	6.67 / 80			
Automatic	7.95 / 97.1			
Available	7.98 / 98.8			
Waiting times				
Finger cart	0.9 / 11.2			
Prog. 1/2	0.17 / 2.1			
F-Mix	0.13 / 1.6			
C-Mix	0.1 / 1.2			
Boards	0.08 / 0.9			
Stop times	0.23			
Mould / Product change	0.21 / 2.5			
Short stop	0.03 / 0.3			
Information				
From	21.08.2014 05:55:00			
To	21.08.2014 14:00:00			
Count charge	3			
Count shift	1			
Production				
Plant part name	Total	Job	Product name	
Nassseite 1	300		MAHFIX G	
Nassseite 1	520	4013	BP 4040S G MF	
Nassseite 1	658	3995	MAHFIX G	
Worktime				
Last name	First name	Personal number	Operator task	Op
Sam	Sample	2527	Schichtleiter	000



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