

User Story

Herbert Maschinenbau

FARO



Use of the FARO Gage for incoming goods inspection.

More flexible and precise inspection at Herbert Maschinenbau thanks to the FARO Gage

MECHANICAL ENGINEERING/ INSPECTION *The FARO Gage enables Herbert Maschinenbau GmbH & Co.KG to increase the flexibility and precision of inspection measurements, particularly in the area of monitoring goods arrival, and thus helps to save time and money.*

The company, with its headquarters in Hünfeld (near Fulda, Germany) and with some 300 employees, has been active in the global market with great success ever since it was founded in 1905. Its main area of activity is the development, design and manufacture of system solutions for tyre production. The range of services include machines and tools for both tyre construction and vulcanisation. Herbert provides complete solutions for the global tyre industry. The diverse product range includes tools and machines for the manufacture of scooter and bike tyres, through to tyres with a diameter of more than four metres for special-purpose vehicles.

As the quality of the products is vitally important to the company, measuring technology has been used at Herbert Maschinenbau GmbH & Co.KG for a century. Hand-held measuring devices, callipers, fixed CMMs and CNC-controlled measuring systems in processing machines are all used to carry out measurement tasks. At the end of 2011 the company decided to use portable measuring technology from FARO. A particular focus was the improvement of the monitoring of incoming goods and interim checks in the production process.

In the search for a suitable solution, the company from Hünfeld collected information on the subject at the CONTROL trade exhibition in Stutt-

gart for example, where they found out about the innovative products from FARO. In choosing a suitable measuring system the following criteria were particularly relevant: precision, portability and simple, user-friendly operation of the equipment.

The FARO Gage has been used in the area of goods incoming inspection as well as for interim checks of products produced in-house since the beginning of 2012.

The Gage is particularly well suited to these tasks due to its flexible application options.

The primary job is to check the quality of incoming goods and the inspection of parts in order to ensure optimum processing.

Herbert Maschinenbau

www.Herbert-maschinenbau.de



Use of the FARO Gage for interim checks during the production process.

>> With this application in particular, a 40% to 50% time saving has been achieved through the use of defined measuring procedures or macros, known as predefined measuring processes. It is also especially important for Herbert Maschinenbau to be able to replicate and verify the quality and fit of purchased parts, which can be documented and checked by means of reports. This check must be carried out quickly and efficiently, before the parts are used in production and assembly. Furthermore, there are plans to use the FARO Gage in other areas as well.

Measurement tasks that have been difficult to implement up until now due to their complexity, are now easier to manage thanks to the Gage.

The measuring system developed by FARO now enables the company not only to measure complex parts and components, but also offers the customer the opportunity to check the quality of the parts produced by means of direct model comparisons.

Herbert has invested ten million Euros in state-of-the-art technology in the past few years alone.

"We are the number one worldwide in terms of quality and market share in mould making," says the company's managing partner Matthias Walter in an interview for the BVMW Enterprise Award.

"We have been able to expand our measuring capabilities and use the Gage for direct model comparison."

THOMAS LANDGRAF
HEAD OF QUALITY ASSURANCE AT HERBERT

HERBERT MASCHINENBAU GMBH & CO KG

The company was founded as an engineering works in Frankfurt am Main by Leonhard Herbert in 1905. It was initially involved in the manufacture of vehicle tyre moulds. The transition to the construction of vulcanising equipment for tyres and tubes, finally incorporating the production of prefabrication machines for tyres, was made there after.

The engineering firm Herbert Maschinenbau GmbH & Co., based in Hünfeld (Germany), was founded in 1966 and continues to manufacture tyre moulds and building drums in the industrial region of Hünfeld, near Fulda. Based on extensive investment measures, the company, which celebrated its 100th anniversary in 2005, has now become a market leader in the field of the development and manufacture of products for the tyre manufacturing industry. A worldwide network of branches and agencies ensures that Herbert can fully meet the needs of its globally active customers.

Herbert Maschinenbau GmbH & Co. KG first port of call for your customers when it comes to moulds, containers, tyre-building drums or manufacturing capacities. Herbert Maschinen- and Anlagenbau GmbH & Co. KG is the specialist in hot presses, tyre manufacturing machinery and other machinery and equipment for the manufacture of tyres.

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– FOUR GOOD REASONS –

Markus Grau, Product & Business Development Manager Gage at FARO, says:

- 1 Versatile: The FARO Gage replaces all conventional gaging devices. This allows you to save time and money with one single device.
- 2 Portability: The Gage is a portable device for jobs needed on different areas of the shop floor.
- 3 Simple to use: The FARO Gage's internal counterbalance allows the user to move the Gage with one hand without becoming fatigued.
- 4 Wireless operation: The new Bluetooth cable free operation and the extended-use-battery provides true "measure anywhere" capability.