

INDUSTRIAL FLOW

Your Partner for
Industrial Flow Measurement



MASTERPIECES
MADE IN GERMANY

www.meister-flow.com

MASTERPIECES MADE IN GERMANY

MEISTER STRÖMUNGSTECHNIK® – FROM THE BEGINNING TO WHERE WE ARE TODAY

“Innovation and quality – this is what our family business stands for since 1984. It all began with an idea, a pioneering spirit. With the development of the first position independent flow monitor, our father and company founder, Hugo Mill laid the foundations for our success – lasting until today.

We develop, produce and distribute – with the help of our extensive distribution network – our versatile products worldwide. Our company is internationally known for innovation, expertise and quality in the field of flow measurement technology.”



Sebastian Mill and Simon Mill,
Managing Directors

What we offer:

- In-depth know-how
- Best quality in our field
- Long-standing experience
- Professional consultancy
- Customized solutions
- Fast and reliable delivery times

EXPERIENCE MEETS INNOVATION

FLOW MEASUREMENT IS OUR BUSINESS

Experience makes experts. Founded in 1984, we develop, produce and distribute systems for flow measuring and monitoring worldwide in the industrial environment. Our product portfolio includes devices that cover a wide range of applications for liquid and gaseous media. Supplemented by customized solutions – our strong point – we always offer the right solution for your specific requirements.

INDUSTRIAL COMPETENCE

- Mechanical & Plant Engineering
- Process Engineering
- Water Treatment
- Process Industry
- Power Generation
- Cooling Systems
- Semiconductor Industry
- Electronics





GET INTO THE FLOW®

Worldwide market conditions require a maximum of flexibility and dynamics in all business divisions – from product innovation over quality management to customer service.

No question, what you can expect from us: Highest commitment in the continuous development and improvement of all our performance areas – **everything flows.**

FROM EUROPEAN CHAMPION TO GLOBAL PLAYER



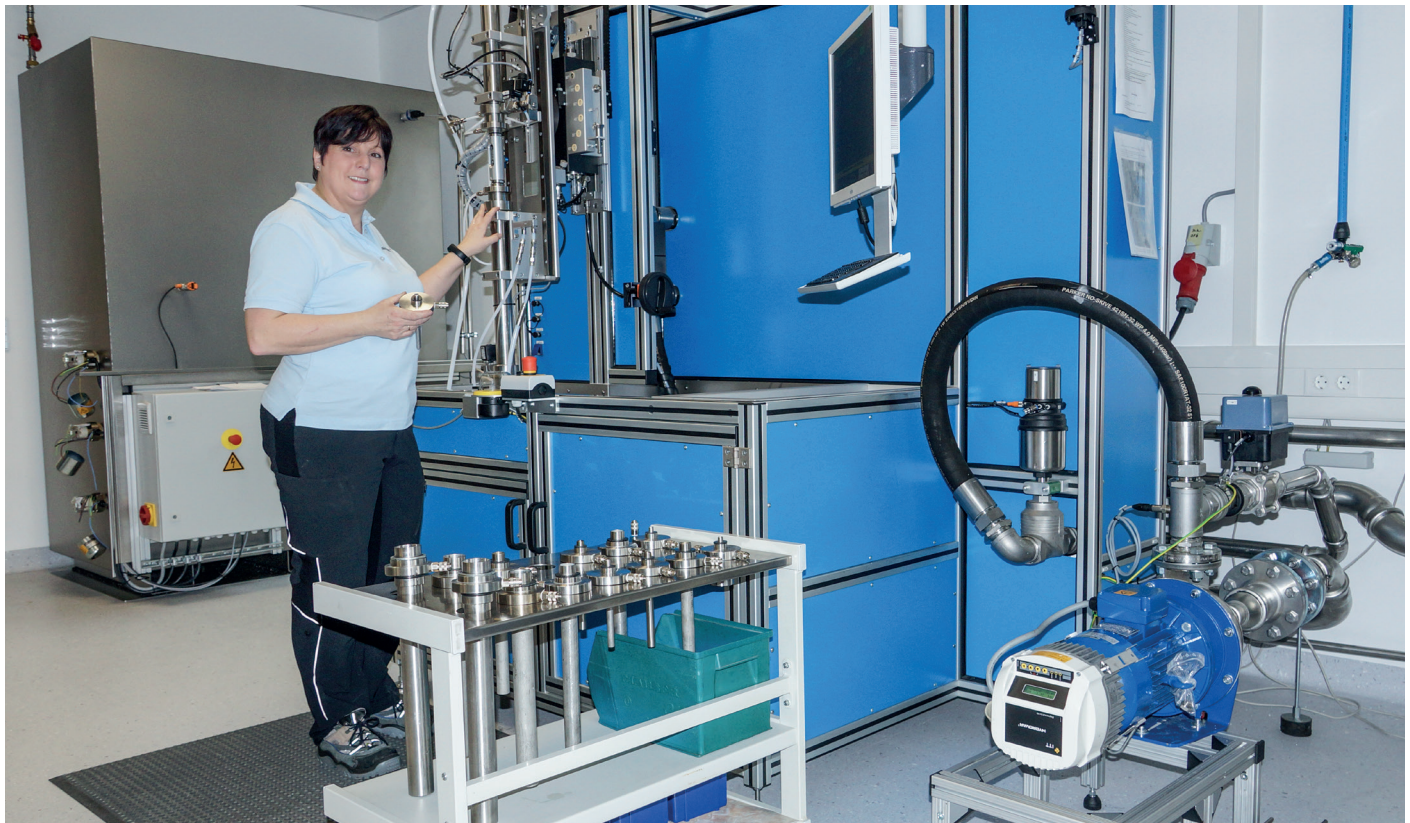
Detailed market research and close contact to our worldwide customers and trading partners ensure that our products always meet the market requirements and the current state of technology – or even exceed them. **With more than 1,000,000 products installed worldwide, we focus on a zero-defect-policy.**

The opportunities of the global market – especially in the field of additive manufacturing – are remarkably high. Therefore, all signs point towards expansion. Moreover, the requirements of Industry 4.0 are a topic of growing importance worldwide. Our aim for you is to benefit from the merging of smart 3D-printed flow measurement and IO-Link technology, offering competent and comprehensive solutions.

Strong partnership for performance. Worldwide. This is the slogan of our constant pursuit of offering our quality and service worldwide through international cooperation with various partner and distribution companies. We are well aware of the power of a functioning partnership and are prepared today, for the challenges of tomorrow.

YOU CAN RELY ON US

"Process assurance is one of our highest priorities. This is guaranteed by our ISO 9001, UL, ATEX and CSA certifications."



MASTERFUL QUALITY

COMPETENCE IN INDUSTRIAL FLOW MEASUREMENT

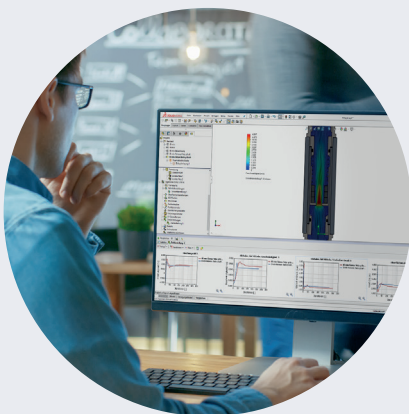
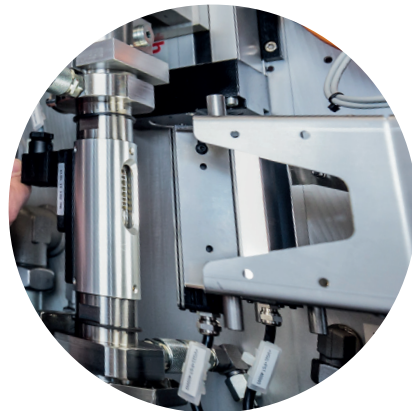
We are setting pioneering impulses in order to be able to maintain and improve our high quality service spectrum.

Our corporate philosophy is based on the highest reliability, fairness in social interaction and customer-oriented thinking and action. This is what we represent here at our site in Wiesen, Germany. You can count on the high qualification and motivation of our employees, which results from transparent processes in our company.

Do today, what others will think about tomorrow.

Through permanently monitored laboratory test systems and cooperations with renowned research institutions we always follow a zero-defect policy and are strengthening our position as an expert in the industrial flow measurement. Creating more in-depth knowledge and thus competence which enable us to further enhance our products is the goal of our technology center.

WE ARE
FLUENT IN FLOW
TECHNOLOGY



GENERATING ADVANTAGES THROUGH FLOW SIMULATION

Digital flow simulation is firmly integrated in our house. This allows a precise analysis of the flow medium behavior in the flow monitor and determines the effects on internal components. Through the numerical simulation, possible measuring ranges of the device can be examined in advance. Hence, actual tests on the test stand are superfluous in the development process. This economizes – in contrast to the classical development – the production, investigation and adaptation of real products. Thus, valuable development time and costs are saved.

Through digital simulation we maintain the perspective.

Digital simulation enables a quick view of

- The flow medium behavior within the flow monitor
- The achievable measuring range due to the geometry of the flowmeter
- As well as the flow changes in different float positions

Advance with us, to future customized solutions through employment of additive manufacturing and numerical simulation.

DEVELOPMENT FROM A MASTER'S HAND



FACILITATING CONDITION MONITORING

Whether **water, oil, air, gas or special media** – with us you will find the right solution. Based on our standardized and versatile product portfolio, we can also offer you customized solutions - as individual as your fingerprints. You will receive the flowmeter adapted to your specific requirements at an unbeatable price-performance ratio. Your satisfaction is our benchmark.

INTELLIGENT FAMILY EXPANSION: OUR NEW PRODUCT FAMILY "4.0"

Analog transmitters allow continuous evaluation of sensor signals and are therefore an indispensable part of the comprehensive implementation of Industry 4.0. The goal is a complete integration of process-relevant sensors.

These sensors include float-type flowmeters, which are characterized by sturdiness, speed and reliability. Therefore, they are an indispensable part of industrial measurement technology.

The next level of miniaturization. With minimal space requirements, our SIGNAL 4.0 and MONITOR 4.0 combine sensor technology and the associated electronics. This guarantees suitability on a variety of mechanical sensors. The SIGNAL 4.0 and MONITOR 4.0 can be utilized in connection with a wide range of our flow monitors. That makes it ideal for the measurement and monitoring of a wide variety of flow media.

The requirements on the technology are constantly increasing. Here, everything is connected. Classic binary switches are usually limited to simple switching signals or analog values. Today, thanks to IO-Link technology, a large variety of information from your plant can be



SIGNAL 4.0 IO PRO

recorded and prepared for further processing through intelligent sensors.

With our smart SIGNAL 4.0 IO PRO, we developed a fully digital transceiver for process measurement. With the help of a Hall-sensor, the position of magnetic floats can be detected and transmitted through the IO-Link-interface.

In addition, external sensors enable the detection of temperature and pressure, transforming them into digital signals which are transmitted by the IO-Link interface.



SIGNAL 4.0 +
MONITOR 4.0



GLOBAL MASTERS FOR INDUSTRIAL FLOW MEASUREMENT

Meister Strömungstechnik GmbH has grown from humble beginnings in a small garage in Germany's Spessart Forest into a globally active company with strong local roots.

For over 40 years, we've been known for precision, reliability, and high-quality flow measurement products "Made in Germany".

Today, Meister operates worldwide through a certified network of distribution partners. A key hub for the Asia-Pacific region is our wholly owned subsidiary in Kuala Lumpur, Malaysia – Meister Asia Pacific Sdn. Bhd. – led by Dietmar Gierlich.

He builds local partnerships and ensures expert support across Asia, Australia, and Oceania.

For all other regions, Rajko Eichhorn leads the management and development of our global customer and distributor network.

Wherever you are, Meister offers expert, on-the-ground support through local specialists – delivering top-tier service and technical excellence close to our customers.

A MASTER AT WORK

Mr. Eichhorn is responsible for our international partner network and for our global business development.

With a Masters in Electrical Engineering and a Masters in International Business Administration Mr. Eichhorn has over 20 years of experience in international sales management for industrial products.

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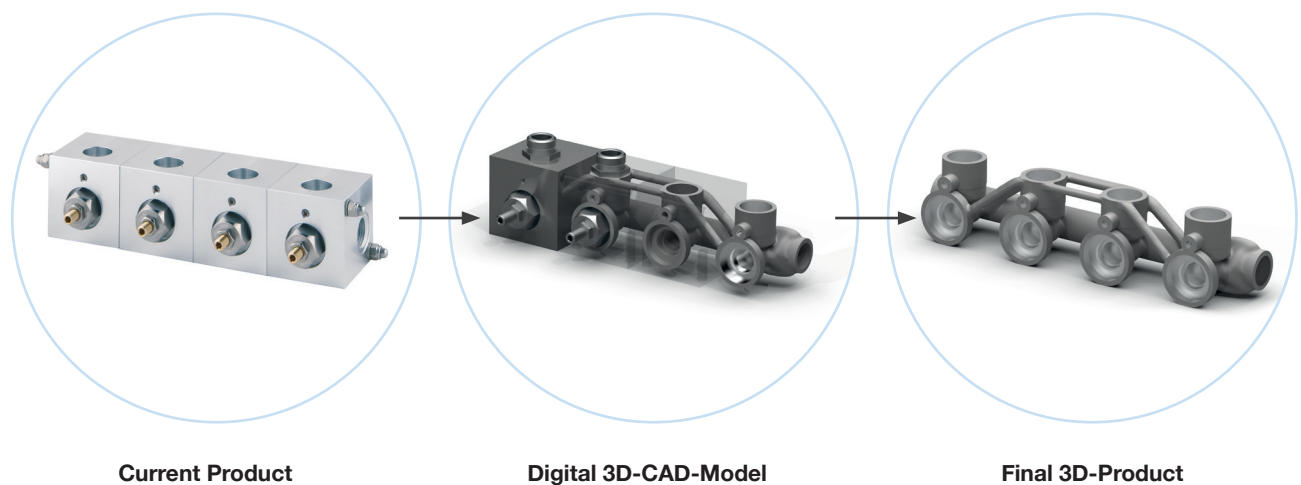
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Rajko Eichhorn, Director International Sales



FROM THE CONCEPT TO THE FINAL CUSTOMIZED 3D-PRINTED PRODUCT



MASTER OF THREE- DIMENSIONALITY

3D-PRINTING: EASIER – FASTER – CUSTOMIZED

Our new flow switch: Three-dimensionally printed in only one process. With 3D-printing technology, we are pioneers in the field of additive manufacturing for industrial flow. Surprise yourself with our new 3D-product-family: Intelligent IO-Link systems and additive manufacturing form a unit that meets the requirements of Industry 4.0 today and in the long term.

Do you know the benefits of 3D-printing?

Common production methods such as turning, milling, drilling etc. are abrasive manufacturing techniques. This means, material is taken away from a solid material with the help from a tool. The 3D-printing is therefore also called additive manufacturing, because material is “built up” instead of removed - without tools in the classical sense. Thus, almost any geometrical shape can be made directly and freely, using a digital model.

Above all, this makes the method efficient. Different materials become printed layer by layer on each other in only one single

process. This leads, in addition to saving time, to a reduction in material costs.

Depending on your desired media and material requirements, we will assist you in choosing the best components from a large quantity of existing printable materials. Furthermore, through our own material development, we can create composite materials that can be tailored to fit your personal requirements.



INTELLIGENCE PAIRED WITH TECHNOLOGY

We are pioneers in manufacturing mechanisms and application-specific devices in the flow measurement industry – especially with our intelligent 3D-printing technology. Our development processes always focus on Industry 4.0, which intelligently combines industrial production with modern information and communication technology. All of our processes are synchronized to create a sustainable, long-term functioning system.

SUSTAINABILITY THROUGH MATERIAL EFFICIENCY

Located in Germany's beautiful “Hochspessart” region, we support environmental protection. That's why we voice our concern on waste and environmental destruction. In additive manufacturing, only the lasered material is being utilized. The unused material from 3D printing is reusable. This allows resource efficient production and generates less waste due to lower material consumption. Intelligent recycling is thus ensured.





MASTERFUL ADVICE

TECHNOLOGY TO TOUCH

We invite your technical and commercial decision makers to be consulted on a workshop level. In our professionally equipped Flow-Mobil we offer live, on site presentations by trained professionals right on your company site. Thereby you have the unique opportunity to get to know and understand our product portfolio from an interactive perspective.

Get insights into our latest developments concerning customized solutions and discover our products and benefits from a new point of view.

What you can expect

In addition to our classic product portfolio you will receive information about additive manufacturing (3D-printing) in the industrial sector and IO-Link technology. Secure your competitive advantages through the use of your tailor-made products.

Arrange your non-committal consultation under **www.flow-mobil.de** now.



Our competent team looks forward to meeting your requirements – of course, with decades of proven Meister quality.

If you have any questions, please contact us under:
flow-mobil@meister-flow.com



School Africa

KINDERHILFE TANSANIA

THE MASTER'S SCHOOL



Tanzania, 16 of August 2009 – second anniversary of the death of founder Hugo Mill. We are on Mount Kilimanjaro at an altitude of 1,500 meters. 3,000 people are waiting, pressed together, in order to be part of the opening of the training center “Hugo Mill”. A year of hard work lies behind the people in Uomboni, which is the location of the vocational school we in cooperation with the private organisation “Kinderhilfe Tansania” in Germany. This project, which was largely financed by us, is still supported today.

A few weeks earlier: The villagers poured concrete for the ceiling of the school, using two old concrete mixers, eight shovels and roughly 100 buckets. “People here have almost no mechanical devices.”, emphasizes Rosemarie Mill, mother of the managing directors Simon and Sebastian Mill.

In rows of two, they carried the full buckets on the ceiling, in a third row, the empty buckets are returned. Suddenly: Heavy rain had set in. The construction process was turning into torture. “We were soaking wet and worked like crazy.”, remembers Werner Friedel, the organizer of “Kinderhilfe Tansania”.

Four months later, the inauguration of the school was celebrated. “We were deeply impressed by the hospitality, the happiness and emotionality of the African people”, said Rosemarie Mill. With the construction of the center in the structurally weak area of Tanzania, a century project was turned into reality. **“We are very happy to be a part of it.”**

HUMANS AND NATURE FIRST

What is it, that really matters?

This is a question we are constantly asking ourselves – not only in terms of development processes, but also the changes that digitalization brings. The transformation of digitization carries the risk of losing sight of the essentials: the human being and nature. Wherefore attach great importance to working sustainable and focusing on nature and people. We also offer our employees weekly yoga classes to promote emotional and physical balance. Furthermore, we support the association “Grenzenlos e.V. Aschaffenburg”, which supports homeless and poor people. Our goal is to set a clear sign for unity.

A MASTER'S SUCCESS HAS ITS REASONS

Our aim: More than ever we strive to inspire our customers - with innovative products and solutions, tailored consulting and excellent service.

With more than 1,000,000 installed devices worldwide, a large number of customers, in a wide range of industries, have placed faith and trust in us. Globally, we are a mid sized company, with a proven record in flow measurement technology. We achieve customer satisfaction through **high class service, quality, innovation and responsibility**, and that on a daily basis, because satisfied customers are successful customers.



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