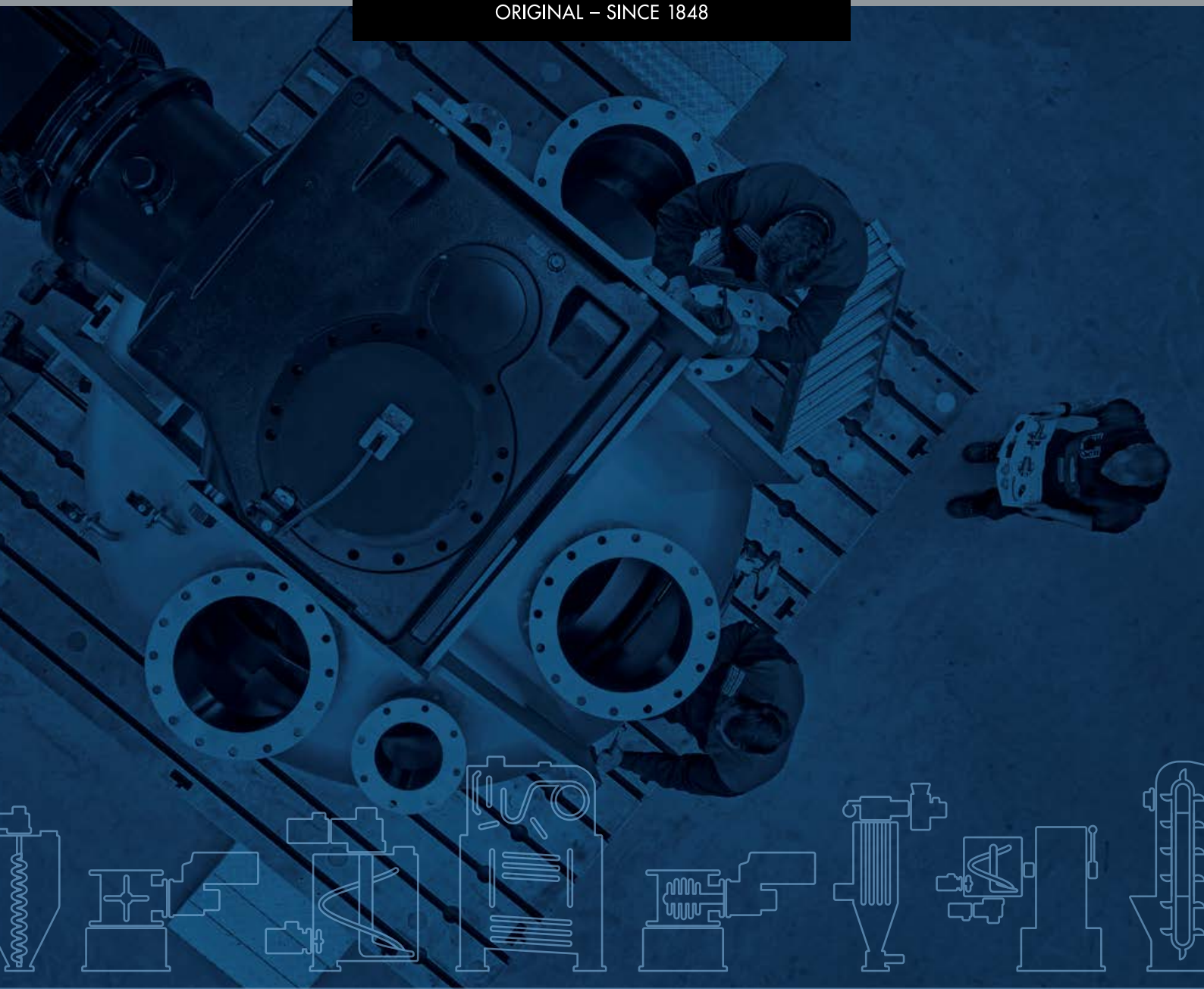


# GEBR. RUBERG

## MASCHINENFABRIK

ORIGINAL – SINCE 1848



RESEARCH | DEVELOPMENT | DESIGN | ENGINEERING | SERVICE



# INHALT

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## Gebrüder Ruberg

Founded in 1848 by Christian Ruberg

It started with mill and water wheels ... today our company produces powerful grain cleaning machines and industrial mixers in the sixth generation. And with an eye to the future, we are already working on tomorrow's solutions.



# 17,500

Machines have left our plant since the company was founded. However, what really matters is not the machines themselves, but what they produce for our customers.





Janina, Alhard and Marc Ruberg



Reliable industry partner since almost 200 years – with comprehensive expertise, experience and know-how

Proven plant technology, tested processes and tailor made solutions

Everything from a single source: Complete solutions up to the end product – only one contact person

The original since 1848

# WE ARE RUBERG!

Machines from GEBRÜDER RUBERG have been around for almost 200 years. Testified by history: based in the heart of Germany, in the Westphalian town of Nieheim, where expertise and engineering experience have deep historical roots.

When Christian Ruberg laid the foundation stone for his small business in 1848, he probably couldn't imagine that almost 200 years later it would become a globally operating company. While in his time he installed water wheels in mills, today his descendants and an accomplished team of specialists develop high-performance machines for industry and agriculture that are used successfully around the globe.

Find out below why RUBERG can also produce the right machine solution for your requirement.

# SOLUTIONS



Industrial Technology

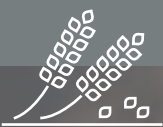


Agricultural Technology

Food	● ●	Plastics	●	Cosmetics	●
Spices	● ●	Environmental Technology	●	Baking Agents	● ●
Delicatessen	●	Recycling	●	Baby Food	● ●
Flavours	●	Glass	●	Enzymes	●
Confectionery	● ●	Wood	● ●	Panades	●
Animal Feed	● ●	Ceramics	●	Coffee	● ●
Pharmacy	●	Fertilizers	● ●	Tea	● ●
Chemicals/Petrochemicals	●	Cereals	● ●	Malt	● ●
Building Materials	●	Oilseeds/Legumes	● ●	Cultures	● ●

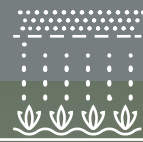
● = Mixing, ● = Cleaning

Your product world is not listed? – Ask us, we will find a solution for that too!



## Cereals

For example: Wheat, Rye, barley, spelt, oats, millet, rice and many others.



## Fertilizers

For example: Field fertilizer, universal fertilizer, mineral fertilizers and much more.



Customers, industries & products

# THESE ARE OUR STRENGTHS

Customers for whom we provide innovative solutions in mechanical engineering appreciate and recommend us because of our quality, reliability and creative development potential. Together with them, we create the technological edge along their value chain and beyond the desired product, also with regard to competitors and the usual market standards.

Our holistic support is therefore fully dedicated to your economic success. – Our team of experts, consisting of engineers, designers and technology specialists, places a strong focus on efficiency, sustainability, automation, digitalization and cost-saving potential, keeping an eye on both ecological and economic aspects\*.

But how exactly does RUBERG implement these demanding processes for high-performance cleaning machines and mixing technologies? – You'll find the answer to this on the next pages ...

*\*Sometimes this even results in new products or processes with which customers can extend their competitive edge even further.*



Versatile technologies enable high-performance machine systems that create competitive advantages and superiority in the marketplace

Great flexibility due to easily adaptable solutions

Sustainable production through resource-saving manufacturing



## Chemical industry

For example: polymers, additives, compounds, carbon, ABS, WPC and many more.



## Building materials

For example: sand, mortar, cement, plasters, lime, abrasives and much more.







We know your product. If we don't know it, we'd love to know it!

Flexible handling of variable batch sizes

250 screen hole sizes in stock for cleaning, fractionation and sorting



Solutions for agriculture & industry

# THE PRODUCT AS A CHALLENGE

Whether it's muesli, pizza seasoning mix, cosmetic powder, or thermally conductive plastic granules – what matters is the desired outcome and the processing route to achieve the best possible result.

Each product to be processed has individual characteristics, consistencies and special features and thus places very different demands on us, the machine solution to be developed and the specific end product. These are challenges that we gladly face and accept as a task.

The customer's product defines the technology, specific procedures, processes, plant dimension and machine shape. Therefore, the more complex and elaborate the cleaning and mixing processes to be handles, the more precisely we need to plan and coordinate the respective processing steps and machine technologies. Here you can rely on our expertise and advice from the very beginning.







# WELCOME

## We say hello ...

Get in touch with us, no matter where!

Meet us at trade fairs, exhibitions, online or live on site in Nieheim: We always welcome you and are always ready to listen to your questions and requests. We are looking forward to meeting you.



# 1,750

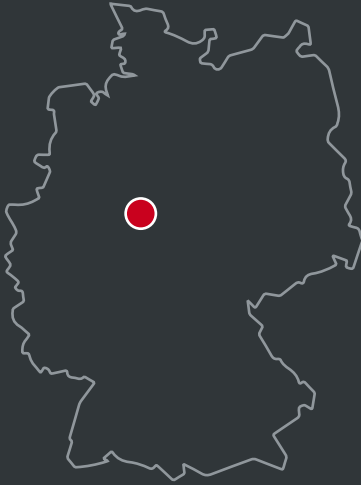
customers worldwide and from all areas of agribusiness and industry are served by us with adept expertise and industry knowledge. Maybe you will soon be one of them?





RUBERG is looking forward to meeting you

# WELCOME TO NIEHEIM!



The way to us leads you to the north-eastern part of North Rhine-Westphalia. Here we invite you to get to know us and our modern company. We want to offer customers who entrust us with their tasks maximum transparency in our process flow, create trust and offer insights into the 5,000 m<sup>2</sup> development environment in which the technology solutions of tomorrow are created. A friendly team of consultants will support you from the first idea to project completion through all process phases and let you participate in planning and development steps. For example, practical mixing, cleaning and separation tests are carried out in our in-house technology centre, but also with mobile test machines, which we are happy to leave with you for your on-site development processes.

RUBERG is a family-run business with 65 employees and an open, creative atmosphere. We attach great importance to personal interaction, friendly cooperation and meeting at eye level – not only with our customers, but also with partners, suppliers and employees. At the same time, we set ourselves high standards in terms of safety and quality.

As an apprenticeship employer, we ensure that we have the necessary next generation of qualified specialists within our own ranks, invest in the development of new technologies, constantly optimize our resource management for even greater sustainability, and are already thinking about the tasks of the future.

*“Developing future-oriented solutions with customers is just one of the challenges we are happy to take on. And we’ve been doing it for more than 170 years.”*

*Alhard Ruberg / Managing Director*



Precise control in all processes –  
transparent and traceable  
handling of all project phases

Individual support, planning  
and execution

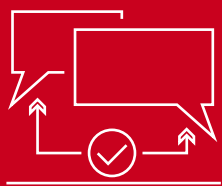
Customer involvement – developing  
and testing ideas in our in-house  
technology centre







# DEVELOPMENT



Communication  
& Exploration



Request  
& Analysis



Test Trials  
& Review



Negotiation  
& Contract



Efficient development processes

# FROM THE IDEA TO THE FINISHED MACHINE

At the beginning of a machine solution from RUBERG is always the task set by the customer. – And to understand the task precisely, we listen to you very carefully and pay close attention to product requirements, processes, customer environment and competition. It is important for us to fully understand the processes in his field of activity in order to develop ideas on the basis of this knowledge and to manufacture customized solutions. This is done, of course, taking into account all food/hygiene regulations and safety aspects – both in the solution finding as well as in the realization.



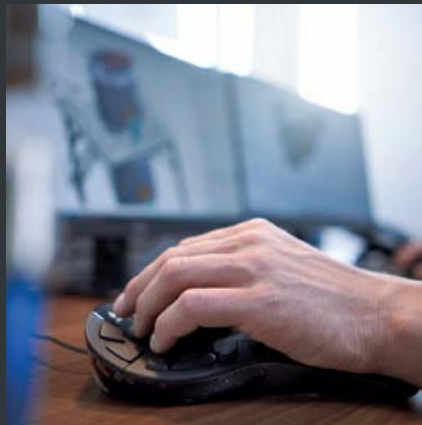
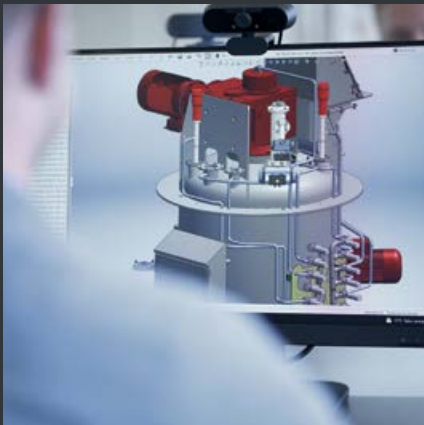
Highest (end product) quality through state-of-the-art production

Long service life and low operating costs of the developed and built machines and plants

Guaranteed delivery dates and accompanying support

RUBERG accompanies its customers from the first contact, exploratory talks, the idea phase, through planning, development and production, to logistical tasks, post-delivery support and installation\*. Cooperation with our clients is always characterized by a trusting relationship, high flexibility and sound consulting competence.

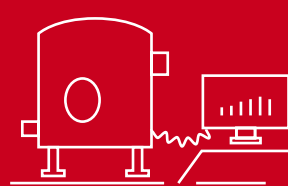
*\*Even after the installation we remain your contact. Read more about service and maintenance starting on page 20 ...*



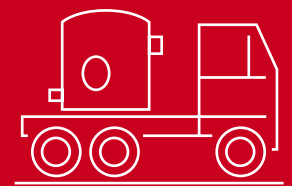
**Development  
& Construction**



**Production  
& Manufacturing**



**Test Run  
& Optimization**



**Delivery, Assembly  
& Commissioning**



## Technology Centre & Laboratory

- Analyses of the mixing and sieving tests carried out in the Technology Centre in the associated laboratory according to requirements
- Screening of different product samples from the agricultural sector
- Complete commissioning of the customer's machines under production-like conditions including training of the operating personnel in the technology centre
- Mixing tests with different mixing methods and production volumes in batch or continuous process with the introduction of liquids / flavours using existing dosing equipment
- Realization of complex mixing processes via heating and cooling processes in the mixer jacket





We create solutions

# PLANNING, DEVELOPMENT & SIMULATION

Once customer requirements and the desired end product have been evaluated by us, the first realization step in the design department follows after brainstorming and coordination. On the screen, the technology and functional characteristics of the machine equipment are developed in the 3D computer model, simulated and, depending on the customer's requirements, formal and spatial aspects are determined. On the basis of these drawings and computer models, the final data is transferred to production after renewed testing – by the customer, among others.

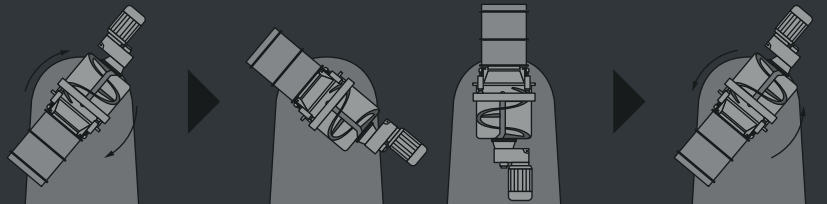
The heart of the planning and development service is the RUBERG Technology Centre with an attached laboratory. The link between product development and production allows us to conduct practical mixing, cleaning and separation tests on 350 m<sup>3</sup>. Here, processes are optimized for production and process parameters are determined for the planning and development of customer plants. This means more certainty in planning before final construction.



Team of experts (RUBERG engineers and technicians) develops product solutions

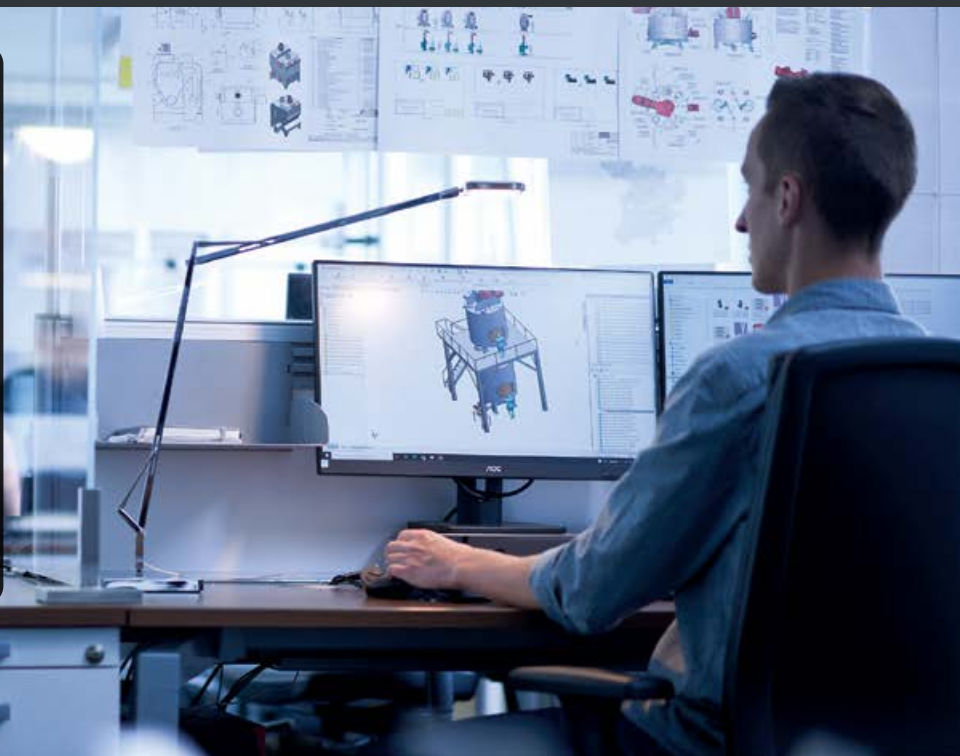
Continuous process optimization and quality inspection

Use of leading technologies for more production capacity and efficiency

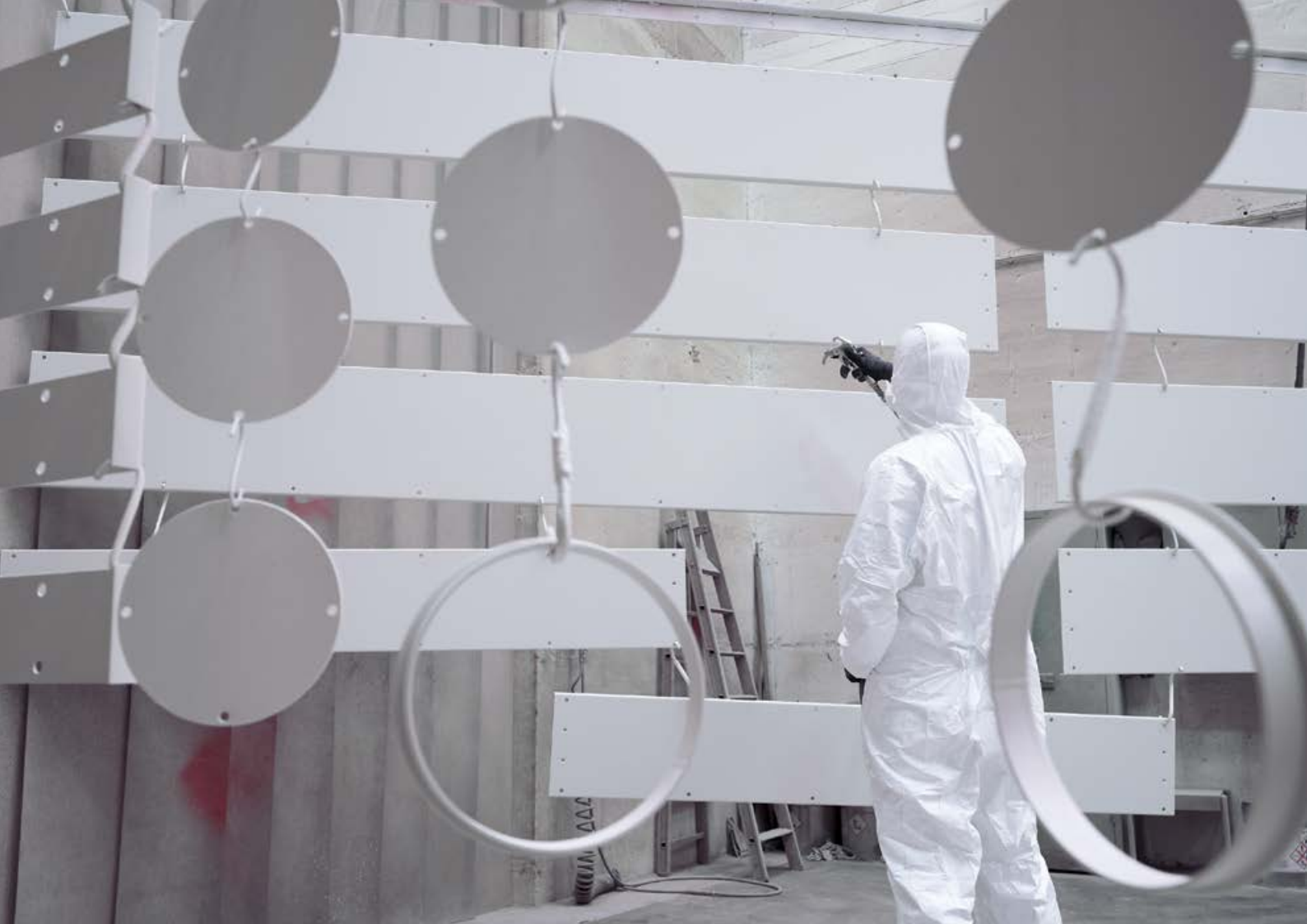


## Project planning, analysis and construction

- 3D designs for production-relevant drawing derivation in 2D for production
- Direct 3D design data processing in our manufacturing machines
- 2D designs for the efficient production of sheet metal and bent parts
- 2D diagrams for the representation of material flows in complex production plants
- 3D exploded views for comprehensible assembly/documentation











Development processes

# PRODUCTION AND MECHANICAL ENGINEERING



Outstanding performance,  
flexibility and cost efficiency

High plant, production and  
end product safety

Highest food safety through compliance  
with high safety standards and measures  
as well as the latest hygiene regulations

We have a large, extensive stock of materials and can manufacture many orders from inventory without dependencies. In our state-of-the-art production halls, we produce all machine components and plant parts step by step and with separate dirty/clean partition. Here, professionals cut, burn, drill, mill, extrude, weld, shape and paint customer solutions from the mixer and grain sector with precision and the utmost care.



## Modern machinery

- Fully automated sheet metal processing centre with connected storage system
- CNC machining
- Surface processing machines for flat and round container processing
- 5-axis waterjet cutting centre up to 160 mm material thickness



Insights into work processes

# PRODUCTION AND MECHANICAL ENGINEERING

# PRECISION





# ON WORK



Insights into work processes

# PRODUCTION AND MECHANICAL ENGINEERING

## 4.000 m<sup>2</sup> production area

Take a look around ...

Our state-of-the-art production halls are specially designed for the efficient processing of materials, the creation of components and the production of machines, even when designed in special sizes. In some cases, the halls have fully automated process structures (for example, in the materials warehouse or waterjet cutting centre).

Notwithstanding modern technology and automation, you will encounter our most important productive power at every turn – our dedicated employees!











Flexibility, reliability and controllable hygiene

● High performance for excellent mixed goods

● Variable batch sizes and multiple processes



Mix with

## PRECISION ...

From the very beginning, mixing machines have been part of our manufacturing programme. Today, RUBERG produces state-of-the-art mixing plants that meet the increased requirements for performance, flexibility and hygiene. Example: Where gentle mixing with maximum mixing accuracy and short cycle times is required, our high-performance vertical mixing systems are used as vertical (useful volume 5 to 100,000 litres) and horizontal series.



### Mixer types

**Vertical mixers:** Precision, reactor, drum, container, laboratory batch mixers, conical ribbon mixers and mixing silos

**Horizontal mixers:** Continuous flow mixers for a capacity range from 0.5 to 750 m<sup>3</sup>/h





Performance and flexibility in use

Usability also for foreign products (sorting sieve)

Over 250 sieve hole sizes in stock

## Cleaning with **CARE ...**

Cleaning machines with wind or as a combination of wind and sieves ensure pure, high-quality and marketable end products in the food and feed sector. They perform the tasks of cleaning, fractionation and sorting for all common cereals, legumes, corn, pulses, seeds and special crops.

The RUBERG manufacturing program currently includes two series of cleaning machines: the RV and RVS series aspirators and the RUV series universal pre-cleaners.



### Cleaning series

#### **RV and RVS aspirators:**

15 different capacity sizes in various design variants from 40 t/h to 300 t/h heavy grain with sieve surfaces of 9.0 - 84.0 m<sup>2</sup>

#### **Universal pre-cleaner:**

4 different capacity sizes in various design variants from 100 t/h to 600 t/h of heavy grain with screen areas of 4.5 - 28.0 m<sup>2</sup>





Commitment and personal involvement on site are real RUBERG strengths in the area of service and maintenance. Our high-performance service applies not only to new machines, but also to all RUBERG systems that have been in operation for many years. Here we provide fast, uncomplicated help and take care of smooth processes.



# SERVICE & M



Beyond the product

# SERVICE AND MAINTENANCE



After installation, assembly and commissioning of new machines, RUBERG remains the permanent contact for questions and concerns of its customers. Of course, we also support you during the operation of the plant and help you with spare parts, repairs, service and maintenance.



Commissioning under production-like conditions, including training

Comprehensive support – customer service for maximum availability

Worldwide service and support



# MAINTENANCE





We maintain a dialogue with our national and international customers via all modern communication channels. Video call talks, informative discussions at trade fairs and exhibitions or personal consultations live on site – the constant contact across national borders between our project teams and you as the customer enables maximum transparency in the planning and processing of orders.



*"We want to work with every customer from every country in the world as if they were based in the neighbouring town."*

*Alhard Ruberg / Managing Director*

# GLOBAL & NETWORKED





Once around the globe

# WORLDWIDE ACTION RADIUS



Contact person in  
over 90 countries

RUBERG's export share  
is over 60%

Lively exchange at  
international level

RUBERG has achieved internationally recognized expertise through cooperation with well-known food and industrial product manufacturers. Customers in over 90 countries operate plants "made by RUBERG" and rely on our experience in dealing with country-specific requirements. Baking and cleaning agents, spice mixtures or pet food – all over the world you come across products that have been manufactured or refined with our machines.





## Change of generations

Past – Present – Future

Leading a company in the 6th generation entails great responsibility. I am happy to take on this challenge with my team, as I would like to combine the past, the present and the future.

Over the course of more than 150 years, RUBERG's fundamental principles have been instrumental in shaping the character of the company. By leveraging the technical and digital possibilities of the modern age, we are driving forward the development of our future-oriented service portfolio.



Janinas Ruberg,  
Human Resources Manager

Future direction

# POSITIONS AND GOALS

To forge its path into the future, RUBERG has always relied on the principles of fairness, responsibility and partnership – a sustainable model of success that is now continued with great commitment and care in the 6th generation. Janina and Marc Ruberg have taken up the challenge in the field of mechanical engineering with their experienced team at the state-of-the-art production site in Nieheim. Their clear goal: Progress, further development and healthy growth - designed for long-term success rather than short-term sales records.







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