

# GET TO MARKET SMARTER AND GET TO MARKET FASTER!



Eleven like-minded companies, with decades of combined experience giving you simple and streamlined access to the very latest industry has to offer, in terms of raw materials, formulation, processing, filling, transporting, sterilizing, loading, packaging and palletising... all of which can be tailored, developed, scaled and installed to match your precise needs.


ALL THROUGH  
A SINGLE POINT OF CONTACT!

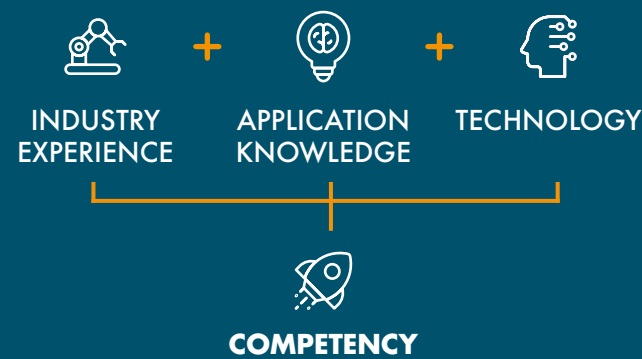
OUR PETS EAT AS WELL AS WE DO.

  
**840**  
million dogs and cats kept  
as pets globally

  
**\$102 BN**  
Global revenue in 2021 predicted to be

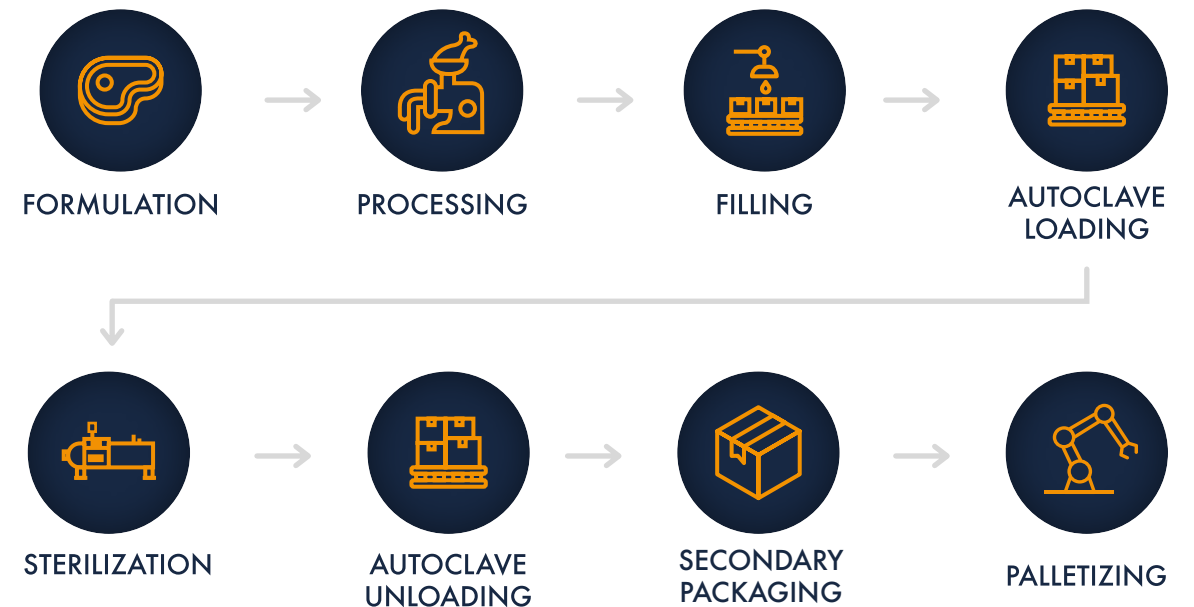
  
**4.11%**  
CAGR (2021-2025)

  
Volume growth of  
**2.8%**  
in 2022



# MANUFACTURED MACHINES, EQUIPMENT, SERVICES, PRODUCTS.

## WET



## DRY





## COMPANY INFORMATION

Headquartered in Graz, Austria, ANDRITZ is an international technology group and a leading global supplier of plants, equipment, and services for a wide variety of industries.

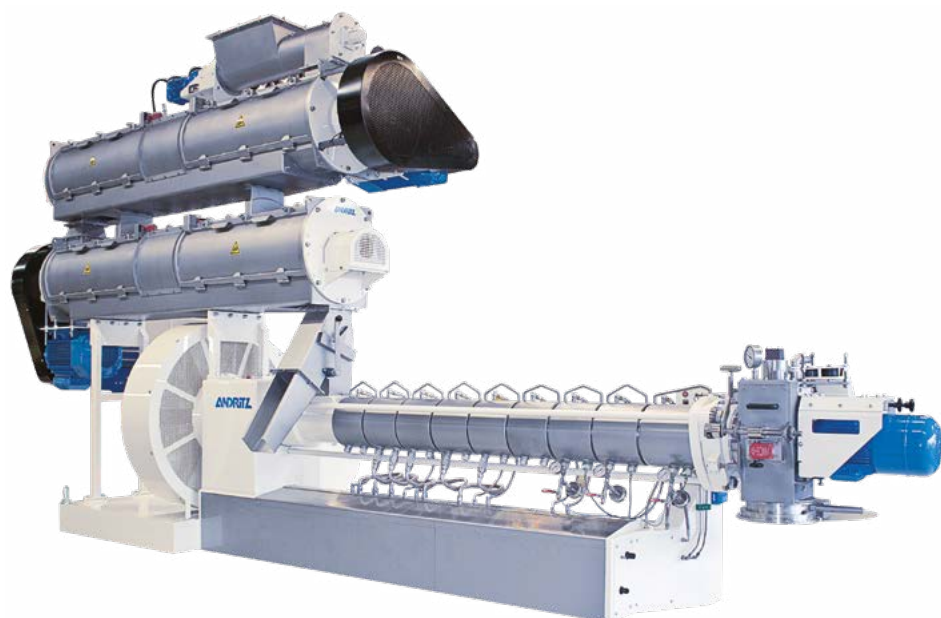
With over 280 production sites and service /sales companies and 27,232 employees worldwide, ANDRITZ offers more than 180 years of industry experience.

For the pet food industry, ANDRITZ offers a full range of processing machines and equipment – from raw material intake to finished feed bagging – as single units or complete plant solutions.

The individual process machines offered are selected from the standardized and proven range of ANDRITZ product families.

ANDRITZ is the perfect partner for the design, engineering, supply, and construction of your pet food process line and offers upgrades for existing facilities

*Pet Food Processors who choose ANDRITZ realize greater opportunities*



and solutions for greenfield plants, which are handled either in cooperation with regional suppliers and contractors or as turnkey solutions.

The company's experienced project managers, process engineers, and experts from specialized functions ensure that the performance will meet your expectations.

The company focuses on providing optimum pet food quality at the lowest possible operating costs and with specific attention to:

- Precise feed composition
- Highly consistent pet food pellet quality regarding size, shape, surface, colour, and density
- Pet food pellets with a high rate of absorption and retention of liquid fat and digest ingredients
- Consistent and uniform pellet dryness
- Processing with careful attention to retention of essential nutrients
- Optimization of energy consumption

## KEY MACHINERY AND PROCESS PLANT

- **Hammer mills:** for grinding, shredding, and fluffing.
- **Weighing systems:** for precise and fast weighing.
- **Single and twin-screw extruders with preconditioning:** for the production of high-quality extruded aqua feed pellets. Combi-zone dryer: optimum drying of the extruded feed pellet.
- **Paddle mixers:** fast and efficient mixing. **Cooler:** prevent pellet decay and prep for storage.
- **Vacuum coater:** add up to 15 individual liquids.
- **Pocket feeder:** steady and uniform supply of material for the hammer mill.
- **Automation and process control:** highly advanced automated control systems for single machines and complete plants.
- **Air density separator:** separate denser materials from the grinding stream of the hammer mill.
- **Rotary feed dressers:** ensure proper cleaning and dressing of dry-mash feeds and soft feed ingredients.



## A FULL-SERVICE OFFERING

1. Full product and service portfolio
2. Feasibility studies
3. Due diligence studies
4. Pre engineering and rough design
5. Detailed engineering
6. Project management
7. Project supervision and installation
8. Plant automation and controls
9. Process operator training
10. Full documentation
11. Technical competencies and access to experts to support you.
12. Extensive global aftermarket service

[www.andritz.com/feed-and-biofuel-en](http://www.andritz.com/feed-and-biofuel-en)  
[andritz-fb.dk@andritz.com](mailto:andritz-fb.dk@andritz.com)



## COMPANY INFORMATION

Established in 1981, Cama Group is a rapidly growing and leading supplier of advanced technology end-of-line packaging machines and robots.

Continuously investing in innovative solutions, the Cama Group offers completely integrated packaging lines, from primary packages up to final packaging ready for palletizing, serving industries including food (bakery, confectionery, coffee, ice cream, dairy, ready meals, grocery & pet food) and non-food (personal, health & home care).

The Group has six subsidiaries around the world (U.S, China, Australia, France, UK and Northern Europe) and invests more than 5% of its annual turnover into R&D, including the development of class leading Industry 4.0 solutions, which include process virtualisation, engineering and machine commissioning.

Cama is in the perfect position to help pet food companies – both large and small – to realise greater efficiencies through the automation of packaging operations.

*Multiple food styles, portions and formulations require ultimate flexibility from secondary packaging machinery*

Supporting the industry for over 15 year, Cama has helped many companies across the globe absorb the impact of changing market dynamics, including the natural progression of packaging – starting with cans, onto trays, into pouches and back to cans again.

It has also addressed the multi-flavour issue thanks to tightly integrated and highly flexible automation infrastructures and in-house-develop robotic pick-and-place systems.

The pet food industry is always laying down packaging challenges that centre around the need for flexibility coupled to efficiency.

Cama has a unique portfolio of technologies that covers the breadth of packaging concepts and packaging formats.

Thanks to this spread, it can offer best-fit solutions, rather than a compromise based on a limited offering. In fact, in many cases, Cama can suggest two or three packaging concepts and then work with the customer to define the strategy and technology that fits their needs precisely.



## NEXT-GENERATION TECHNOLOGY

From a technology perspective, Cama's Breakthrough Generation (BTG) solutions are setting the standard in secondary packaging.

The BTG approach comprises modular, scalable frameworks that offer easy entry and access, coupled to a hygienic machine design.

Within this framework, contemporary automation solutions, including advanced rotary and linear servo technology, can be tightly coupled to in-house-developed robotics, to deliver the all-important flexibility and adaptability required by modern packaging operations.

BTG machines are also based on a digital platform that supports full industry 4.0 capabilities, including AR, VR and virtual testing, training and operation. Even those with older machines, can benefit, as Cama's AR capabilities feed off the original 3D CAD data, which lives on its design servers.



## PACKAGING SYSTEMS FOR THE PET FOOD INDUSTRY

Flexline for forming + top-loading delta robot unit + closing machines for multi flavour solutions

Wrap Around for single-flavour solutions  
Cartoning for sideloading of single and multi-flavour.



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## COMPANY INFORMATION

Established in 1987, Cleverttech Group is headquartered at Cadelbosco di Sopra, in the Reggio Emilia province in Italy and is supported globally by other operations in North America, China, France, UK, and South Asia.

This year, the company is inaugurating a new plant in Italy, which will take the total plant size up to 29,000m<sup>2</sup>, and will provide a new logistic and quality control area.

Cleverttech's experience makes it an ideal partner for the design of integrated solutions for front and end of line; with a range of solutions that covers the food & beverage, home care, wine & spirits, pet-food and personal-care markets, where it meets the requirements of all major manufacturers of consumer goods.

The systems developed by Cleverttech Group can manage a broad range of packaging concepts, including PET bottles, pouches, full, bulk cans, ends, cases, and secondary packaging.

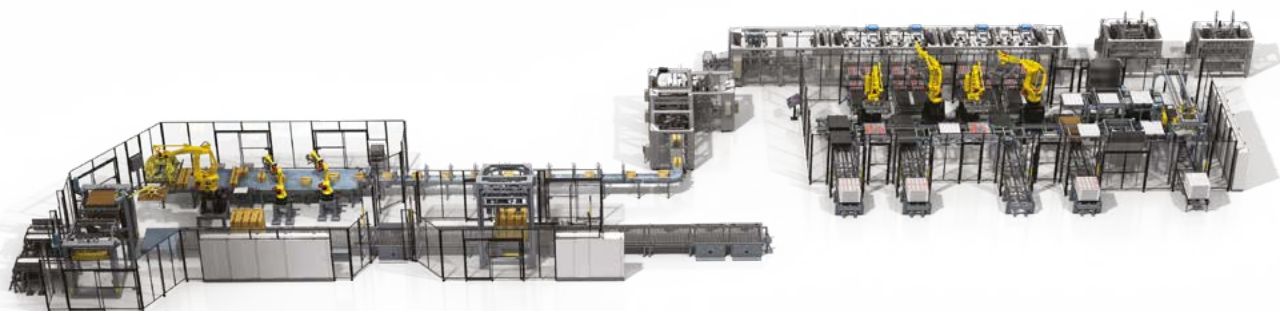
*The company also designs and produces automated robots and shuttle systems for feeding autoclaves for the loading and unloading of basket used for pasteurization.*

Cleverttech's focus on customer results is supported by its mechanical, electrical and software modularity, coupled to high application customization, including fully integrated upstream and downstream solutions, e-commerce solutions, single-layer palletizers, small-footprint technology and half & quarter pallets.

Based on Industry 4.0 concepts, all machines can be provided with digital documentation, a spare parts app, customized videos, diagnostics by area & by device and preventive maintenance routines.

The holistic approach makes Cleverttech a single supplier that produces a full end-of-line solutions that are fully integrated in terms of interface, electric design, safety design, software pack ML design, programming and TPM design.

The holistic approach comprises integrated solutions for front and end of line (EOL), and includes palletizers, product conveyors, labelling machines, stretch wrapping machines, strapping systems, pallet conveyors and data-tracing system.

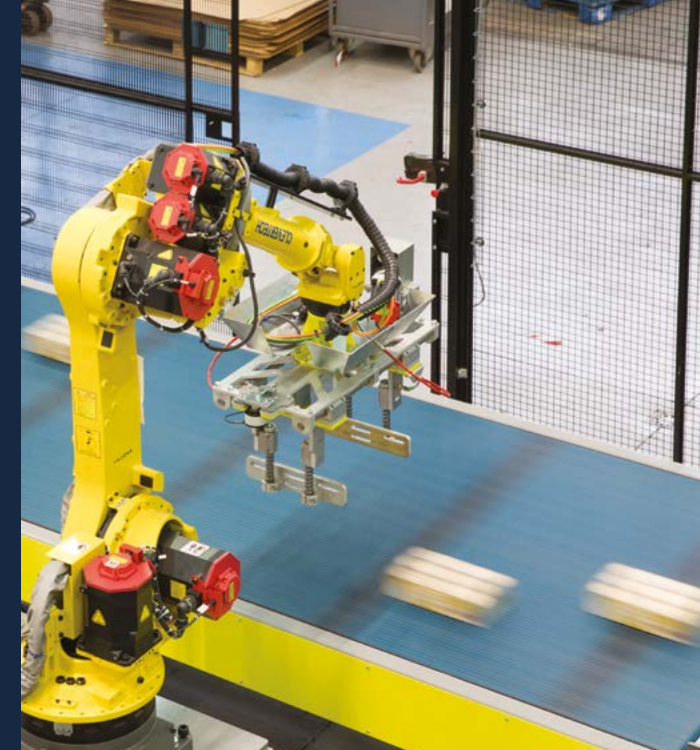


## RECENT SUCCESSES SHOWCASE CAPABILITIES

Over the last two years Cleverttech has installed and commissioned several solutions for multinational and market leaders in the pet food industry.

The systems installed included basket/tray loading-unloading, bulk palletization, bulk depalletization and palletization, pallet stretch wrapper application. All units are designed for autonomous operation without any human operator intervention.

Cleverttech also specializes in production of pet food packaging systems for pouches, including depalletisers and complete end-of-line palletization systems. Several applications were developed for multi-flavour packaging.



## ECO VADIS BRONZE MEDAL FOR SUSTAINABILITY

The assessment considers the company's sustainability performance in four areas: Environment, Labour & Human Rights, Ethics and Sustainable Procurement.

The analysis shows that Cleverttech's performance is better than the average of companies operating in the same sector. This therefore constitutes grounds for further confidence for customers, and for those who contact the company for the first time.





## COMPANY INFORMATION

FTNON is a business unit of John Bean Technologies Corporation (JBT), a leading global technology solutions provider to high-value segments of the food processing and air transportation industries.

With more than 50 years of experience, JBT-FTNON is a well-known brand. With a global coverage (both sales and customer care) it can serve customers in all kinds of ways, with local presence and local build.

### JBT FTNON equipment and process solutions are based on:

- In-depth knowledge of the challenges food processing companies face
- A strong in-house project and engineering team developing turnkey solutions
- High-end manufacturing and assembly of production lines and stand-alone machines for food processing
- Proven R&D with patented robotics and process technologies

*"It all leads to the optimal condition of the end product."*

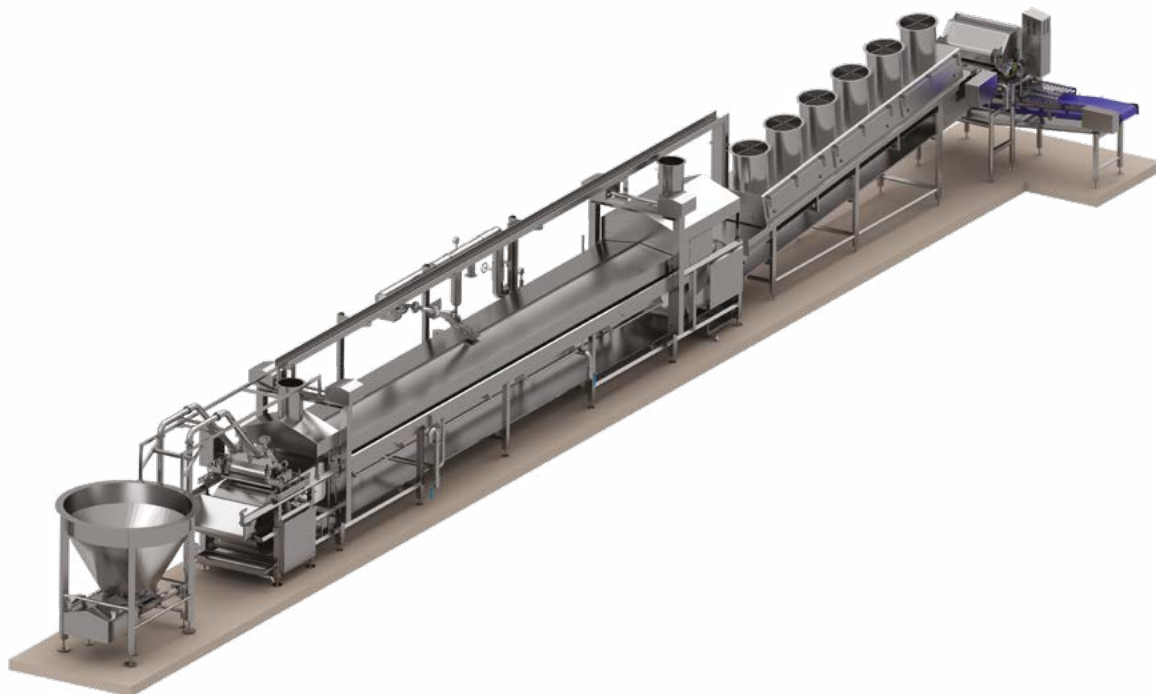
### Pet Food Technology

Over 50 years JBT-FTNON has built up vast experience in the field of wet pet food technology.

With a wide range of installations, its systems have been used very satisfactorily by many leading pet food manufacturers worldwide.

Thanks to its advanced pet food technology its customers have improved efficiency and optimized the quality of their products.

JBT-FTNON offers the most economical and effective way of processing, through steam technology. In combination with meat preparation, mixers, emulsifiers, breakers, hoppers, extruders and color injection, FTNON is the high-end partner in the industry.



## PETFOOD PRODUCT PROCESSING PORTFOLIO

### Product hoppers with pump systems

- 1 or 2 mono pumps (depending on color and recipes)
- Open system with easy cleaning method

### Color dosing systems

- Direct injection
- Fluent integration in total line

### Extruding

- Open hopper or pressure head
- Frequency controlled and custom-made dies
- Easy access for cleaning and maintenance
- Automatic lubrication system

### Steaming

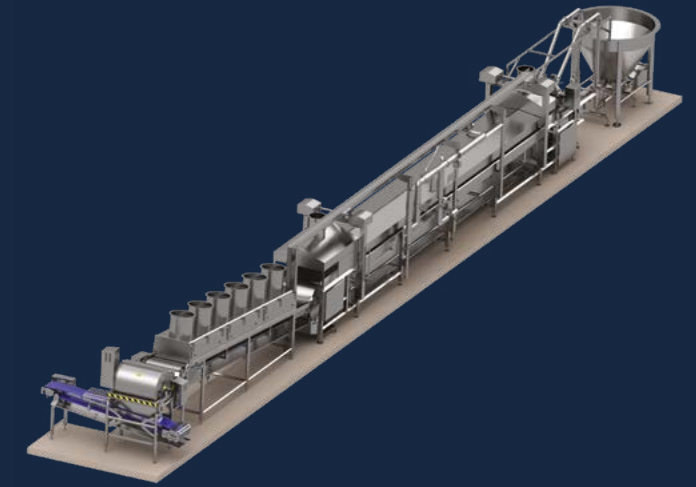
- Steam tunnels with stainless steel belt
- Steam tunnels with Teflon coated Kevlar belt
- Steam tunnels, type DCC

### Cooling tunnels

- Closed systems
- Open systems
- Different kind of ventilators (f.e. SS304 executions)

### Cutting units

- Regular and Irregular chunks
- Angle of from 0 to 45°.
- Up to 10 exchangeable cutting knives
- Easy access for cleaning and maintenance



## WHATEVER YOUR NEED, JBT PROVIDES THE SOLUTION

Pet owners want the very best for their furry friends and JBT delivers.

Our experience in designing, manufacturing, and installing processing lines for moist wet pet food is second to none.

### JBT has a solution for your Pet Food production needs.

- Preparing
- Steaming
- Cooling
- Cutting
- Filling and closing
- Pasteurizers & Sterilizers
- High Pressure Processing
- Sealing solutions
- Total solution integrator

### Main Benefits of our systems

- Highly efficient systems
- Low utilities consumptions
- Improved and constant product quality
- Customized solutions

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## COMPANY INFORMATION

Our knowledge is working for you: Take benefit from the collective scientific knowledge, global innovation networks, industry experience, and market and regulatory expertise across the JRS group.

Our application experts collaborate with your product developers; our product managers share consumer insights with your marketing staff; our sustainability experts share information and ideas with yours to reduce impacts.

Much of our success can be attributed to an exceptional infrastructure employing industry experts and outstanding processes and procedures.

### Technical Support:

JRS technical service personnel find solutions to customers' complex scientific problems, clarify customer opportunity areas as they emerge, and respond rapidly when technical issues arise.

### Product Development:

JRS excels because of its fully outfitted commercial pet food lab that allows "real world" product testing.

### Quality Assurance:

JRS supports its products with advanced quality assurance that runs from sales and customer service through manufacturing to transportation and delivery.

### Laboratory Services:

In addition to assuring that products are made to precise specifications, in-house laboratories at all manufacturing locations provide research capabilities to assist with customer product development efforts.

### Customer Service:

Our most important mission is to provide complete customer satisfaction. We know that we will be judged as a company not just by our products and services, but also by our organizational performance and responsiveness to customer needs.

*The value we offer you goes far beyond supplying high quality fiber ingredients*



## INNOVATIVE DIETARY FIBER INGREDIENTS

### Longstanding expertise in fibers

At JRS, we've been making high-quality fiber ingredients for humans and pets for more than 60 years.

### All natural and sustainable

JRS sources exclusively from approved raw material suppliers with sustainability initiatives and environmental policies that include sustainable forest management and efforts to use fewer resources.

### Function meets nutrition

JRS understands how to bring out the best qualities from each plant and offers a comprehensive product range with various types of plant-based dietary fibers.

### Proven dietary fibers for pet health and well-being

JRS develops and produces fibers that support the well-being of pets. Clinical studies prove that our fiber-based solutions work more effectively than many other traditional fiber sources.

### Your edge is our goal

JRS has strengthened its position as one of the top innovators in fiber-based ingredients for the global pet food industry. We use state-of-the-art technologies to precisely meet your needs for ingredient optimization.



## A SERVICE BEYOND TODAY

At JRS we truly believe that we need to fully understand the value of our products for customers and pets around the world. Our Technical Competence Center can run comprehensive testing on current future customer products.

Beyond that, we have established a place where new or current customers can convert innovative ideas and technologies into products without the limitations of current production. For more than 60 years, JRS is a strong partner for the pet food industry.

This long-term relationship has formed our philosophy around customer satisfaction and health."

**Torsten Trampe, Head of Technical Application.**

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## COMPANY INFORMATION

For more than 70 years, KARL SCHNELL has been synonymous worldwide for innovative products from Germany.

The basis of all our work is a cooperation in partnership. This ensures that customer requirements can be combined optimally with KARL SCHNELL's technical and technological expertise. All machines and plants are subject to constant adaptation to new specific challenges of a hygienic, product-, process- and quality-related nature.

The product portfolio is almost completely developed, designed and built in-house. It ranges from machines for raw material intake, through mincing and fine emulsifying solutions, to filling systems. In addition, we use our knowledge and the technology transfer from the other areas of food processing for the diverse applications in the petfood sector.

Complex systems are created from individual machines - depending on the task at hand - that can process and manufacture a wide variety of products.

Due to the high level of vertical integration, KARL SCHNELL ensures production, independent of the market.

### Flexibility meets technology

KARL SCHNELL employs around 300 men and women in the two plants in Germany and the subsidiaries in France, the USA, Russia and Romania. They are distinguished by their above-average qualifications and their commitment.

As an ISO 9001 certified company, increasing the efficiency and longevity of our machines and systems is our top priority. With modern products and our innovative process solutions, we support our customers in working more resource-efficiently and achieving their own sustainability goals.

KS benefits from its international positioning: the countries in which our company is represented already cover a large part of the global economic output.

So far, our specialists have installed thousands of integrated systems for a clientele that includes both small companies and global corporations that are active in a wide range of industries, including the fast-growing pet food industry. We focus our innovative strength on "Quality is our passion!".

We see considerable economic opportunities in holistic, intelligent solutions. Because they require not less, but more technology

## CUSTOMIZED SOLUTIONS FOR A VARIETY OF APPLICATIONS!

KARL SCHNELL can supply systems in the appropriately designed size for manufacturers of any production volume.

Individual wishes, special space requirements, etc. are taken into account thanks to our high flexibility.

Every customer gets a tailor-made solution!

Pet food is usually produced in large quantities. Nowadays there is also a trend towards smaller production quantities with rapidly changing recipes. Our customers can also rely on the particularly robust and reliable machine park from KARL SCHNELL for these complex applications.

Our know-how and experience supports our customers not only with technical solutions, but also with technological assistance to optimise their processes.

KARL SCHNELL offers turnkey solutions for all areas of wet petfood production:

- Pâté & Chunks / Chunks-in-loaf CIL
- Chunks-in-gravy CIG / Chunks-in-Jelly CIJ
- A unique emulsifying solution for meat addition to the dry food process.



## TAILOR-MADE TO YOUR NEEDS

### Solution for Pâté & Chunks (OFM or natural):

Our product range covers pre-mincing, recipe dosing & mixing through to emulsifying. We supply formed-meat-chunk OFM systems, including emulsification, and pâté systems, including or excluding emulsification.

### Solution for CIG / CIJ:

These lines provide a very high level of product quality together with reliable and cost-effective operation, coupled to solid construction, long lasting high performance and low maintenance costs.

### Solution for dry petfood:

Fully automatic mincing systems produce the finest emulsions from almost any starting material. Afterwards, the fine and homogeneous emulsions are delivered for subsequent treatment in the dry pet food process.







## COMPANY INFORMATION

MIAVIT GmbH is a family-owned company, founded in 1964, and now already operating in the 3rd generation. The name MIAVIT is an abbreviation for all important minerals, amino acids and vitamins that are contained in our pre-mixtures.

As a competent partner in the field of technological and nutritional feed additives, MIAVIT offers a high-quality and diverse range of products - in powdered form, in pastes, liquids and tablets as well as extensive service and support.

The MIAVIT pet food solutions cover

### Premixes

Customized and easy to handle premixes of vitamins, minerals or functional ingredients for dry and wet pet food to create nutritional balanced complete feed.

### Category 3 blends

Blends, containing dry animal by-products derived from category 3 material, being produced on a dedicated mixing line, which is completely separated from other production lines, providing our customers more freedom and flexibility with regards to storage and dosing capacity at their production facilities.

*No compromises, but only investments in quality!*

### Gelling & thickening agents

Highly functional tailor-made blends of gelling agents and thickeners based on carrageenan, locust bean gum or cassia and even complete compounds, including very effective palatability enhancers for all different kinds of wet pet food like chunks in gravy/jelly, pâté or all meat products.

### Antioxidants

Very effective liquid and powder formulations, containing natural and/or synthetic antioxidants like tocopherol and rosemary extracts, BHA, BHT, propyl gallate as well as chelators to protect feed materials and final feed from oxidative changes.

### Private label supplements

Tailor-made complementary feed and special supplements in different application forms like powder, tablets, liquids or pastes.

### Preservatives

Customized solutions for long-lasting microbiological product stability, especially for prone semi-moist products, treats and snacks.

### Raw materials

Our customers can benefit from our diverse portfolio of feed additives and functional ingredients, giving the opportunity to take advantage of our one-stop-service.

## MIAVIT IS HIGHLY COMMITTED TO OFFER OPTIMAL SOLUTIONS AND COMPREHENSIVE SUPPORT

With a global team of experts, MIAVIT has three production sites worldwide. Beside the headquarter in Essen (Oldb.) – Germany, MIAVIT produces high-quality products in Spain and Vietnam as well.

- **Sales in over 80 countries**
- **Export quota of over 50%**

MIAVIT's diverse and multidisciplinary team provides full service & support in all fields of the pet food production, including:

- **Technological consultancy** (set-up machinery and production lines)
- **Technical consultancy** (production processes and product applications)
- **Nutritional consultancy** (recipe design, feed formulation, nutritional requirements and physiologies)
- **Feed legislation & declaration**
- **Lab support** (comprehensive incoming goods control, vitamin stability, shelf life studies, evaluation of jelly/gravy product performance)



## GREAT PRODUCTION CAPACITY & FLEXIBILITY

At the headquarter in Essen (Oldb.) Germany, MIAVIT takes up 18 ha with in total 20,000 m<sup>2</sup> production area:

Five powder production facilities, comprising numerous production lines for different powder products, are offering a production capacity of more than 150,000 tons/year.

Besides that, MIAVIT owns further production plants that are dedicated for:

- Liquid production in feed quality
- Liquid and powder production in food quality
- Fluidized bed for encapsulated active ingredients
- Choline chloride production in white & brown quality (only European sourced quality)
- Vitamin E powder production

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## COMPANY INFORMATION

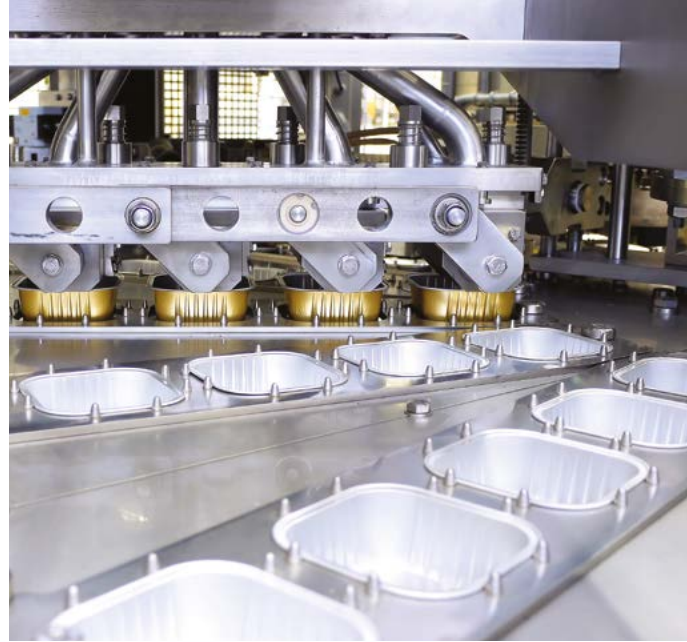
Since its founding in 1908, Waldner has taken giant steps – from the Allgäu region of Germany – out into the world.

From a metalworking company into many diverse industries, including pharmaceuticals, chemicals, research, education, medicine, food, animal nutrition, analytics, automotive, industry and biotech.

The successful transformation into a global technology company is driven by people with strong innovative skills. 1,300 people in our headquarters in Wangen alone.

256 patents and over 110 years of experience is in our DNA. We are currently implementing solutions for more than 10 industries, developing and producing on an area of 65,000 m<sup>2</sup> and generating sales of over €260 million per year.

*Individual solutions for filling technology*



## CAPABILITIES + STANDARDS = QUALITY RESULTS

The development of perfectly coordinated, balanced and appealing animal nutrition is a philosophy in itself today. And tough competition. You know it only too well.

This sector is forever coming up with new creations and looks. Whether jelly, gravy, pieces or dried food, served in plastic, aluminium, pouches or cans: we would be happy to pack your individual ideas in future.

Do you produce pet foods and are looking for innovative dosing, filling or packaging forms? Do you want to set new trends, try out other containers or sealing techniques? Or do you attach particular importance to a longer shelf life and an attractive look? Waldner looks forward to discussing your requirements.

### Waldner offers:

- Processing and hygiene standards focus on the food industry
- The most diverse containers (pouches, plastic, aluminium & cans)
- All consistencies (jelly, gravies, small pieces, dry food, etc.)
- Hot sealing or ultrasonic sealing
- Different seals (sleeve lid, spouts, etc.)

[www.waldner.de](http://www.waldner.de)  
[dosomat@waldner.de](mailto:dosomat@waldner.de)



## FULL-SERVICE CAPABILITIES

### We have

- Rotary machines up to 6 lanes
- Inline machines up to 12 lanes
- End of line packaging

### We fill

- Cups (plastic, alu)
- Pouches (with or without spout)
- Cans
- Glass/ jars

### For products that are

- Chunks, gravy, jelly
- Pâté
- Petfood in loaf

### Capacity

(Depending on the product and Containment)

- Pouches up to 30.000 Pouches/ hour
- Cups up to 30.000 Cups/ hour
- End of line packaging
- Cans up to 48.000 Cans/ hour

### Special features

- Over 70 years of experience
- Various sterilization & cleaning methods (depending on customer/product needs)
- The latest servo technology
- Remote machine servicing





## COMPANY INFORMATION

OPEM has always challenged itself to find innovative solutions to improve the performance and enhance the quality of its systems.

This business philosophy brought OPEM to the highest levels of technology, capable of meeting the production developments the market demands, while maintaining detailed attention to its products.

Continuous demand for new weighing and packaging solutions drove the company to design and develop new systems, and the arrival of pods and capsules in the booming coffee market further boosted the company's growth. Over the years, OPEM has patented many of its solutions, the most recent being the machine for coffee pods in aluminium foil compatible systems (Nespresso Pro®), and the bag with a re-sealable cap application for the petfood, both introduced in 2017.

*Innovation and environmental responsibility: the choices that makes the difference*



In 2014 the company achieved an important milestone – moving to a new 16,700 sqm factory in Parma, located in a large green area, and equipped with research and development laboratories. Thanks to the functional and compact nature of the facility, OPEM has been able to achieve high levels of efficiency and pursue continuous development, making it competitive on the global market.

### Customised solutions

OPEM offers advanced systems for pods in filter paper, systems for capsules, vacuum packaging systems, vertical packaging machines, filling systems for tins and jars as well as special, customised packaging machines.

When designing and developing systems, OPEM works according to each customer's specific needs, offering to make a highly efficient industrial system – a customised solution.

## SAVE THE FRESHNESS OF YOUR PET'S FAVOURITE FOOD

OPEM has a long tradition in packaging systems for dry food of small and medium particle size.

Within its comprehensive choice of well-established machines to package products in a variety of ways, OPEM identified one that it could customize into a specialty machine in order to bring a smarter solution to the dry pet food market: a vertical flexible film pouch packaging machine with application of screw cap under a protective process.

This packaging option is unique in that the cap can be used to open it and re-close it.

Another interesting fact is that this cap can be applied to all the films commonly used in the market today to package powder products. Needless to say, the capped pouch ensures a hermetic seal for longer product preservation. In its design OPEM made sure the cap can also be applied on the new recyclable and compostable materials that will soon be required by law.



## SMART SOLUTIONS FOR DRY PET FOOD MARKET

### Ongoing research

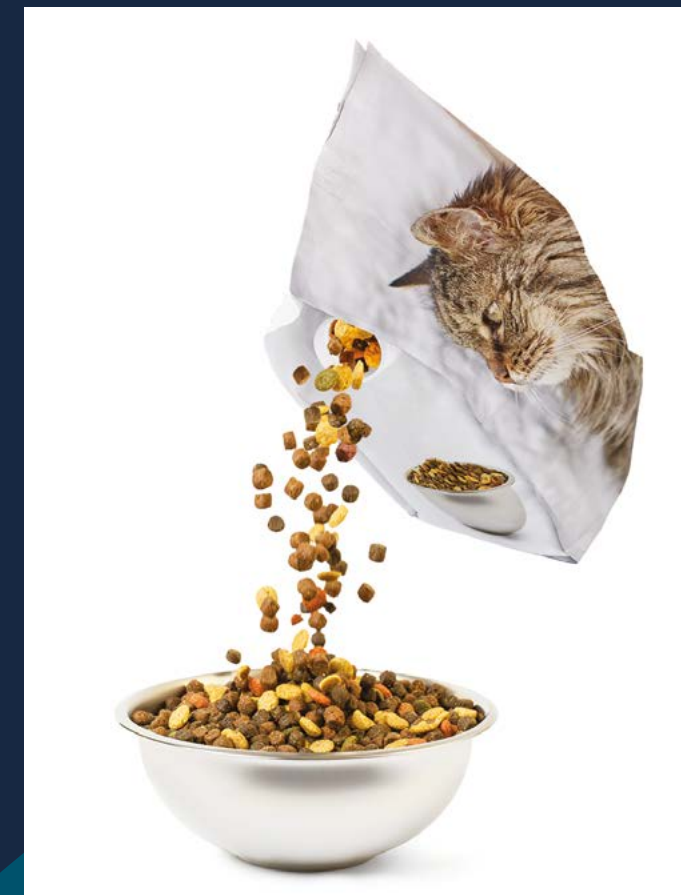
Every day, in a cutting-edge laboratory, research and development experts examine solutions and materials that will be behind the technology of tomorrow.

Every solution can handle compostable and recyclable materials and all the machines are developed with a view to maximising efficiency, since they require very little maintenance.

### Green policy

Green thinking starts with the factory, which is a modern, zero-impact building that uses smart systems to reduce consumption through eco-friendly high-tech features.

Thermal insulation with rainscreen cladding and Low-E windows that minimise heat loss while providing ideal lighting conditions and the best visual comfort; radiant underfloor heating, and a large solar panel roof with a total capacity of more than half a gigawatt, which actually exceeds the facility's energy requirement, allowing OPEM to resell energy.



[www.opem.it](http://www.opem.it)

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## COMPANY INFORMATION

Celebrating its 100<sup>th</sup> year in 2020, FAWEMA is a global market leader in the design and manufacture of bag packaging machines for dry pet foods and cat litter products alongside other key markets in flour, sugar and tea.

FAWEMA is one brand within The Packaging Group, which also includes HDG and Wolf. As a group, The Packaging Group has four manufacturing sites, seven regional offices and more than 400 employees dedicated to one thing: PERFECTION.

The Packaging Group has one of the broadest range of machines for packing pet food products into flexible packs. With over 150 years of combined experience, FAWEMA, HDG and Wolf have the expertise to deliver your packaging machinery needs for all pet foods and treats.

For the petfood industry, we have a dedicated team delivering excellence in primary petfood packaging, with a sharp focus on performance, quality and reliability. We speak your language.

Pet food manufacturers partner with FAWEMA for primary packaging solutions safe in the knowledge that their products and brand will be presented to the market Safely, Sensibly and Sustainably.

*Entrepreneurship, network and expertise for the global packaging market*

FAWEMA achieves this by following four key principles. Discover, Define, Design and Develop.

By following these steps, FAWEMA fully understands the customer's needs, defines the best technology fit, delivers proof of concept, therefore assuring the best quality solution.

FAWEMA will rise to the challenges of tomorrow, designing and developing new technologies and continuing to deliver on its commitment to produce outstanding quality products required for the increasing industry challenges of the 21<sup>st</sup> century.

As a company that has delivered thousands of packing lines across the world, it is a dedicated partner after the delivery of your machine, too. Its efficient after-sales service team will be on hand to help and guide you at all times whenever the need might arise.

With a global presence and a loyal customer base FAWEMA understands the commitment that is needed to keep the machines it builds working long into the future. It will achieve this now and in the future by having a dedicated after sales team on hand to deal with all eventualities.

## FAWEMA TAKES PRIDE IN SUPPLYING HIGH QUALITY SOLUTIONS TO PET FOOD PRODUCERS WORLD-WIDE

FAWEMA delivers the best results for primary packaging for the dry petfood segment for both small- and large-format packs in the range of 500g to 20kg.

These formats can be enhanced with a variety of additional technologies, handling the most complex and demanding bag solutions. Using unique continuous-motion technologies and 'low-touch' changeover, high and sustainable throughputs and efficiencies are easily achieved.

In the TPG group, FAWEMA's leading technologies are complimented with VFFS and HFFS solutions from Wolf and HDG respectively.

We always seek solutions that are kinder to our planet and have the capability to deliver machinery that is not only energy efficient, but also designed to work with the very latest mono-material and recyclable packaging. Everything, Perfectly Packed.



## SMART SOLUTIONS FOR DRY PET FOOD MARKET

From a few grams to 20 kg and beyond, we have a machine for the pack style and size your market demands.

Key to delivering the right machine for the job, is an in-depth knowledge of the market requirements and trends, combined with creating true partnerships with many customers all across the globe. From multinational to family owned, you can be sure of our capability to deliver a tailored solution.

Utilising our local market resources from our locations around the globe, combined with expertise placed in our four manufacturing facilities, you can be sure of the best fit for packaging machinery. We take pride in our after-sales support, offering our customers the personal touch, no matter where they are in the world.

[www.fawema.com](http://www.fawema.com)

[www.the-packaging-group.com](http://www.the-packaging-group.com)

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## COMPANY INFORMATION

Founded 1893, REICH is Germany's oldest name in the field of thermal processing systems for food and is one of the leading providers worldwide.

Our drying, cooking, smoking, baking, cooling and maturing systems have been known for decades for their consistently high processing quality, the best production results and easy handling. It makes no difference whether you would like to process meat, fish, poultry, cheese, veggie products or pet food – REICH's engineers always find the ideal solution for your requirements.

Tradition alone does not make a good systems manufacturer. Rather, it is the foundation on which we base our future corporate development. It is our declared goal to generate added value for our customers and their products and processes through expertise and innovation.

We are a reliable, innovative and dynamic partner for the food industry.

*The philosophy of our products is clear: uncompromising quality paired with the highest possible performance and efficiency. For this, we are willing to learn and improve every day.*

The prerequisite for this is to know the exact requirements for our customer's products and processes. Only with this profound knowledge, intelligent solutions can be developed that actually offer added value every day. We succeed in this through the close cooperation between our engineers and process technologists, who have the exciting task of combining the two worlds of "engineering" and "food processing".

At the same time, we remain open and sensitive to new technologies and are ready to systematically promote our dynamic development of the recent years through further investments.

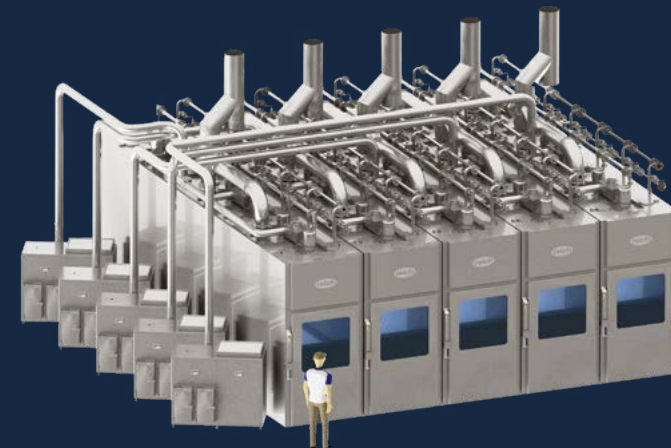
REICH employs around 130 men and women in our headquarters and production facility in Germany and in the subsidiaries in Spain and Russia. We are cooperating globally with sales and service partners and export around 80% of our products to customers on all continents.

## EXPERTS IN PETFOOD DRYING

The demand for pet food, especially for dried snack products and pet reward items, is steadily increasing. The products are diverse and demanding in terms of processing. Efficient drying and proper heat treatment are therefore prerequisites for successful, tasty and sensory-appealing products. Decisive for sustainable solutions are resource-saving processes and economical production. Therefore, not only efficient systems of the highest quality are important, but also advanced concepts for odor destruction and heat recovery. Therefore, more and more customers rely on our know-how and one of our concepts in the production of processed pet food products.

For the pet food industry, REICH can supply different, customized batch ovens in all sizes for drying and baking of various products such as extruded snack sticks, extruded meaty treats or different kinds of meat by-products.

Regardless of whether you want to refine hanging or lying pet food products, we have the right solution for you. With an **AIRMASTER®**, thermal processing and even smoking become a pleasure! Excellent results, high production capacities, maximum flexibility and energy savings are just a few points on a long list of advantages that our **AIRMASTER®** series brings with it.



## TWO CONVINCING CONCEPTS

The **REICH AIRMASTER® UK** has become synonymous with a well-engineered series of systems that meet the highest demands in terms of performance and ease of use. It works with vertical air flow and is designed for hanging products. A permanently further developed air flow system guarantees that the products are treated very homogeneously, with the shortest possible process times and that they only experience the technologically necessary weight losses. The **AIRMASTER® UK** thus sets new standards in terms of cost-effectiveness and guarantees optimum quality standards for the finished products.

The **REICH AIRMASTER® UKQ AIRJET** is the world's best performing cross-flow universal unit. This unique and extremely powerful system works with horizontal air flow and has been designed specifically for lying products on grids or in trays. Even with narrow floor distances and closely packed goods, a uniform air and heat distribution can be achieved with short process times using high loads. Air-dried snacks can be produced consistently on a trolley with up to 38 levels.



[www.reich-germany.de](http://www.reich-germany.de)  
[sales@reich-germany.de](mailto:sales@reich-germany.de)



## NOTE

This image shows a full page of blank white paper with horizontal orange ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings present.



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