coperion

We focus on precision. Defining leadership in process feeding and conveying equipment.



coperion K-TRON

Materials of all kinds are processed the world over to give consumers what they need. Wherever products are manufactured, that is where you will find Coperion K-Tron: in sophisticated solutions for state-of-the-art process equipment. Our innovative know-how comes to life in feeding and pneumatic conveying components as well as in complete material handling systems. Taking commitment to our customers to the next level, we ensure the high performance of our long-lasting products through ultimate customer consulting and support. Our people and our technology drive our reputation as a premium supplier of process equipment across the globe.

We apply over a century of experience and more than 100 patents for mechanical components and control technologies to our feeding and weighing solutions. This experience allows us to tailor our products and services to the needs of various industries. Whether processing bulk material for foods or pharmaceuticals, plastics or chemicals, customers can look to us for everything from system engineering and testing to planning and commissioning as well as training.

Cutting-edge mechanical design and core technologies are the heart of our process equipment and controls. We keep a clear focus on adding value for our customers – even after the sale. With locations distributed around the globe, we take pride in offering on-site support wherever and whenever it is needed. As part of Coperion, our global presence is breaking new ground: we are opening doors to yet another level of opportunity for our customers.





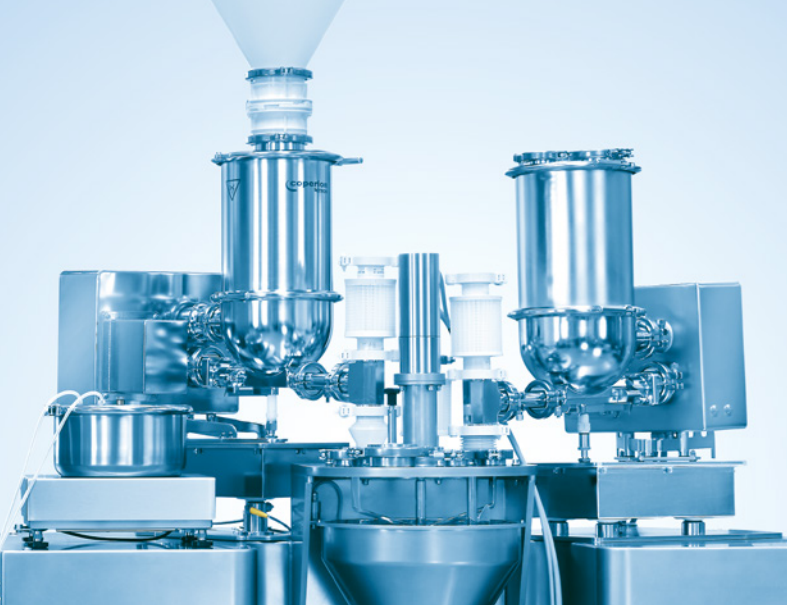




More than simply a supplier of process equipment, Coperion K-Tron is the result of an unparalleled fusion of two industry leaders. Coperion K-Tron now provides all of the same trusted systems and components in an even broader context. What does this mean for our customers? Apart from the consolidation of long-standing experience and technical ingenuity, it means extended process support, optimized integration of equipment, combined process control and more comprehensive systems.

Coperion K-Tron reflects the ideal integration of expertise to provide complete process solutions from a single source. Mutual knowledge transfer and collaborative know-how exchange underscore a unified company vision: enhancing customer performance in a variety of targeted markets. What serves as the basis for this vision of market leadership? High-quality products that create value for customers backed by a global service network and a total dedication to meeting customer needs.

Coperion K-Tron is committed to developing and maintaining a foundation of confidence on which long-lasting customer relationships are built. Working together, we aspire to grow customer benefit along the complete value chain through our integrated process competence and technological innovation. It is the perfect alignment of these company aims and values that makes Coperion K-Tron such a strong technology and application partner for bulk material intelligence.







TOGETHER TO THE **NEXT LEVEL**

Together to the next level – As a market leader in compounding and extrusion, as well as material handling and service, Coperion brings a wealth of know-how and experience to this unique partnership. Customers benefit from divisions that are optimally networked to offer ultimate support in the design and implementation of ideal systems. Staffed by process engineers, chemists, food technicians and a variety of industry experts, these centers form a powerhouse of customized process engineering for made-to-order, turnkey solutions. And now customers can benefit from even more engineering excellence through an extended portfolio combining the products and services of two industry pioneers.

Beyond large-scale applications, close collaboration with customers has driven the continual development of systems and components. From individual rotary valves to complete product lines for compounders and extruders, Coperion and Coperion K-Tron work with customers to deliver what they need for their processes. Through modern machinery and innovative plant design, Coperion K-Tron also offers customers tailored solutions for a variety of material handling applications. This impressive portfolio is rounded off by extensive worldwide service and support encompassing maintenance, spare parts, consulting and training. As a result, customers have access to an even greater global network designed to take their processes to the next level.

Paper or plastic? Food or pharmaceuticals? Whatever the industry, we develop the equipment and systems at the core of your manufacturing process. Our products can be found wherever bulk materials are processed, in nearly every industry, for a wide variety of applications. From individual components to complete systems, we deliver excellent quality with our top-of-the-line engineering.

The substances and raw materials that make up modern goods could not be more diverse in terms of size, shape and texture, and the suitable handling of these valuable resources is crucial for companies geared toward efficient and economical production. Coperion K-Tron helps customers achieve this efficiency by supplying feeders and complete conveying systems that form the core of optimized material handling systems. The far-reaching benefits are endless: A snack food manufacturer can be sure that there's no better way to convey ingredients for food processing, an auto parts producer can rely on the precise mixing of resins and additives in the engineering of that perfect compound.

We focus on helping our customers optimize their processes by providing engineering excellence and identifying the best components for their needs. We take commitment to our customers to the next level by ensuring that our high-quality components are ideally integrated into their production lines. From project planning in the UAE to the commissioning of a plant in China and the optimization of production processes in Latin America, we are always on hand to create value for our customers. Like our technology, our service network encompasses the globe, from the Americas to Asia Pacific with Europe and the Middle East and Africa in between.



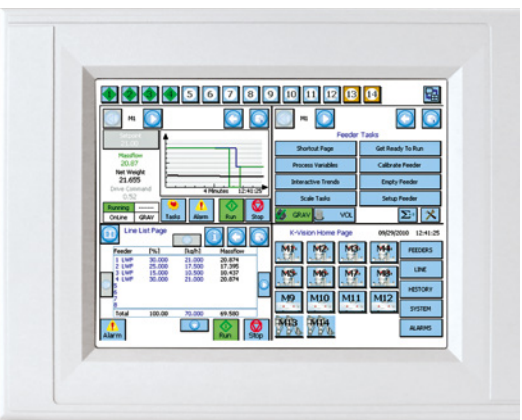






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Highly accurate solutions for handling a wide range of ingredients. From chocolate chips to fiber-glass, floodable powders to waxy liquids, Coperion K-Tron offers the right feeder for any material. Our product line includes volumetric feeders, loss-in-weight feeders, weigh belt feeders and mass flow meters with the related controls for continuous and batch processes.



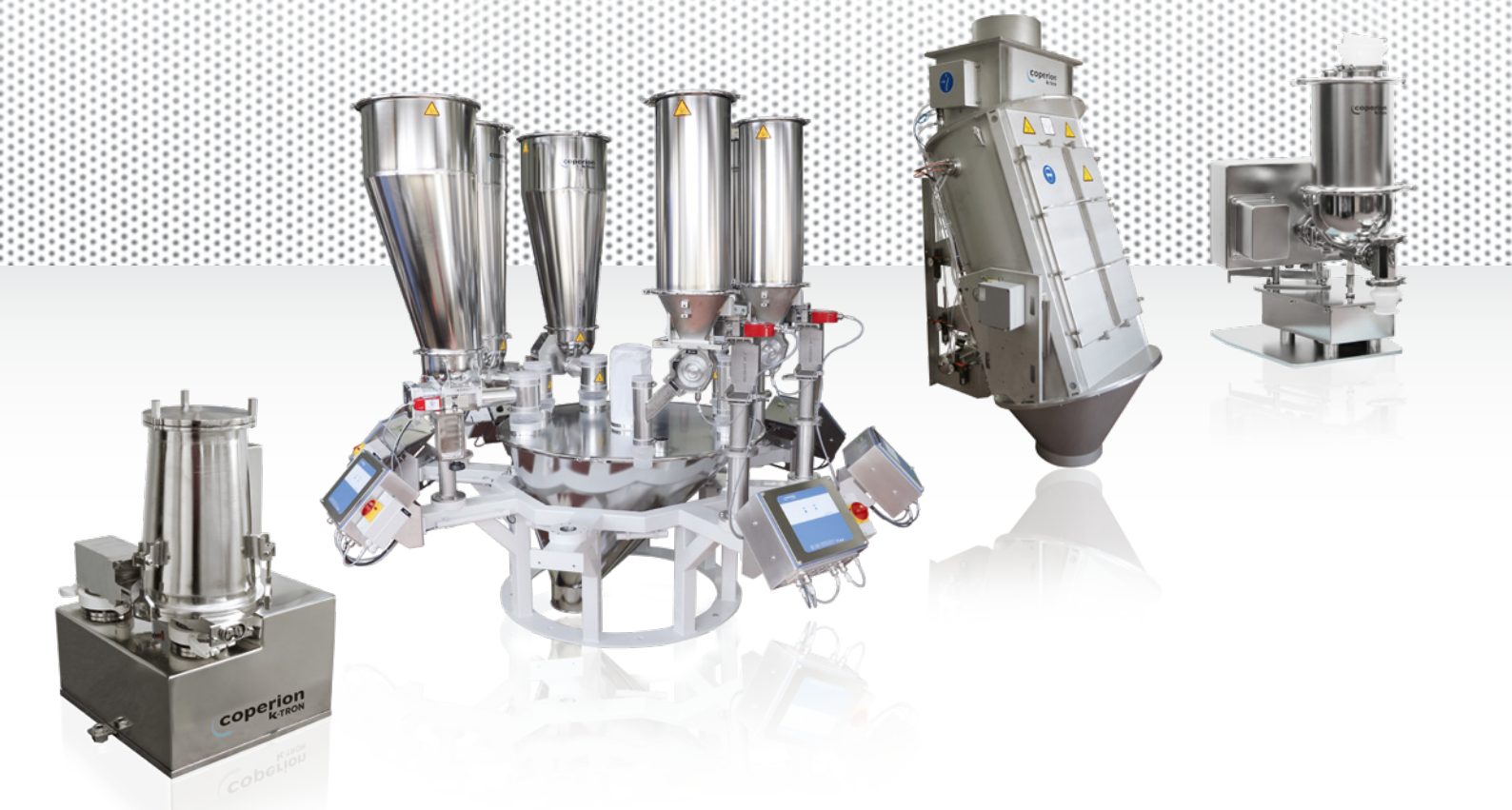
LOSS-IN-WEIGHT FEEDERS
Gravimetric loss-in-weight feeding of dry bulk materials and liquids when accuracy by weight is critical.

VOLUMETRIC FEEDERS
Volumetric twin and single screw feeding of dry bulk materials when accuracy by weight is not critical.

WEIGH BELT FEEDERS
Gravimetric weigh belt feeding of dry bulk materials when accuracy by weight is critical and limited headroom is available.

BULK SOLIDS PUMP™ FEEDERS
Volumetric and gravimetric positive displacement feeders for free-flowing materials.

Together to the next level – with an extensive Coperion product portfolio. Through this unique collaboration, Coperion K-Tron benefits from integrated process know-how, and our customers benefit from unrivalled components and systems. As a specialist for compounding and extrusion systems, Coperion contributes exceptional expertise in an extended range of product and service areas. From pioneering twin screw extruders to full-scale plant design, customers can be certain that their processes are in good hands. Together, Coperion and Coperion K-Tron are ideally positioned to ensure that customers get the products and services they need to take their processes to the next level.



COMPACT AND MICRO-INGREDIENT FEEDERS
Gravimetric low-rate loss-in-weight feeding of dry bulk materials and liquids when accuracy by weight is critical.

K4G CONTINUOUS BLENDING SYSTEM
Gravimetric loss-in-weight blending of multiple dry bulk materials when accuracy by weight is critical.

SMART FLOW METER
Gravimetric metering of dry bulk materials.

PHARMACEUTICAL FEEDERS
Volumetric and loss-in-weight feeding of dry bulk materials. Pharma feeders are designed for sanitary construction, quick disassembly and easy cleaning.

State-of-the-art systems and components for bulk material conveying. With a product line featuring a wide range of components from diverter valves to rotary valves to filters and vacuum receivers, we can tailor unloading, transfer and storage systems to meet your specifications. Our application knowledge and ability to effectively handle a large variety of bulk materials have earned us the trust of our customers.



BAG DUMP STATIONS
Coperion K-Tron's range of bag dump stations are designed to ensure a clean, dust-controlled process environment while unloading materials received in bags.

SERIES 2400 VACUUM RECEIVERS
Series 2400 vacuum receivers provide a sequencing system designed to handle powder, pellet, regrind and granular materials.

P-SERIES SANITARY RECEIVERS
Filtered P-Series vacuum receivers are specially designed for use with powders and in sanitary applications.

CUSTOM SYSTEM CONTROLS
Coperion K-Tron's sophisticated system controls are designed to execute the operations of bulk material handling equipment with the client's specific needs in mind, using state-of-the-art PLC technology.

Together to the next level – with extended possibilities for bulk material processing plants. Through a comprehensive line of pneumatic conveying equipment, providing both lean phase and dense phase technology, customers will benefit from our integration process know-how. Everything is in place to offer process competence and cutting edge technology that will drive their process. From components to the systems level, customers will have the confidence and trust in the products our partnership puts forward. They can rely on us to take their process to the next level.



ROTARY VALVES
Coperion rotary valves are offered in more than 150 models and sizes, in round or square inlet/outlet configurations.

FILTERS, VENTS AND CYCLONES
A wide range of bin vents, filters and cyclones provide ventilation and filtration for vessels of all shapes and sizes.

BATCH WEIGHERS
Weigh hoppers are available in variety of models and sizes for use in both vacuum and pressure systems.

TRUCK AND RAIL UNLOADING
PD truck and railcar unloading systems include a blower package and PLC controls to monitor the system's operation.

We put your materials to the test, so you can trust in our recommendations and have confidence in your processes. The characteristics of a material determine how it is best handled. In our fully equipped test facilities, we take the guesswork out of selecting the right equipment and systems for the materials you need processed. We take this to the next level by engineering with the future in mind, ensuring the long-term quality of our products and optimizing their performance. How do we do this? By keeping abreast of developments in the field and devoting our own research to moving the industry forward.

From the lab to the line

Knowing the physical properties of the materials intended for processing is key in setting up a successful plant. And modern material testing – like our state-of-the-art bench test – is essential in selecting the right equipment for the job. Through our technical facilities and laboratories, we can help our customers protect their return on investment. From the analysis of bulk materials to full-scale facility testing and reports, Coperion K-Tron supports customers along their entire process chain. And with test labs in the USA, Switzerland and China, we are there where we are needed, offering standardized testing to ensure accurate and representative results.

Driving product evolution

Technological leadership is not defined by keeping pace with the competition. It requires a pioneering outlook and the ability to drive advances in technology through expertise. And that is precisely what inspires our global R&D team. Based in Europe and the USA, our mechanical and electrical development engineers continually research core processing technologies. The scope of their work covers mechanical design, weighing technology and control algorithms, and contributes to advancements in specific areas such as continuous feeding and pneumatic conveying – innovations that keep materials moving in the right direction.

01 | Testing

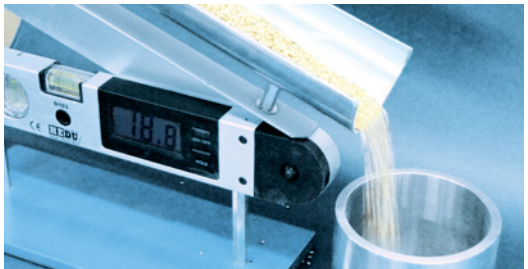
02 | Bench Test

03 | Service Parts

›01



›02



›03











Optimizing your process
A fully equipped test lab is at your disposal at each of our plants in the USA, Switzerland and China. Each location can conduct tests with your process materials to answer critical process questions and determine the best configuration of the feeding and conveying equipment for a particular product or group of products. Our consulting services cover many areas, including:

- Tests with actual bulk material
- Determining refill levels
- Testing of feeding accuracy
- Long-term testing of feeding systems
- Bin design and selection of flow aid devices
- Refill systems
- Mechanical and electrical interfaces
- Interfaces with upstream and downstream systems
- Validation

Together to the next level – with unprecedented teamwork that continuously sets new benchmarks through research and development. With even more extensive testing at locations worldwide, we can focus on specific customer projects and drive research to engineer new developments in line with their unique needs. Coperion K-Tron test labs are ideally equipped to determine whether a new formulation means it is time to retrofit or reconfigure an existing system. Our advanced facilities and testing procedures simulate the wide range of challenges a production plant might face. Whether customers turn to us for scale-ups or even rental machines, we make sure their process moves to the next level.

Worldwide innovation from a single source. Wherever your business is located, you can be sure that you have a strong partner at your side for all of your material handling needs.

Sales

Our extensive network of representatives and offices worldwide is staffed with dedicated employees who ensure efficient workflows among all of our locations. They are committed to helping customers apply our products and services to add value to their business. With over 80 manufacturer representatives across the globe, customers can count on local consulting that aligns with their needs. Always at your service, around the world.

Engineering

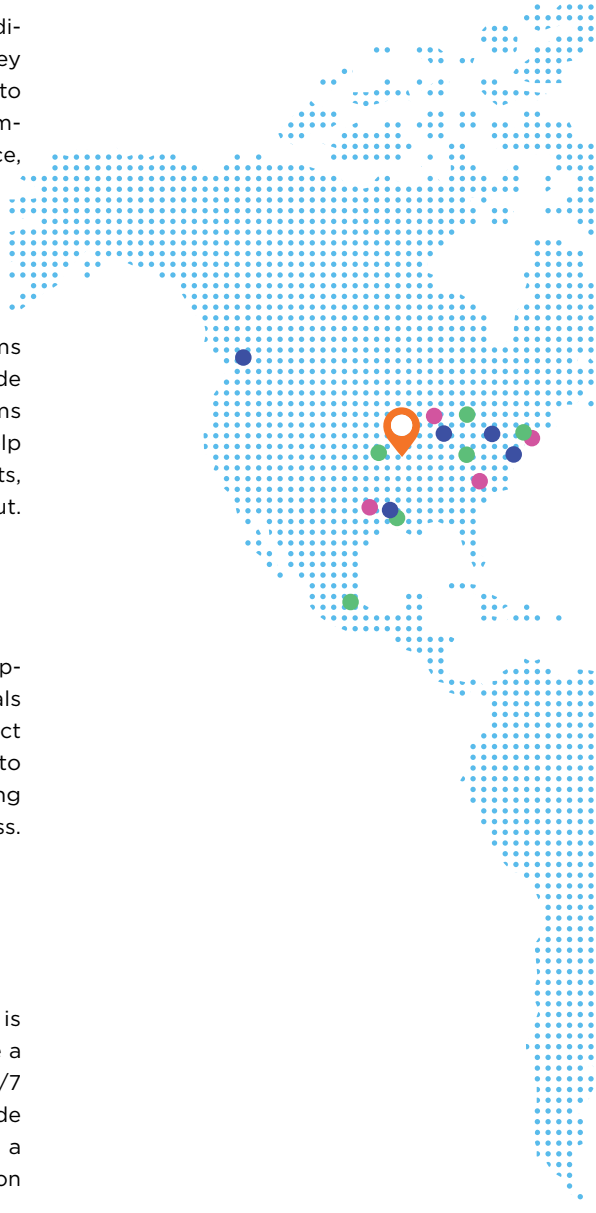
Coperion K-Tron has an extensive history of engineering excellence. With systems engineering centers in Asia, Europe and the USA, we are well positioned to provide consultation to the customer, design, develop and commission complete systems and components for bulk material process industries. Our innovative solutions help thousands of companies produce world-class products across a wide range of markets, and we take pride in being part of their overall success. Excellence in, excellence out.

Production Sites and Test Labs

Our material test labs and dedicated staff are ready to assist customers in the development of their complete process system. We understand the value of raw materials and the importance of optimizing the processing of ingredients to meet end product specifications at the lowest cost. We help customers determine what they need to maximize profits and the success of their business. Where others stop at making process equipment, we make sure customers find the right solution for their process. Making things work, anywhere in the world.

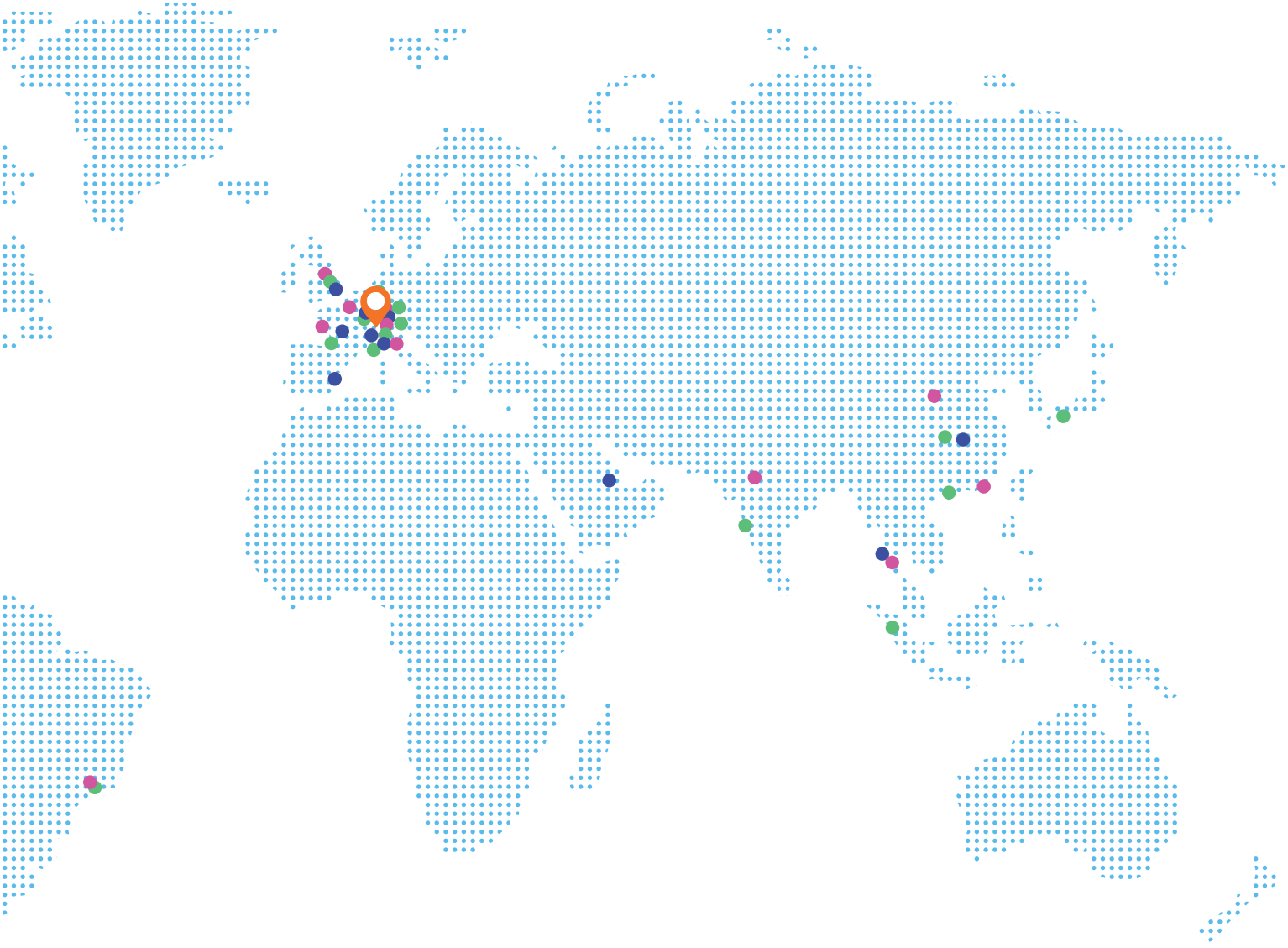
Service and Training

We are more than just an equipment supplier. The high quality of our products is matched by the high quality of our maintenance and service offering. We provide a global network of trained and certified engineers for start-up commissioning and 24/7 service demands. In addition, through our extensive training programs, we provide customers with the tools they need to operate and maintain their equipment on a regular basis. Training can be provided on site or at one of our global Coperion K-Tron classroom facilities worldwide.



We have a network of over 80 manufacturer representatives around the globe. Visit www.coperion.com for a location near you.

Together to the next level – Now our portfolio of products and services is even more extensive. With our expanded global network we can offer customers the far-reaching support they deserve. We are ideally networked for direct contact with customers and are able to provide specialists and partners that speak the local language and are familiar with local culture and customs.



Headquarters Coperion FHN
Kansas City, MO, USA

Headquarters Coperion PM
Stuttgart, Germany

Coperion companies and offices

Malsch, Germany
Meckesheim, Germany
Osnabrück, Germany
Weingarten, Germany
Wesseling, Germany
Croissy-Beaubourg, France
Montaigu Vendée, France
Rians, France
Saint Priest, France

Niel, Belgium
Goes, Netherlands
S'Hertogenbosch, Netherlands
Niederlenz, Switzerland
Ferrara, Italy
Bresso (MI), Italy
Moscow, Russian Federation
Barcelona, Spain
Cheshire, United Kingdom

Peterborough, United Kingdom
Stockport, United Kingdom
Delta, Canada
Bristol, PA, USA
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Houston, TX, USA
Naperville, IL, USA
Sabetha, KS, USA
Sewell, NJ, USA

Sidney, OH, USA
Solon, OH, USA
Whitewater, WI, USA
Wytheville, VA, USA
Guangdong, China
Nanjing, China
Shanghai, China
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Singapore

Taipei, Taiwan
Rayong, Thailand
Samutprakarn, Thailand
Yokohama, Japan
Noida, India
Osasco, Brazil

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