



KEB Blow Molding Machines

PROVEN, FLEXIBLE & COMPACT



#madebykautex

Kautex – Future needs Origins

90 Years of Pioneering Extrusion Blow Molding Technology

Since 1935, Kautex has stood for groundbreaking technologies in extrusion blow molding. Now, 90 years later, we combine German engineering tradition with global innovation to deliver sustainable production solutions for plastic products.

As part of the Jwell Machinery Group, Kautex Maschinenbau System GmbH develops smart machines and digital solutions that empower our customers to manufacture efficiently, sustainably, and with future-readiness in mind.

Our passion lies in sustainable plastics processing – whether through the use of recycled materials, the development of lightweight products, or the creation of digital twins for blow molding machines.

With a global team of around 150 specialists across sales, service, and R&D, we are internationally connected and locally responsive. Our worldwide locations allow us to stay close to our customers and the pulse of the market.

Our legacy of innovation began with the invention of the world’s first commercial extrusion blow molding machine – and today, we continue to shape the future of the industry with smart technologies and sustainable solutions.

Kautex – Extrusion Blow Molding Technology with Responsibility.



Why KEB

KEB extrusion blow molding machines – the multitool in blow molding production



PROVEN QUALITY
Over 40 years on the market with more than 3,500 installed machines – robust, durable, and highly reliable.



MAXIMUM FLEXIBILITY
Adaptable design allows for easy modifications to meet various operational requirements.



INTUITIVE OPERATION
n Well thought operation concept for eays use and quick product changeovers and maximum productivity.



COMPACT DESIGN
Space-saving construction for maximum efficiency and seamless integration into your production.



Shaping Extrusion Blow Molding for 90 Years:

FIRST DECADE 1935 – 1944	SECOND DECADE 1945 – 1954	THIRD DECADE 1955 – 1964	FOURTH DECADE 1965 – 1974	FIFTH DECADE 1975 – 1984	SIXTH DECADE 1985 – 1994	SEVENTH DECADE 1995 – 2004	EIGHT DECADE 2005 – 2014	NINTH DECADE 2015 – 2024	TENTH DECADE 2024 until now
The first 10 years of the company’s existence was a time of courage. The company’s founder, Reinold Hagen, became a businessman at the relatively young age of 22 following the premature death of his father.	Experiments with thermoplastic materials lead to the idea of blow molding plastics in such a way that they retain their shape. The first blow molding machines are developed for series production.	Kautex enters the international market. Its global expansion begins with the export of machinery to the USA.	Kautex sets the standards in machinery performance with breakthroughs such as the 5,000-liter tank and the introduction of international servicing.	The machinery division goes its own way: Kautex Maschinenbau GmbH is established as a spin-off of the main Kautex company and is taken over by Fried. Krupp GmbH.	Mechanical engineering becomes digitized and paves the way to optimizing control and monitoring processes.	This decade sees a boom in demand for machinery for producing plastic fuel tanks. Kautex continues to thrive despite a series of takeovers and a merger.	The self-discovery phase has paid off: Kautex focuses on its goals and takes the lead in the global blow molding industry.	Plastech Beteiligungs GmbH (family holding Neumann / Knünz) takes over ~93% of the company shares.	Together with our new strategic partner Jwell, we are looking into a bright future!

The Multitool in Blow Molding Production

KEB extrusion blow molding machines

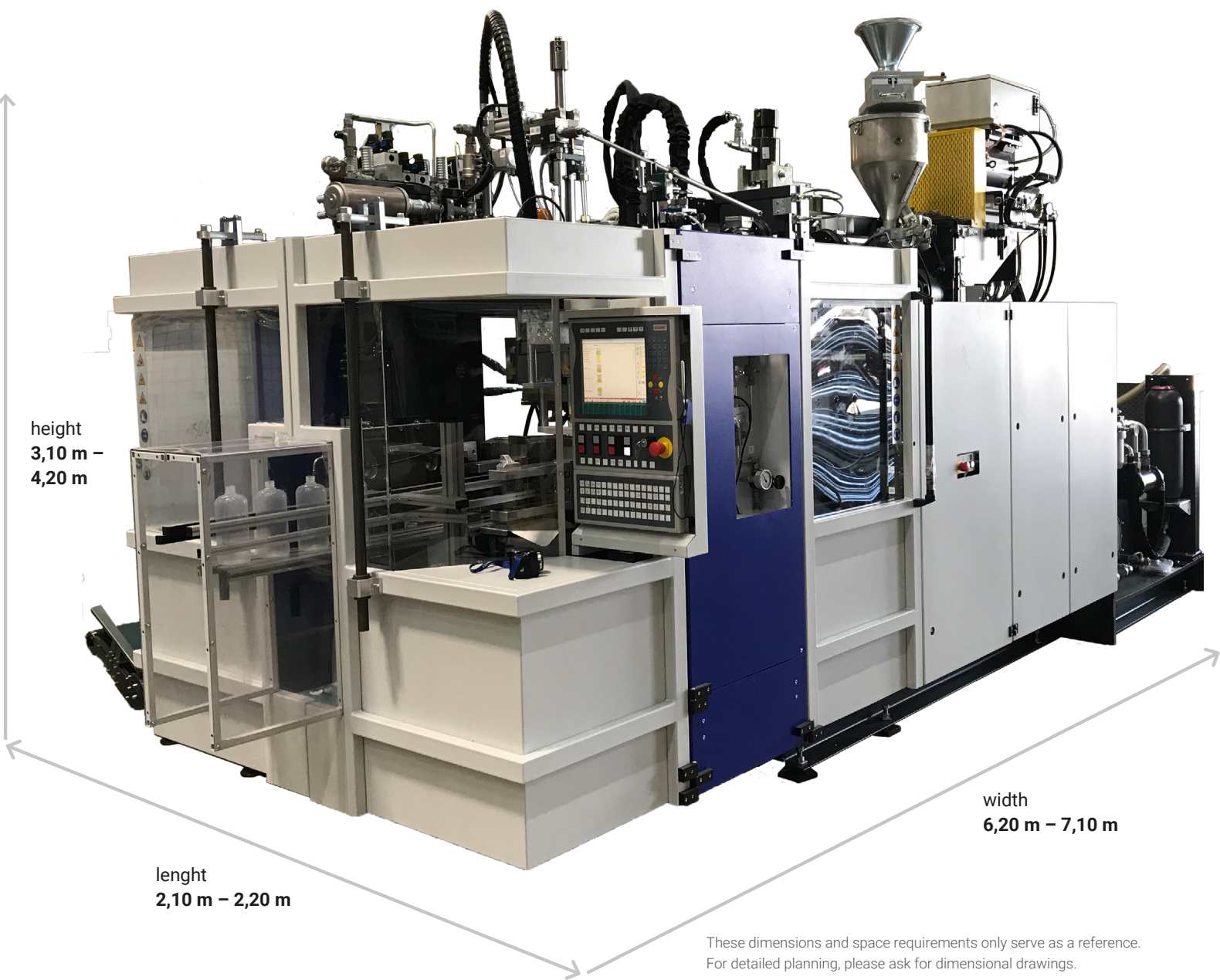
For over four decades, KEB has been a trusted name in the extrusion blow molding industry. With more than 3,500 systems operating reliably worldwide, KEB machines have become a cornerstone of production lines across the globe.

Our machines have evolved through multiple generations – KEB 1, KEB 2/KEB 3/KEB 30, KEB 5/10/20, Blowpac 100/200/300, and today's KEB 10/20/30 series—yet our core design philosophy remains unchanged: durability, flexibility, compactness, and ease of use.

KEB systems are designed for a wide range of applications, from technical parts to demanding packaging solutions such as bottles and canisters with handles, eccentric or angled necks, multilayer structures, and view stripes. This versatility is enabled by the optimized machine design. Features such as the scissor-type, tiebar-less clamping system and a mold parting line aligned with the extruder axis allow for the integration of various calibration and functional modules, all within a compact footprint.

User-friendly operation is a key focus of every KEB machine. Fast and uncomplicated product changeovers are built into the design, while maintenance and service are straightforward and efficient, thanks to thoughtful engineering.

Ergonomic and space-saving, KEB machines integrate seamlessly into existing production lines. And they're built for the future: modular adaptability ensures they can meet evolving requirements and shifting production demands—delivering maximum efficiency both today and tomorrow.



These dimensions and space requirements only serve as a reference. For detailed planning, please ask for dimensional drawings.

Your Added Value



COST-EFFICIENT

- Compatible with existing KEB molds and heads
- Designed for fast product change over



MAXIMUM FLEXIBILITY

Many options to suit your article and material

- Bottom and/or top blowing station
- Angled neck calibration
- PIR / PCR processing possible
- Screenchanger possible
- PWDS and SFDR tooling possible
- Fast product change options
- DataCap for production data collection
- And many more...



FOCUS ON OPERATION NEEDS

- Operator panel close to clamping unit
- Fully adjustable during operation
- Easy mold and head change
- Fast and efficient start-up



LESS SPACE REQUIRED

- Ultra compact design through in-line cavities
- All units mounted on one frame



LESS DOWNTIME

- Fast product change-over
- Minimum maintenance effort

KEB Article Range

Versatile Production Capabilities with the KEB Machine Serie

Our KEB machine series offers outstanding flexibility and efficiency in the production of plastic hollow bodies. It enables the manufacturing of packaging and containers with volumes of up to 30 liters

In addition, the KEB series is perfectly suited for producing technical blow-molded parts with complex geometries and specialized functions. Whether for standard packaging or advanced technical applications, the KEB series delivers maximum versatility.



CONSUMER PACKAGING

- Bottles
- Up to 6 cavities



JERRY CANS

- 5-30 l jerry cans possible
- 1 to 3 cavities possible



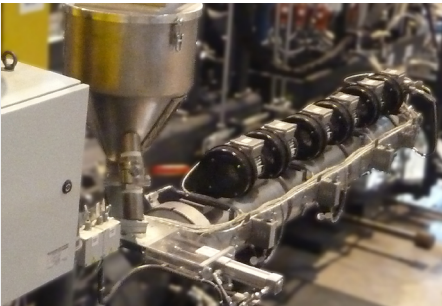
TECHNICAL PARTS

- Complex geometries possible
- Special functions possible

KEB Process Know-How

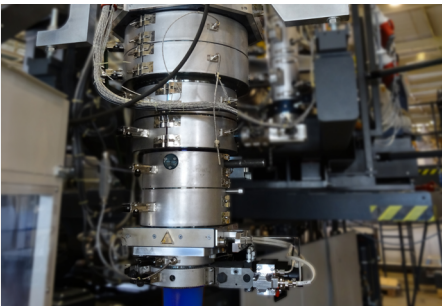
Extruder

- **Efficient Melt Generation** – High efficient servo drives
- **Best Melt Quality** – Good homogenization of melt
- **Broad Range of Materials** – Optimized screw designs for broad range of materials



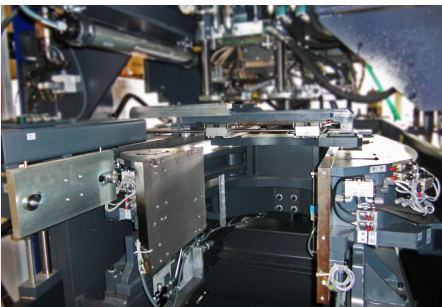
Die Heads

- **Premium Product Quality** – Optimized die heads ensure precise, uniform wall thickness distribution
- **Versatile for all Applications** – Wide range of head sizes, layer numbers and center distances for various applications
- **Easy Maintenance & Adjustments** – Swiveling extruder and die head for effortless tool changes, cleaning, and fine-tuning



Clamping Unit GREY

- **Precise & Powerfull Clamping Unit** – High repeatability with equal force distribution for clean pinch-off and easy deflashing
- **Flexible in Every Way** – Wide range of molds possible, large clearance below mold for additional devices
- **Fast Product Changeover** – Minimized downtime with optional quick-change systems for mold and blow pin adjustments



Machine Control BC6

- **Optimized interface** – easys operatable HMI with 24" widescreen touch display
- **Future ready** – High performance PLC with up-to-date operating system and ready for remote diagnostics
- **Connective** – Upgrades for data analytics and safe internet connection available



Technical Data*

Mold		KEB10	KEB20	KEB30
Mold width	max. mm	470	590	610
Mold lenght	max. mm	500	600	700
Mold thickness	min. mm	2 x 150	2 x 200	2 x 250
Mold weight	max. kg	2 x 300	2 x 400	2 x 600
Daylight between platens	min. mm	300	400	500
	max. mm	560	700	880
Carriage shuttle stroke	mm	430	550	570
Clamp stroke	mm	260	300	380

Blow molding machines

Clamping force	kN	120	240	380
Closing speed	max mm/s	500	500	500
Dry cycle time**	s	2,1	3,0	3,9
Installed capacity (hydraulic)	kW	15	22	22
Drive for VWDS/VWDS + PWDS	kW	4/5,5	4/5,5	4/5,5

Utilities

Pressurized air consumption	Depending on article volume and output			
Operating pressure pressurized air	bar	8 – 10	8 – 10	8 – 10
Cooling capacity inlet temperature max. 30°C (hydraulic)	max. kJ/h	30.600/ 36.000	38.160/ 44.000	38.160/ 44.000
Cooling performance for blow mold and extruder feeding zone HDPE/HMWPE	<div><div>kJ/h</div><div>kg/h</div></div>	850	850	850

** Sum of the Mold movements, independent of the process.

* All descriptions, pictures, data and dimensions are not binding upon us. Kautex Maschinenbau System GmbH reserves the right to change designs and specifications without notice.

Kautex Know-How – From Concept to Creation

From idea to product, Kautex Know-How connects deep process expertise with customer vision — transforming plastics into innovation that truly performs.

The Kautex Technology Center is a globally recognized center of excellence for extrusion blow molding applications.

Since its opening in March 2012, it has set new benchmarks in the development and optimization of plastic products. With more than 1,000 square meters of high-tech space, it offers cutting-edge infrastructure for innovative plastics engineering.

Our machinery and systems are available for both in-house R&D projects and external customer services. At our site in Germany, we offer extensive material testing, prototyping, and hands-on collaboration. We believe direct interaction on-site is essential – especially during development work with our customers and partners.

At the Technology Center, we support the entire product development lifecycle – from initial concept to full-scale implementation and production startup. Our experts assist in

design validation, simulation, and process engineering, while also delivering prototypes and in-depth material analysis. This significantly reduces time-to-market and development costs, helping you bring your ideas to life faster and more efficiently.

In addition, we continuously update our machines and processes to reflect the latest advancements in extrusion blow molding technology. The Technology Center also serves as an innovation platform for joint development projects with customers, raw material suppliers, and mold makers. From pilot production to small batch manufacturing, we provide a flexible and high-performance environment to help you stay ahead in competitive markets.

With over 90 years of experience and a team of interdisciplinary experts, we ensure premium product quality and tailored solutions – because your success is our mission.



Kautex Service – Always On. Always Kautex.

Kautex Sustainability – Commitment Beyond Business

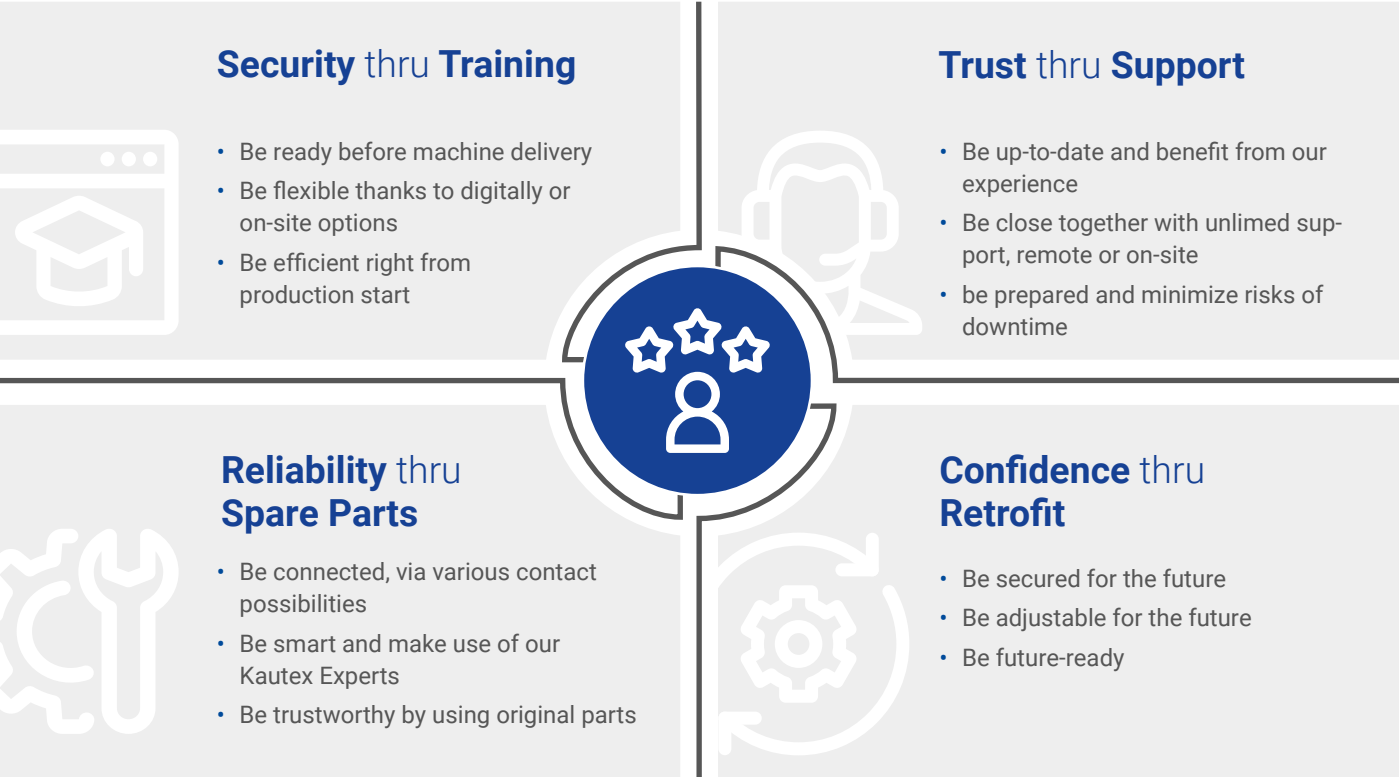
With smart tools, expert support, and a solution-driven mindset, Kautex Services keeps your production running – seamlessly, reliably, and ahead of time.

At Kautex, service means more than support – it means maximum uptime, efficiency, and future-proof performance. Our offering is built on four pillars: **Training, Support, Spare Parts, and Retrofit.**

- **Training** delivers practical knowledge – on-site, at Kautex, or virtually via our digital machine twin – to build operator confidence and technical expertise.
- **Support** minimizes downtime through on-site service, remote diagnostics, and expert hotline access. We also offer audits, inspections, and consulting, backed by our Tech Center with

prototyping, sampling, and testing services.

- **Spare Parts** are available quickly, worldwide, and in original Kautex quality. With an intuitive online request system, multi-lingual support, and regional hubs, we ensure fast delivery – even for discontinued components.
- **Retrofit** extends machine life and boosts performance with control upgrades, automation (e.g. DataCap, Ewon Box), and mechanical updates. We also manage relocations in close coordination with our engineering teams.



At Kautex, sustainability means balancing economic success, social responsibility, individual growth, and environmental care – driving innovation that benefits everyone.

Sustainability has always been an important part of the corporate DNA for Kautex Maschinenbau System GmbH. Especially with regard to future global challenges, however, the topic is taking on an increasingly central role.

- Environmental Sustainability**
- Member of the R-Cycle community
 - Cooperation with post-consumer recycled plastic producer Braskem

- Individual Sustainability**
- Lifelong learning possibilities
 - Talent management

- Economical Sustainability**
- KPI transparency
 - Family-holding owned with plastics focus
 - Brand value evolution

- Social Sustainability**
- Cooperation with regional universities and schools
 - Relationship management with local plastic associations

Our Sustainability Vision
Our highest priority is to make our customers' products better and more sustainable.

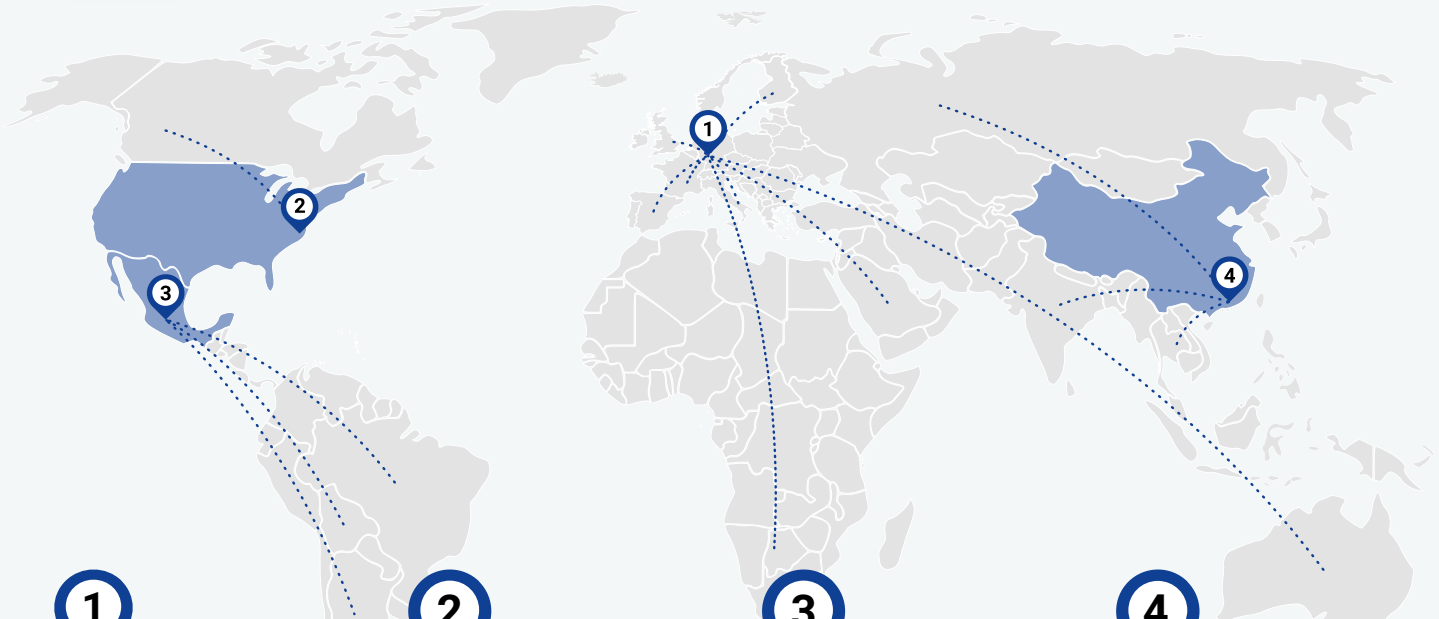
Our Sustainability Mission
Moving the whole industry from a linear to a circular economy by creating a symbiosis of adding value.





Get in touch

We are happy to help! Please feel free to contact us for any inquiries or assistance you may require.



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