



# PRECISE DISPENSING THROUGH TECHNOLOGY AND PASSION

Thanks to the technology based on the endless piston principle a process-safe handling of viscous and pasty materials is possible.





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## WORDS FROM THE MANAGEMENT

For demanding dispensing applications, you need a competent and experienced partner. ViscoTec is that partner - for dispensing, filling, emptying and treatment of liquid to pasty materials.

The particular strength of our products lies in the processing of highly viscous, abrasive materials. The particular strength of our team lies in finding solutions for the trickiest dispensing tasks. We often start where others have given up.

We can proudly look back on more than 20 years of success. And for the future, we are motivated to become even better step by step and to further develop the company sustainably and in the long term.

Discover more about us on the following pages: What makes us special, how our portfolio is used in so many different ways, and how we are committed to our customers and our workforce.



Every day we work to build, maintain and, above all, sustain trusting customer relationships.

The willingness to commit to the needs and expectations of our customers and staff, a structured brand management and intensive development work - this is what ViscoTec stands for.

CEO: [Georg Senftl](#)

An innovative and trusting working environment is the foundation for new ideas. Growth occurs quite incidentally.

This is how we create secure jobs for our employees. And create just the kind of technological progress on which our customers in a wide range of industries rely.

CEO: [Martin Stadler](#)



## THE COMPANY – A DYNAMIC DEVELOPMENT

### THEN AND NOW

In 1997, the pump technology department was outsourced from Resch Maschinenbau GmbH. The resulting company became ViscoTec. The new philosophy was: „Divert away from the pump as product, move towards a system solution“. With the decision to manufacture its own stators and rotors, ViscoTec made its breakthrough into the world market. With several subsidiaries in Asia, Europe, and the USA, we have now made an international name for ourselves as dispensing technology specialists.

Today ViscoTec stands for precise dispensing through technology and passion.

### TODAY AND TOMORROW

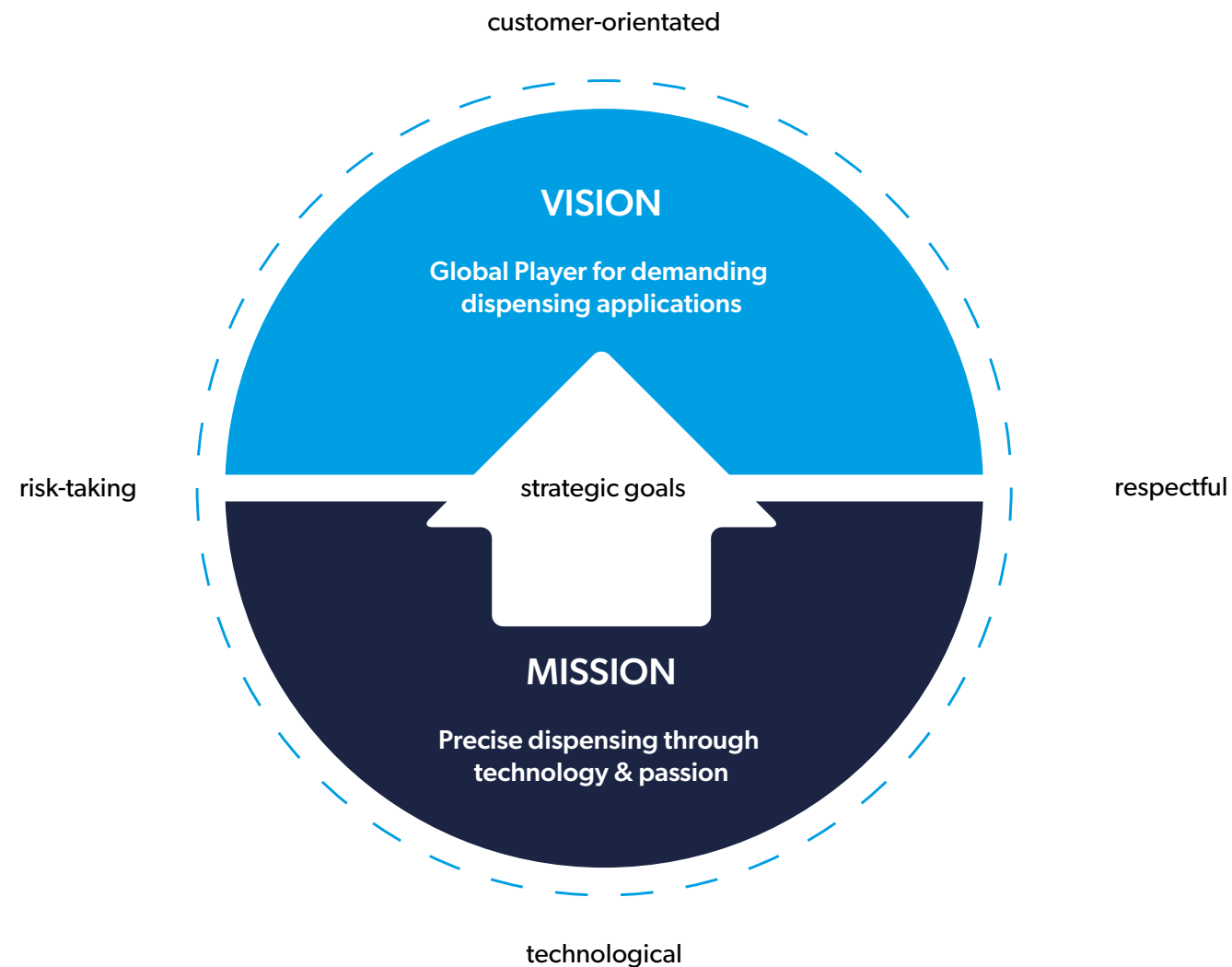
But the finish line is never reached. Numerous challenges and goals await ViscoTec in the future as well. It is important to stand up to the competition and not focus on the achievements so far, but on those for the future. Constant innovation and an outstanding workforce make ViscoTec a strong competitor in the international market.

### VISCOTEC IN NUMBERS

Every year, nearly 200 dispensing tests are carried out for customers in our technical center. Our 265 employees worldwide ensure that visitors feel at home in our facilities and that inquiries are answered promptly through a wide variety of channels. The staff is spread over 6 branches. ViscoTec is also supported by 32 distributors on almost all continents. In 2020 as many as 40.000 dispensers were sold. The annual turnover was 50 million €.



## OUR MISSION STATEMENT



### OUR VISION

As a globally active company, ViscoTec strives for continuous growth and is achieving exactly that by successively expanding its sales structures - worldwide. Our customers include major corporations in the automotive industry, consumer electronics and aerospace.

Our specialty is dispensing technology. We concentrate on this core competence on a daily basis. We offer process experience and appropriate advice - for the most complex dispensing processes and customer-specific solutions. For example, when dispensing materials with high viscosities or a high filler content, with extreme mixing ratios of two-component materials, or for complex rheological properties of the material to be dispensed.

### OUR MISSION

The basis of our portfolio is the progressive cavity pump, in particular the endless piston principle. It consists of a stator and a rotor. Their interaction results in a delivery and dispensing characteristic that is reminiscent of an endlessly moving piston.

The two core components are permanently put to the test in terms of performance and durability. Only with continuous further development and the consideration of new technologies can newly developed materials and newly designed dispensing processes be operated perfectly. In this way, new material combinations and materials for new product variants are constantly being created. Precise testing and control of the components ensures the consistently high quality of our products.



## OUR BRAND VALUES

### risk-taking

Driven by the urge for constant optimization and improvement, we are always looking for new challenges. We want to break new ground, open up new markets, discover new applications and make bold decisions. Our motto is: „Standing still means taking a step backwards - only those who move, go forward.“

### respectful

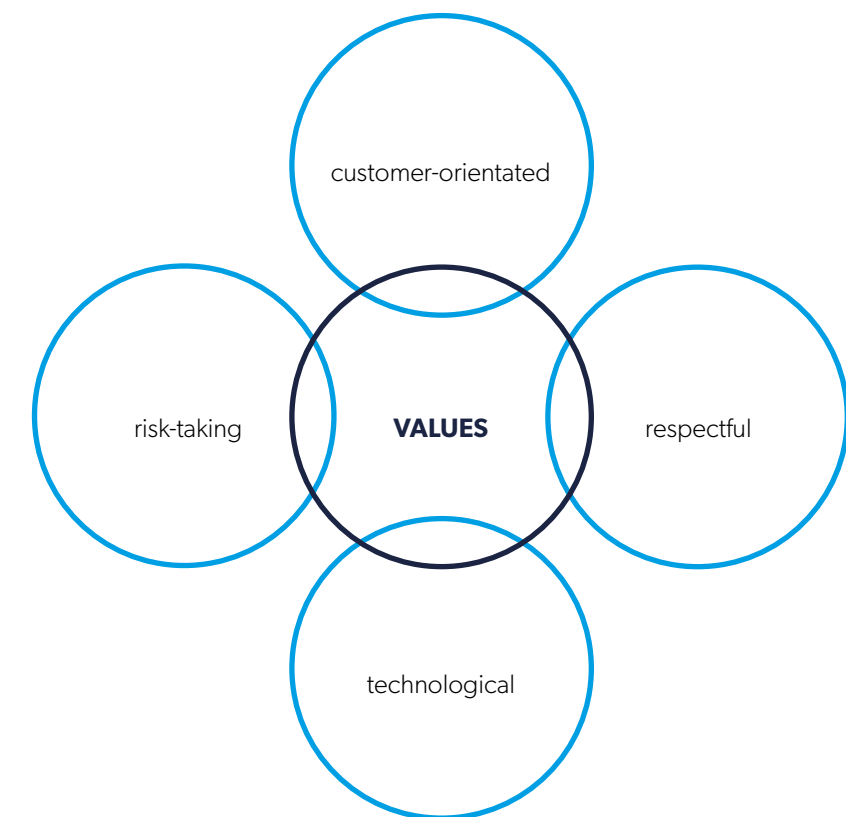
We give our staff the necessary confidence to take responsibility for their tasks and work independently. Nevertheless, no one is left on their own, and the doors of the management are always open for discussion and requests. An open knowledge culture and a strong team spirit characterize our daily business.

### technological

In order to be well prepared for the challenges of the numerous markets in the future, we continuously strive for innovation. We improve our products, develop new ideas and place the highest value on quality and service. Our customers enjoy the advantage of products that, in addition to the technical features, offer one thing above all else: Reliable, precise, and fast dispensing, which enables them to increase the quality of their own products.

### customer-orientated

Our customers can always count on us. Together with you, we will work out the right solution for your dispensing application - and accompany you during the lifetime of the pump. Business partners appreciate our high sense of duty and our solution-oriented and pragmatic way of working.







# PERFECTLY DOSED THANKS TO THE ENDLESS PISTON PRINCIPLE

## ADDED VALUE FOR THE CUSTOMER

Our proven endless piston principle offers numerous advantages. As the conveying direction can also be reversed, a clean and controlled material thread break without dripping can be achieved. With our dispensers, very small quantities of 1 µl can be applied reliably and with a dispensing accuracy and a repeatability of > 99 %.

The endless piston principle is also a technology suitable for a variety of product materials. Materials with properties such as abrasive, shear-sensitive or highly filled are perfectly processed.

## OUR TECHNOLOGY

Volumetric dispensing and filling systems are based on the **ENDLESS PISTON PRINCIPLE** and are used for low to high viscosity fluids.

The core of every application is a purely volumetrically conveying dosing pump. The interaction of rotor and stator results in a feed and dosing characteristic that is similar to an endlessly moving piston.

This results in a pressure-stable, linear pump characteristic. It makes a clear statement about the ratio of revolution, time and flow rate. Therefore, a constant volume can be dosed either over time or over a number of revolutions. A dosing accuracy at the pump outlet of  $\pm 1\%$  (depending on the material), which in practice is often below this, is guaranteed.





# OUTLINE OF OUR PRODUCT RANGE

Efficient product handling during the emptying, treating and dispensing of 1- and 2-component materials – including intuitive control technology. Our products are specially adapted to your material to the material to be processed and integrated into your production process.

## DISPENSERS AND PUMPS FOR DISPENSING, APPLYING, SPRAYING AND FILLING APPLICATIONS

Reliable, accurate, automatic and repeatable: For precise material handling and exact compliance with the mixing ratio.

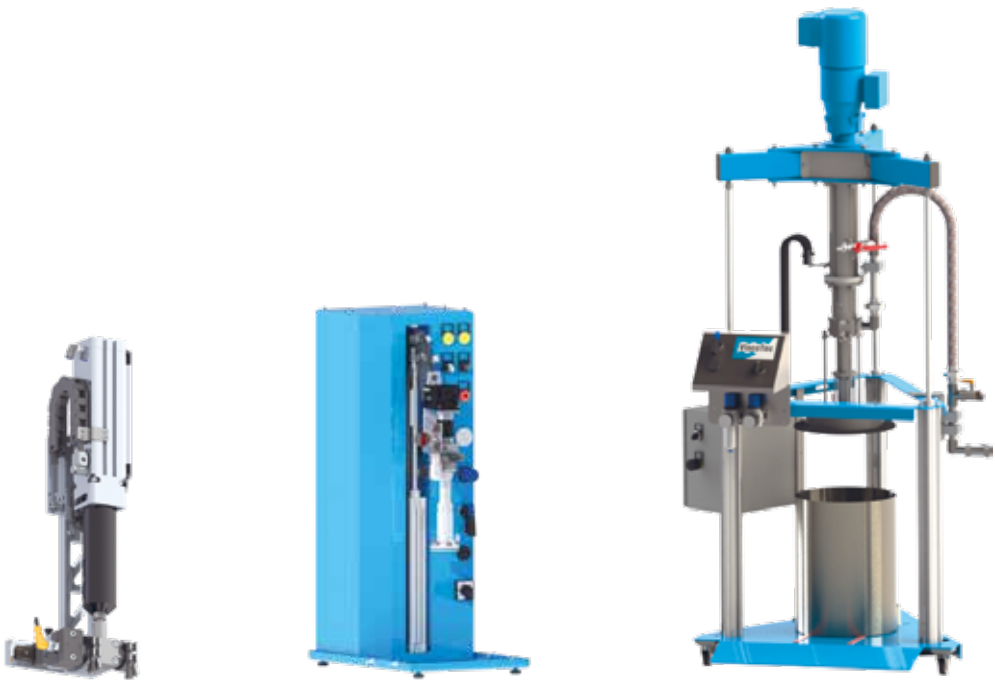
- Volume flow: From 0.1 ml/min – 20 l/min
- Min. dispensing quantity: 0.001 ml
- Mixing ratio: 1:1 to 100:1
- Areas of application: Application & implementation, filling, 2-component dispensing, process dosing, encapsulating, spraying, 3D printing



## MATERIAL EMPTYING SYSTEMS

Continuous and constant product supply for seamless production without interruption.

- Container volume: 30 ml – 1,000 l
- Feed capacity: Individually customizable
- Viscosities: Up to 7,000,000 mPas





MATERIAL TREATMENT SYSTEMS

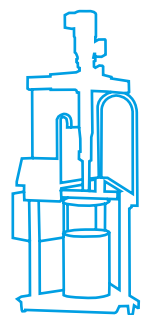
Homogeneous and air-free pastes and liquids for a reliable dispensing process.

Container sizes: 2.5 l / 3.5 l / 15 l / 25 l / 80 l  
Emptying capacity: Max. 810 ml/min  
Viscosities: Up to 2,000,000 mPas

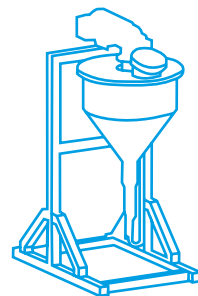


MODULAR SYSTEM

We adapt your system individually to your process and offer you additional engineering and consulting.



Material emptying



Material treatment



Dispensing





# OVERVIEW OF OUR FIELDS OF APPLICATION

The right dose for every industry – regardless of whether it's battery-powered e-mobility, the smallest bead application in electronics production or precise filling processes in the food or pharmaceutical industry.

With ViscoTec's systems based upon the endless piston principle, your viscous materials are treated and dispensed pulsation-free and with extremely low shear.

## GENERAL INDUSTRY

In addition to dosing components, we also offer complete solutions for applications in general industry that meet all process requirements. Our dosing systems can also be integrated into existing systems: For the encapsulating of connectors, for the bonding of casings and for the application of industrial adhesives.

## NEW ENERGY

ViscoTec is a strong partner in the production process of components and systems for new energies. Examples include sealant bead applications and potting applications in battery manufacturing or adhesive and potting applications in PV module manufacturing.

## PHARMA

For the pharmaceutical industry, regulations and standards must be adhered to and comprehensively guaranteed. With ViscoTec dosing systems, the filling of highly viscous, shear-sensitive semi-solids or the continuous, pulsation-free treatment of highly viscous pharmaceuticals can be carried out without difficulty.

## AEROSPACE

Thanks to the extremely gentle handling of the materials to be dispensed, even shear-sensitive and compressible materials are dosed reliably. Typical projects in this area are for example, the structural bonding of aircraft components, edge sealing, shimming, filling of honeycomb structures or the sealing of rivets and screws.

## COSMETICS

We can achieve the best results in cosmetics production with time, cost and staff savings. Individually planned emptying, filling and dosing systems enable simple and reliable production steps – from mascara filling, the dosing of cold gel to the emptying of lanolin (e.g. from industrial barrels).

## AUTOMOTIVE

With our systems, you can achieve highly precise results when applying adhesives (e.g. bead application), sealants, potting compounds or lubricants or for joining and sealing tasks, as well as casting or encapsulating individual components. In the automotive sector, our systems have been used for decades and provide optimum process reliability, as, for example, in loudspeaker bonding.

## FOOD

All of our food systems and filling facilities have been developed following common food industry guidelines (EHEDG, FDA). The main tasks of our systems are the filling of various liquids (for example ketchup, mustard, sauces, jam, honey, yoghurt, quark, liquid chocolate) as well as barrel emptying.

## 3D PRINTING

Our printheads, specially designed for 3D printing, are able to print lines with the highest precision. The implementation in industrial printers enables the processing of pasty materials. The printheads are suitable for 1-component and 2-component materials based on silicone, epoxy resin, acrylate and much more.

## ELECTRONICS

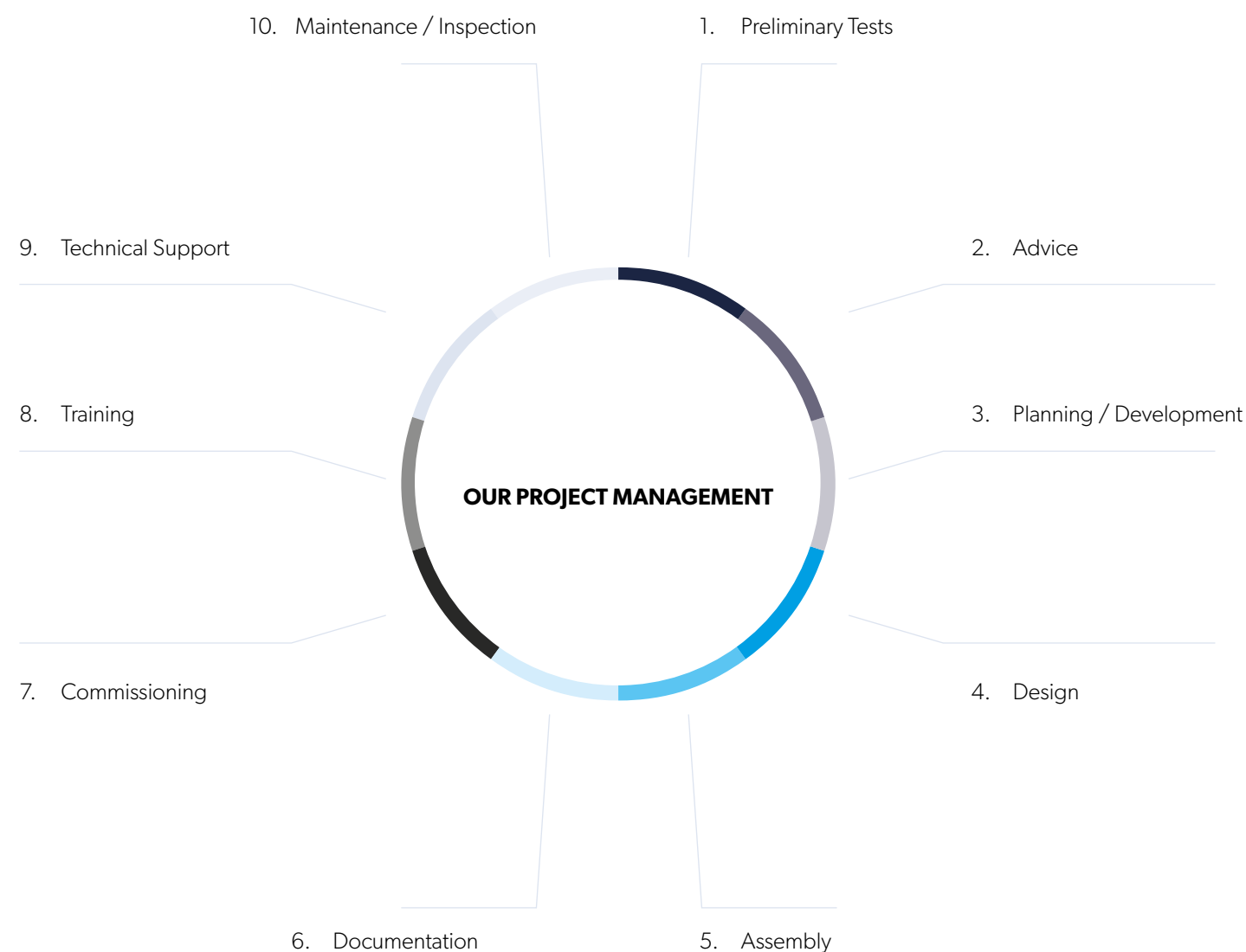
In electronics production, the highest precision and reliability are required of all components involved in the production process. Our systems are successfully used for conformal coating, dam & fill, glob top, bonding and underfill as well as for microdispensing.







## PLANNING & IMPLEMENTATION PROCESS



Every application requires individual attention. ViscoTec sees itself as a consultant and accompanies the idea far beyond the commissioning phase. Projects are optimally carried out when all process steps and the people involved in the process are well coordinated. Your needs as

a customer are always in the foreground. The first stages of the process are crucial and require special attention. Each process step is supervised and implemented by a team of experts. In permanent coordination with you, this creates an ideal solution for every challenge.



## AT A GLANCE – OUR COMMITMENT TO YOU



### MADE IN GERMANY

From the initial idea to the outgoing goods inspection: All process steps are worked out and implemented in Töging. Besides the quality feature, Made in Germany and the „Think global, act local“ approach, ViscoTec not only ensures the quality of the systems, but also optimum coordination and process reliability in all projects.



### ALL FROM ONE SOURCE

ViscoTec is a dynamic medium-sized company with over 250 employees worldwide. The perfect blend of many years of industry experience, system know-how, knowledge of materials and new promising ideas drives the company and creates the basis for finding the optimal solution for every application. As a one-stop-shop, ViscoTec enables a simple and fast implementation of an entire dispensing process.



### 20 YEARS EXPERIENCE

In 1997, ViscoTec developed itself from a department of Resch Maschinenbau GmbH. It started with 12 employees and only 3 million DM sales in the first year. But already in 2007 ViscoTec was able to record the sale of its 20,000 dispensers and as soon as 2015 30,000! Over the years, ViscoTec has founded ViscoTec America Inc.'s offices in Georgia (2009), ViscoTec Asia Pte Ltd. in Singapore (2011), ViscoTec Shanghai Ltd. in Shanghai (2013) and ViscoTec India Pvt. Ltd. in Pune (2017). In addition, a worldwide network of dealers has been set up, thereby driving forward internationalization.



# WORLDWIDE SERVICE

Our facilities are found in locations around the world. The quality feature, Made in Germany, is synonymous with a high quality standard and accordingly in great demand worldwide.

## GERMANY

ViscoTec Pumpen- u. Dosiertechnik GmbH  
Headquarter

## CHINA

ViscoTec Shanghai Ltd. / Greater China

## USA

ViscoTec America Inc.

## FRANCE

ViscoTec France SASU

## INDIA

ViscoTec India Pvt. Ltd.

## SINGAPORE

ViscoTec Asia Pte Ltd.

Headquarter

ViscoTec Offices

Sales Offices

Distributors



## WE LIVE SUSTAINABILITY & RESPONSIBILITY

### TREEFLOW

For every preeflow dispenser sold in 2017, we donated to Fairventures. As part of our “treeflow” project, we can – thanks to our customers – help improve the livelihood of the rural population of Borneo, an island in Southeast Asia, and protect rainforest resources. Our products make your production process safer and: safety creates trust. Your trust in us is our responsibility. But we have this responsibility not only to you, our customers, business partners and our employees, but also towards nature and the environment.



### DKMS

Every 15 minutes, a person in Germany is diagnosed with blood cancer. And each of us can help defeat this disease. We want to help offer blood cancer patients a real chance of recovery. ViscoTec’s Christmas donation of 2,000 € was donated to DKMS. But we are not only supporting the campaign financially – during an internal company registration campaign, many employees have decided to become stem cell donors.

„Open your mouth, chopsticks in, be a donor!“ – it’s that simple to become a lifesaver yourself!



### WELTKINDERLACHEN

For every preeflow dispenser sold in 2018 we are donating to the charity WeltKinderLachen®. This is a non-profit and charitable foundation that supports needy children who are dependent on outside help. Projects and plans in the local region of Altötting and Mühldorf are supported. All projects have the goal that every child can be proud of his own successes – in his free time and at school.



### STERNSTUNDEN E.V.

For 25 years the organisation has not only been helping sick, disabled and underprivileged children in Germany, but also worldwide. Over the years, Sternstunden has been able to raise over 235 million Euros in donations. We are proud that ViscoTec Pumpen- u. Dosiertechnik GmbH has contributed to this and helped children in need. As part of a Christmas campaign organised by our trainees, several slices of cake were sold within the company. The management generously doubled the proceeds, which were donated to this worthy cause.







## OUR COMMITMENT TO OUR EMPLOYEES

### COMPANY HEALTH INSURANCE:

Health support – is more than a workplace that is kind to your back. We offer our employees a company health insurance for even better health care.

### PAYMENT OF DAYCARE AND KINDERGARTEN FEES:

The new generation is our future – ViscoTec is also convinced of this. For this reason, we pay the full daycare and Kindergarten fees for the children of our employees.

### WORKING HOURS:

There is no fixed working time at ViscoTec. In addition, we enable mobile working environment - in all areas where it makes practical sense and is feasible. This is intended to achieve better flexibility of the workforce. At the same time, personal demands and habits of employees are taken into account. The aim is to reduce overtime to a minimum.

### COMPANY PENSION SCHEME:

A carefree future for our employees – a direct insurance policy is taken out for every employee to provide for their old age.

### HEALTH PROMOTION:

A healthy, fit and balanced workforce is essential for a successful company. We sponsor staff membership in a fitness studio and participation in various sporting activities. Joint sports activities promote not only the health but also the team building of our staff.



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