



# 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

The willingness to work for the needs and desires of our customers and workforce, a structured brand management and intensive development work - this is what ViscoTec stands for. And it is these very principles that have made the company what it is today.

We proudly look back on more than 20 years of success. For the future, too, we have the incentive to become even better, step-by-step, and to develop the company sustainably in the long-term.

### OUR VISION

Sustainable, profitable growth through new customer acquisition and the long-term loyalty of existing customers.



Every day we work to gain the trust of our customers, to cultivate relationships and, above all, to maintain them permanently.

CEO: [Georg Senftl](#)

An innovative and trusting working environment is the foundation for new ideas. Growth is a by-product of this.

CEO: [Martin Stadler](#)



## THE COMPANY – A DYNAMIC DEVELOPMENT

### THEN AND TODAY

„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 a product, towards a solution for the system“. ViscoTec's breakthrough into the world market was achieved with the decision to produce its own stators and rotors. The dosing technology specialists are represented internationally today with subsidiaries in Asia, China, India and the USA.

Today ViscoTec stands for precise dispensing through technology and dedication.

### 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.

### OUR MISSION – WE:

- established the endless piston principle for more precision.
- offer to the dosing world the best technology.
- challenge existing products to add value.
- think limitlessly and create solutions for the success of our customers.



# 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 comprehensibly 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.







## 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 of  $\pm 1\%$  resulting in 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

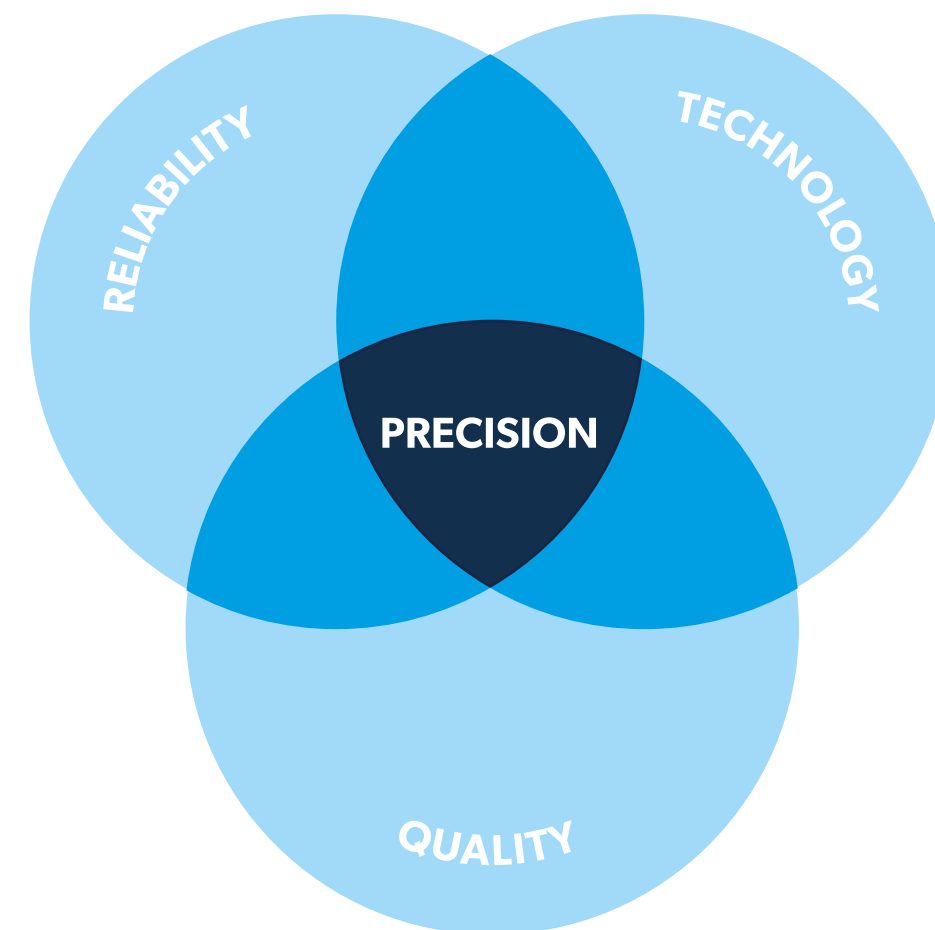
Volumetric dispensing and filling systems are based on the **ENDLESS PISTON PRINCIPLE** and are used for low to high viscosity fluids.

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.



## OUR BRAND VALUES



### BRAND ESSENCE: PRECISION

Our aim is to achieve the highest precision.

### BRAND VALUE 1: RELIABILITY

Our products stand for process-reliability. We are also a reliable partner and employer.

### BRAND VALUE 2: TECHNOLOGY

Our technology is the foundation for high quality products.

### BRAND VALUE 3: QUALITY

The quality of our products is reflected in results that impress by their precision.



# 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

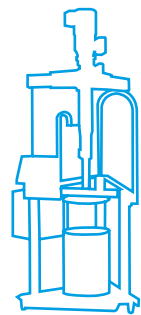
Homogeneous and air-free pastes and liquids for a reliable dispensing process.

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

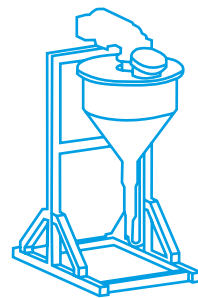


MODULAR SYSTEM

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



Material emptying



Material treatment



Dispensing







## 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.



## 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

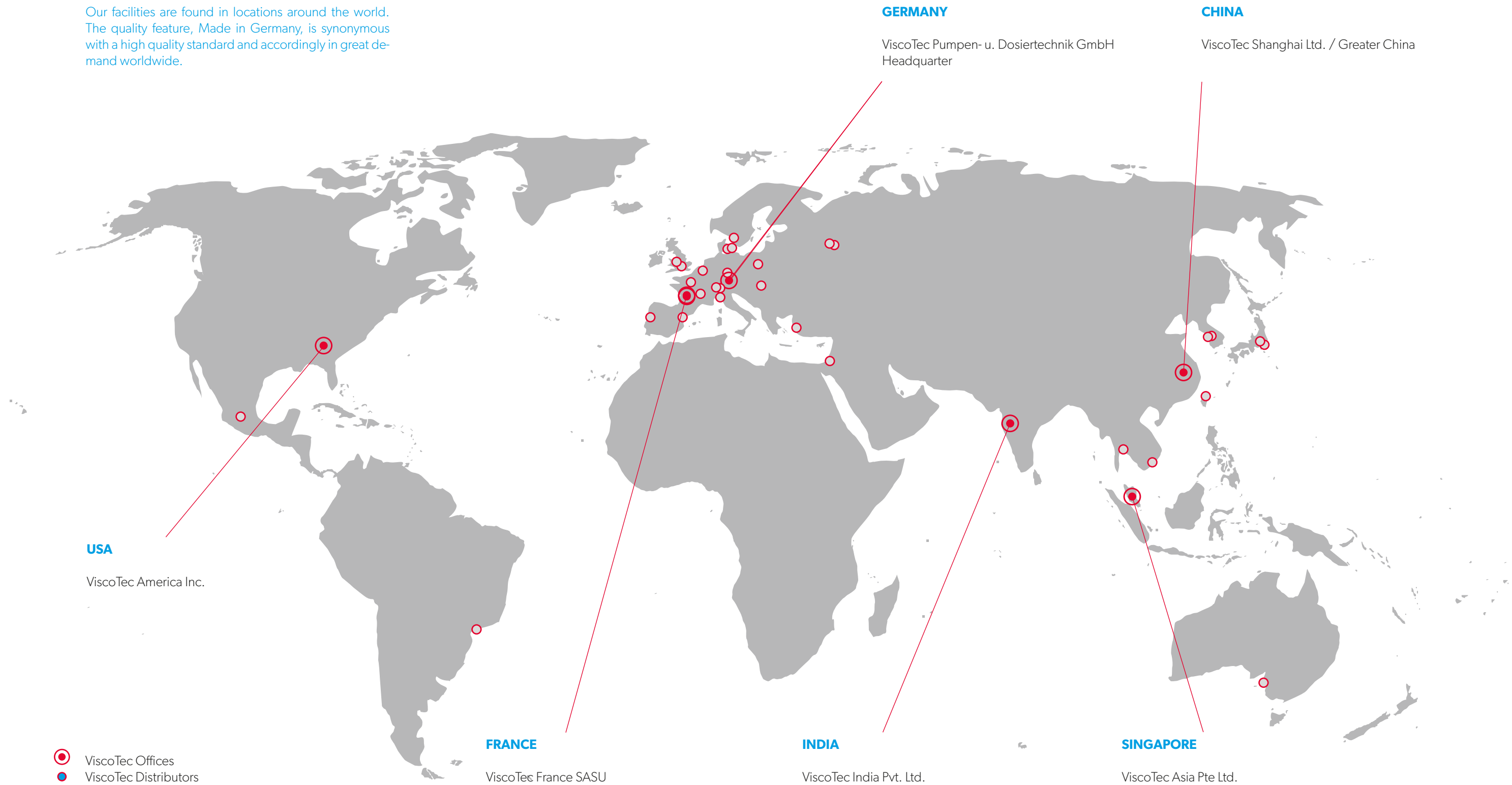
a customer are always in the foreground. The first stages of the process are crucial and require special attention. Each process step is supervised and implemented by a team of experts. In permanent coordination with you, this creates an ideal solution for every challenge.





# 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.





## OUR PLEDGE



### RESPONSIBLE INSTEAD OF CONSCIENCELESS

We plan for the long term and act in the interests of the entire company. We take responsibility for our projects as well as for our employees – but also for our environment. We make purposeful use of the given resources.



### CUSTOMER-ORIENTATED INSTEAD OF SELF-FOCUSED

We work hard to gain and maintain the trust of our customers. We provide solutions that are tailored to your requirements, your industry and the respective material.



### COURAGEOUS INSTEAD FEARFUL

Our motto is: „Standing still means taking a step backwards – only those who move, move forward“. That is why we give free reign to our creativity and ingenuity day after day. This is how we succeed in driving our innovations forward. This is how many of our international patents are created.



### PROMOTE INSTEAD OF OBSTRUCTING

We never stop learning and always want to improve. We are working consistently to consolidate our position as a leading company in dosing technology.



### OPEN-MINDED INSTEAD OF NARROW-MINDED

Only those who think big can achieve great things. That's why we develop and communicate a bold vision and inspire great results so that we can deliver the best solutions.



### PERSEVERE INSTEAD OF GIVING UP

Quality instead of quantity - we work according to this principle. From customer service to the production of our systems. More important than the quality feature, Made in Germany, is to meet the requirements and expectations and to deliver a high-quality product according to the needs.



# WE ARE COMMITTED TO SUSTAINABILITY AND 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.

## **FLEXI-TIME WORKING HOURS FOR EMPLOYEES AND WORKERS:**

The aim of the working time regulations is to achieve greater flexibility in working capacity. At the same time, the personal requirements and habits of employees are to be taken into consideration. The aim is to reduce over-time 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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