

**The brand preeflow<sup>®</sup>**  
Microdispensing in perfection!

# The brand with the systematic approach.

Microdispensing  
in perfection!

preeflow<sup>®</sup> ensures precise, purely volumetric dosing of liquids in smallest quantities.

Thanks to 20 years of know-how around dispensing of liquids the brand preeflow<sup>®</sup> was born in 2008.

preeflow<sup>®</sup> products are appreciated worldwide, last but not least because of the unique quality – Made in Germany.

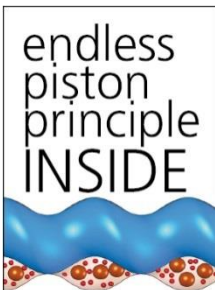
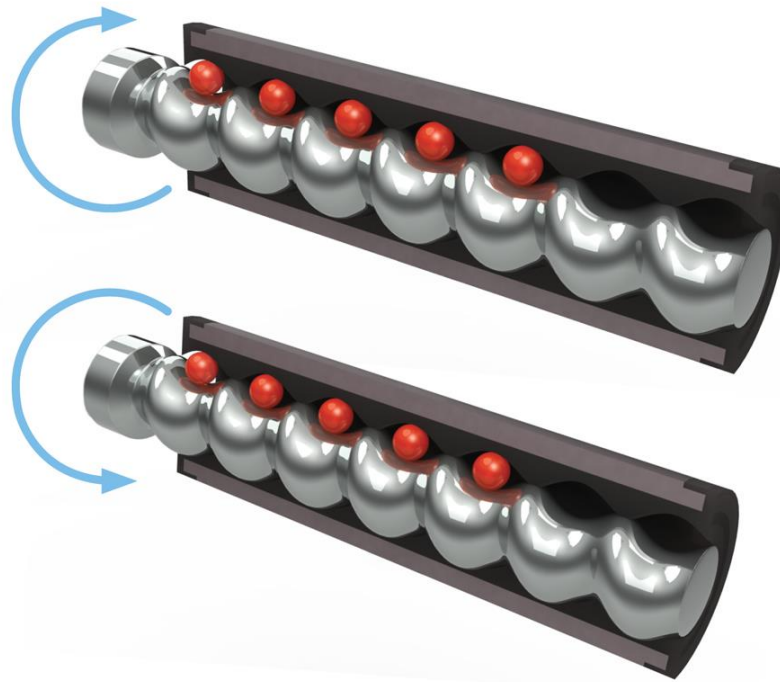
Our slogan small, precise, economical is our daily motivation and ambition to be better.

Microdispensing  
in perfection!

# Technology

## Endless piston principle

The dosing principle of preeflow<sup>®</sup> Dispenser is an endless piston dispenser.



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# Technology

## Endless piston principle

This special dosing geometry allows an endless and pulsation free dosing flow. The possibility of reversing the dosing flow (suckback) will prevent from dripping and leads to a perfect control of media stringing or dripping.

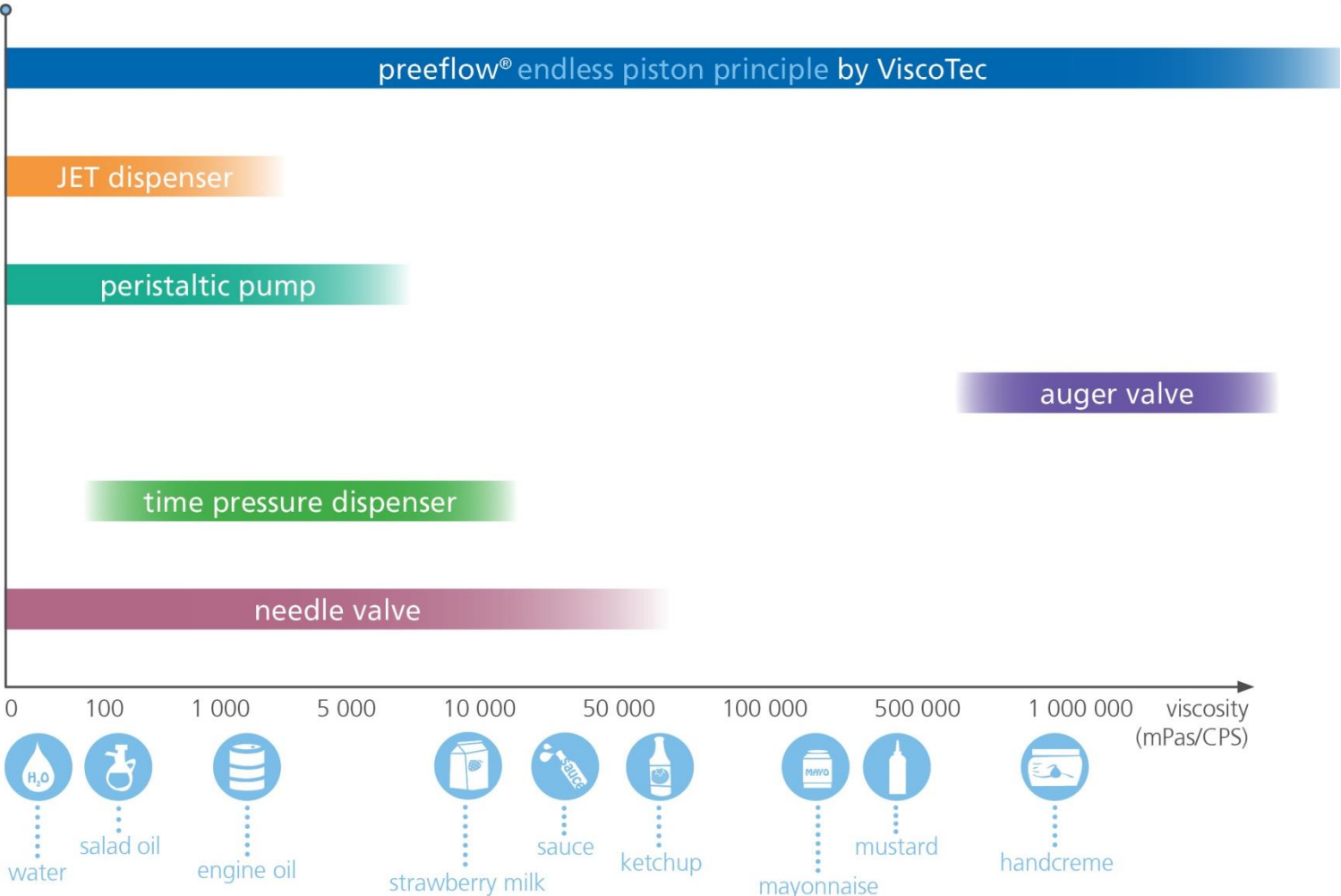
**Therefore, it is: many tasks – one principle!**

preeflow<sup>®</sup> one for all – conformal coating, sealing, bonding, micro dot, dam & fill, underfill, glob top.

Microdispensing  
in perfection!

# Technology

## Dosing technologies in use



# Benefits

Microdispensing  
in perfection!

Our vision –  
always a  
step ahead

More than  
20 years  
dispensing  
experience

Very easy  
handling

100 %  
dosing  
technology

Worldwide  
24/7  
support



We focus  
on your  
solution

# Benefits

Microdispensing  
in perfection!

Max.  
particle  
size  
1 mm

Independent  
of pressure,  
temperature  
and time

Bead  
factor  
< 2 %

Liquids  
containing  
fillers

Reversible  
material  
flow

Endless  
piston  
principle  
inside

Rapid  
dosing

Very wide  
viscosity  
range

No stringing  
Nor dripping

High  
repeatability  
more than  
99 %

Pulsation  
free

Easy to  
integrate in  
machines

# Benefits

Gentle  
product  
handling

Pure  
volumetric  
dosing

Pressure  
stable

Self sealing  
displacement  
system

Exact  
volume  
control

Short and  
easily  
accessible  
fluid path

Watery to  
high viscous  
liquids

Reproducible  
results

Microdispensing  
in perfection!



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# Applications

## Fields of applications

- Optics & Photonics
- Biochemistry
- Photovoltaics
- SMD / SMT
- Semiconductor manufacturing
- Medical Technology
- LCD / LED
- Laboratories
- Electronic components



Microdispensing  
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# Applications

## Examples of materials

Industrial oils

Heat curing

Thermal conductive paste

PU

Epoxy resin

Biotechnical suspensions

2K epoxy

grease

MEK

High fill fluids

Brazing paste

anaerobic

Elektrolytical solutions

UV & light curing

gasoline

RTV rubbers

1K epoxy

Isopropanol

Thermal grease

Solder paste

Cosmetics & medicines

Paints & inks

toluene

Shear-sensitive adhesives

perfume

Flux

Dichtstoffe

Sealing agents

acetone

LED resins

silicones

flavours

alcohol

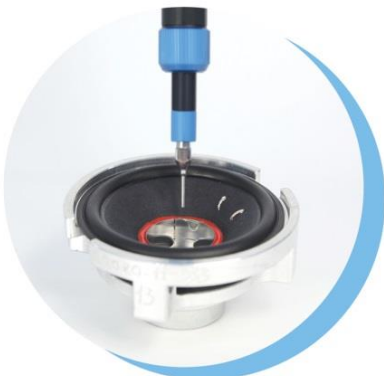
Microdispensing  
in perfection!

# Applications

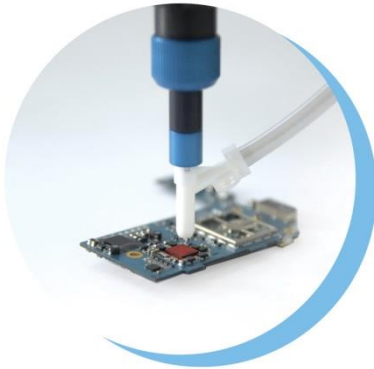
## Applications in focus



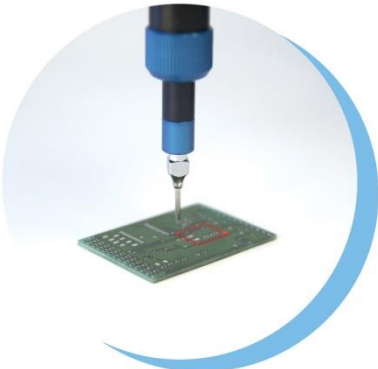
Optical Bonding



Bonding



Conformal Coating

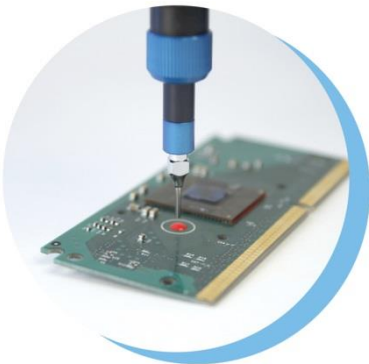


Dam & Fill

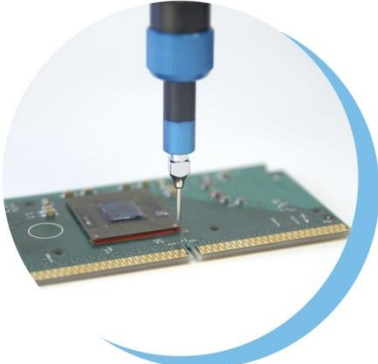
Microdispensing  
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# Applications

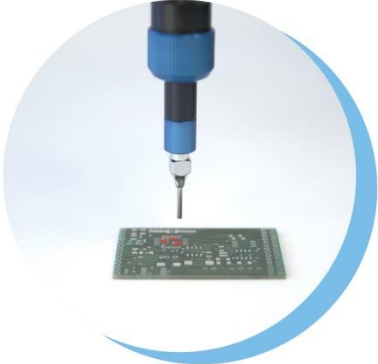
## Applications in focus



Glob Top



Underfill



Micro Dispensing



Encapsulating

# Products

## 1K Dispenser eco-PEN series

Microdispensing  
in perfection!

### eco-PEN300

Min. dosing  
quantity

0.001 ml

Volume flow

0.12 – 1.48 ml/min.

weight

approx. 380 g



# Products

## 1K Dispenser eco-PEN series

Microdispensing  
in perfection!

### eco-PEN450

Min. dosing  
quantity

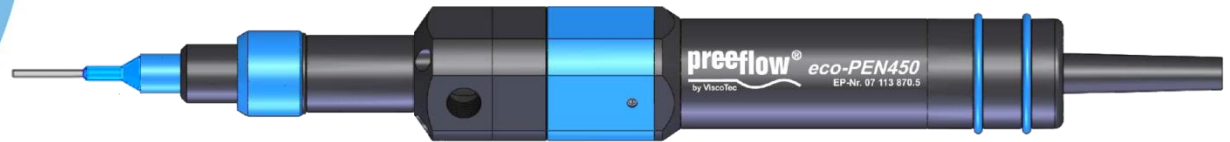
0.004 ml

Volume flow

0.5 – 6.0 ml/min.

weight

approx. 410 g



# Products

## 1K Dispenser eco-PEN series

Microdispensing  
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### eco-PEN600

Min. dosing  
quantity  
0.015 ml

Volume flow

1.4 – 16.0 ml/min.

weight

approx. 750 g



# Products

## 1K Dispenser eco-PEN series

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eco-PEN700<sup>3D</sup>

Min. dosing  
quantity

0.060 ml

Volume flow

5.3 – 60.0 ml/min.

weight

approx. 750 g





# Products

## 2K Dispenser eco-DUO series

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in perfection!

### eco-DUO450

Min. dosing  
quantity  
0.010 ml

Volume flow  
0.2 – 12.0 ml/min.  
weight  
approx. 1,100 g



# Products

## 2K Dispenser eco-DUO series

Microdispensing  
in perfection!

eco-DUO600

Min. dosing  
quantity

0.030 ml

Volume flow

0.6 – 32.0 ml/min.

weight

approx. 1,600 g



NEW!

# Products

## Controllers eco-CONTROL

Microdispensing  
in perfection!



eco-CONTROL  
EC200-K

For precision  
volume dosing devices  
of eco-PEN series



eco-CONTROL  
EC200-DUO

For 2-component  
dispensing tasks of  
eco-DUO series

# Specialized local dealer

Microdispensing  
in perfection!



**e**asy dosing technology

**e**asy handling, easy dispensing

**e**xact, precise dosing

**e**ffective dosing

**e**conomic, saves up to 30% of the medium

Weitere Infos: [www.preeflow.com](http://www.preeflow.com)

Specialized dealer:

Text

## THE ORIGINAL!