

The brand preeflow[®]
Microdispensing in perfection!

The brand with the systematic approach.

Microdispensing
in perfection!

preeflow[®] ensures precise, purely volumetric dosing of liquids in smallest quantities.

Thanks to 20 years of know-how around dispensing of liquids the brand preeflow[®] was born in 2008.

preeflow[®] products are appreciated worldwide, last but not least because of the unique quality – Made in Germany.

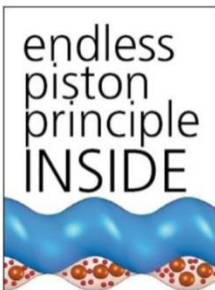
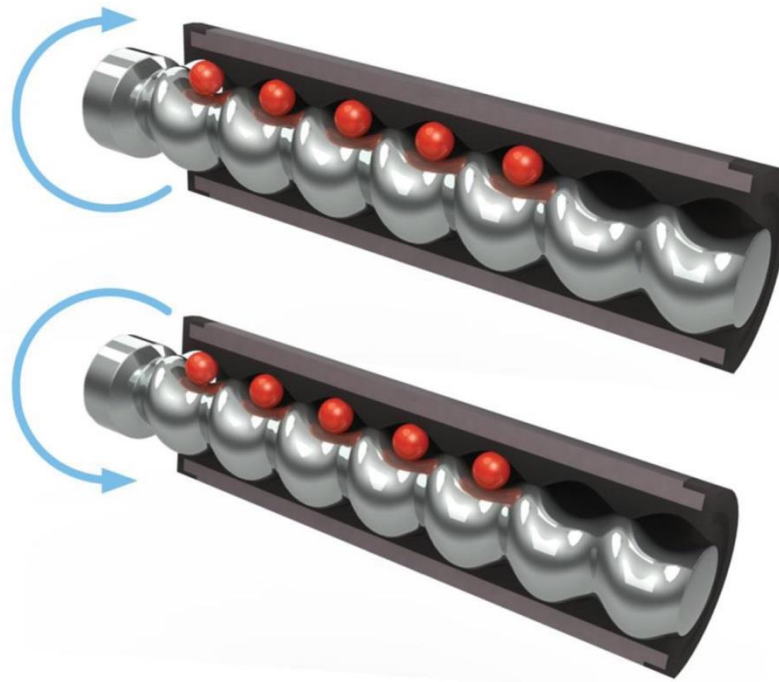
Our slogan small, precise, economical is our daily motivation and ambition to be better.

Microdispensing
in perfection!

Technology

Endless piston principle

The dosing principle of preeflow[®] Dispenser is an endless piston dispenser.



Microdispensing
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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.

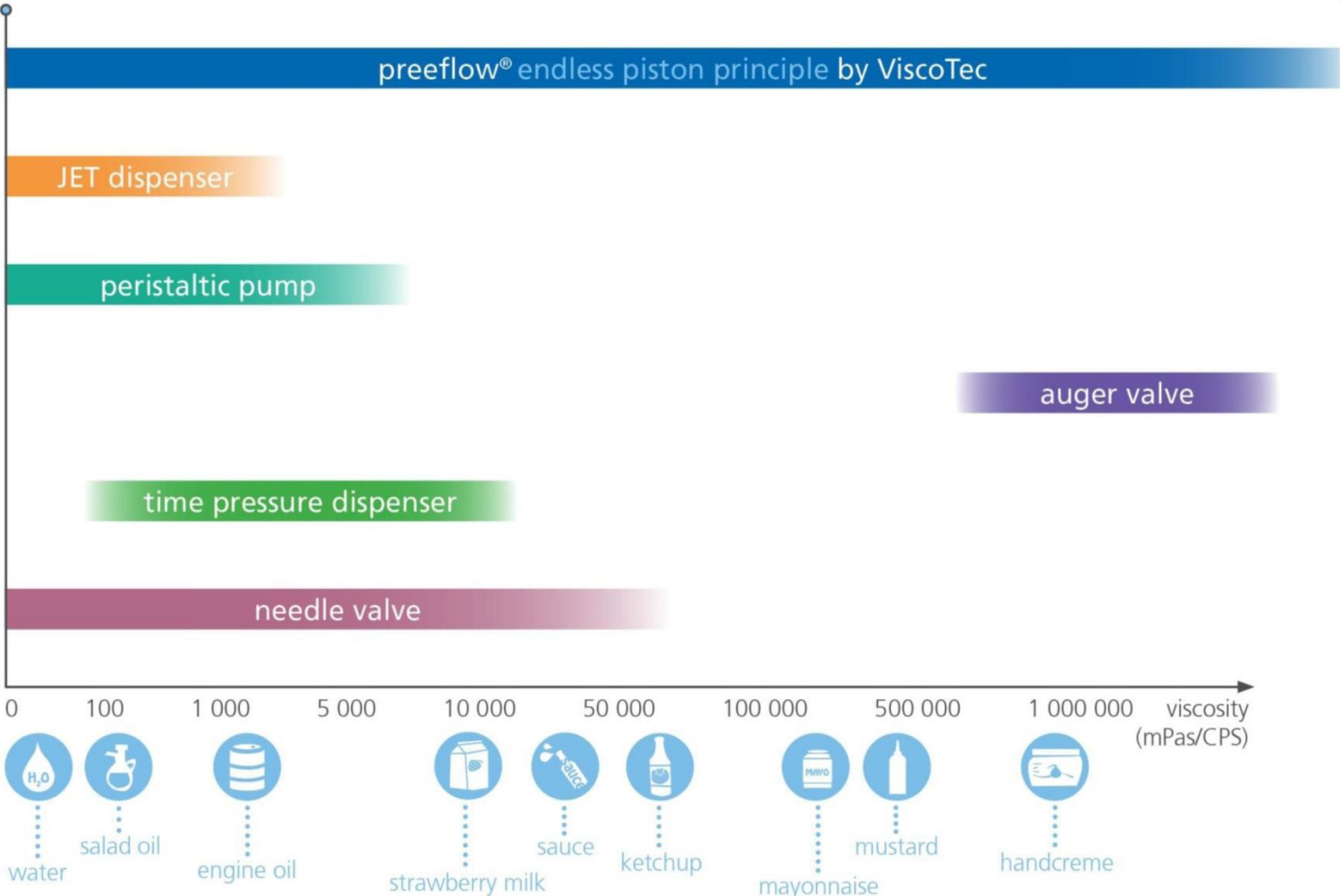
Therefore, it is: many tasks – one principle!

preeflow[®] 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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in perfection!

Applications

Fields of applications

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



Microdispensing
in perfection!

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

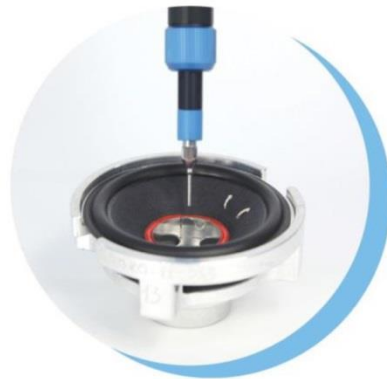
Applications

Applications in focus

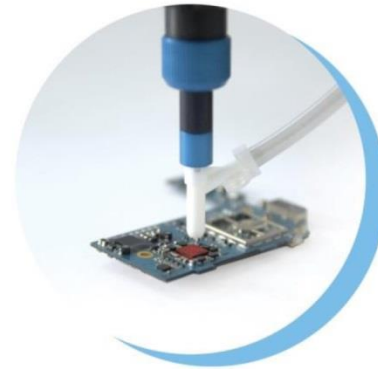
Microdispensing
in perfection!



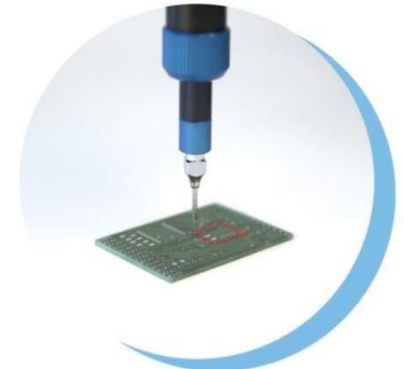
Optical Bonding



Bonding



Conformal Coating

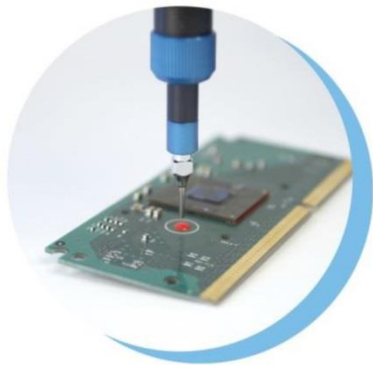


Dam & Fill

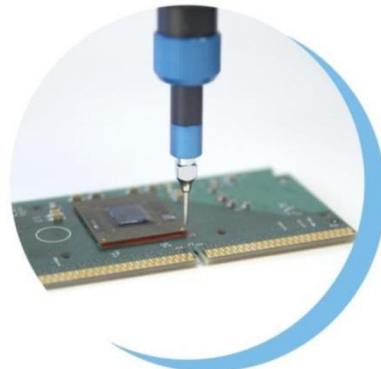
Applications

Applications in focus

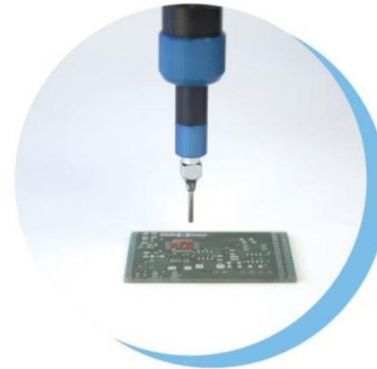
Microdispensing
in perfection!



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

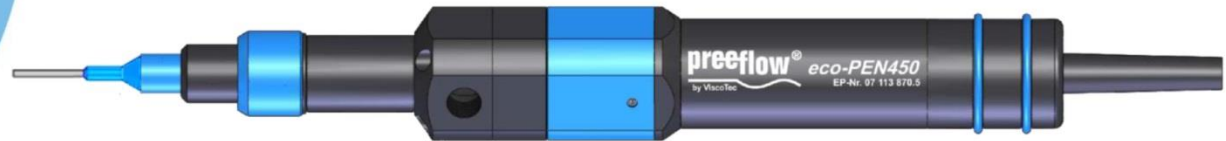
0.004 ml

Volume flow

0.5 – 6.0 ml/min.

weight

approx. 410 g



Products

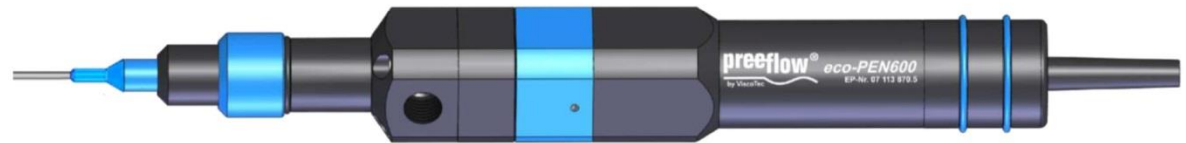
1K Dispenser eco-PEN series

Microdispensing
in perfection!

eco-PEN600

Min. dosing
quantity
0.015 ml

Volume flow
1.4 – 16.0 ml/min.
weight
approx. 750 g



Products

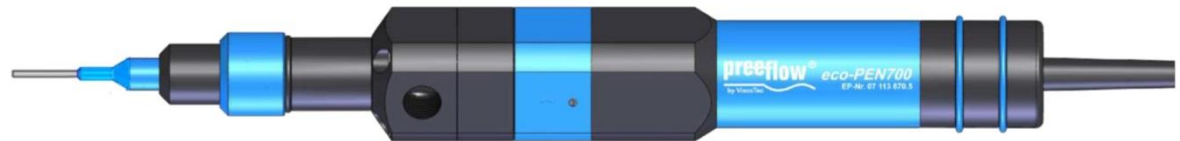
1K Dispenser eco-PEN series

Microdispensing
in perfection!

eco-PEN700^{3D}

Min. dosing
quantity
0.060 ml

Volume flow
5.3 – 60.0 ml/min.
weight
approx. 750 g



Products

2K Dispenser eco-DUO series

Microdispensing
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!

preeflow[®]
by ViscoTec

easy dosing technology

easy handling, easy dispensing

exact, precise dosing

effective dosing

economic, saves up to 30% of the medium

Weitere Infos: www.preeflow.com

THE ORIGINAL!

Specialized Distributor:

VEX Technologies Inc.

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Yongtonggu, Suwon-si, KOREA

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