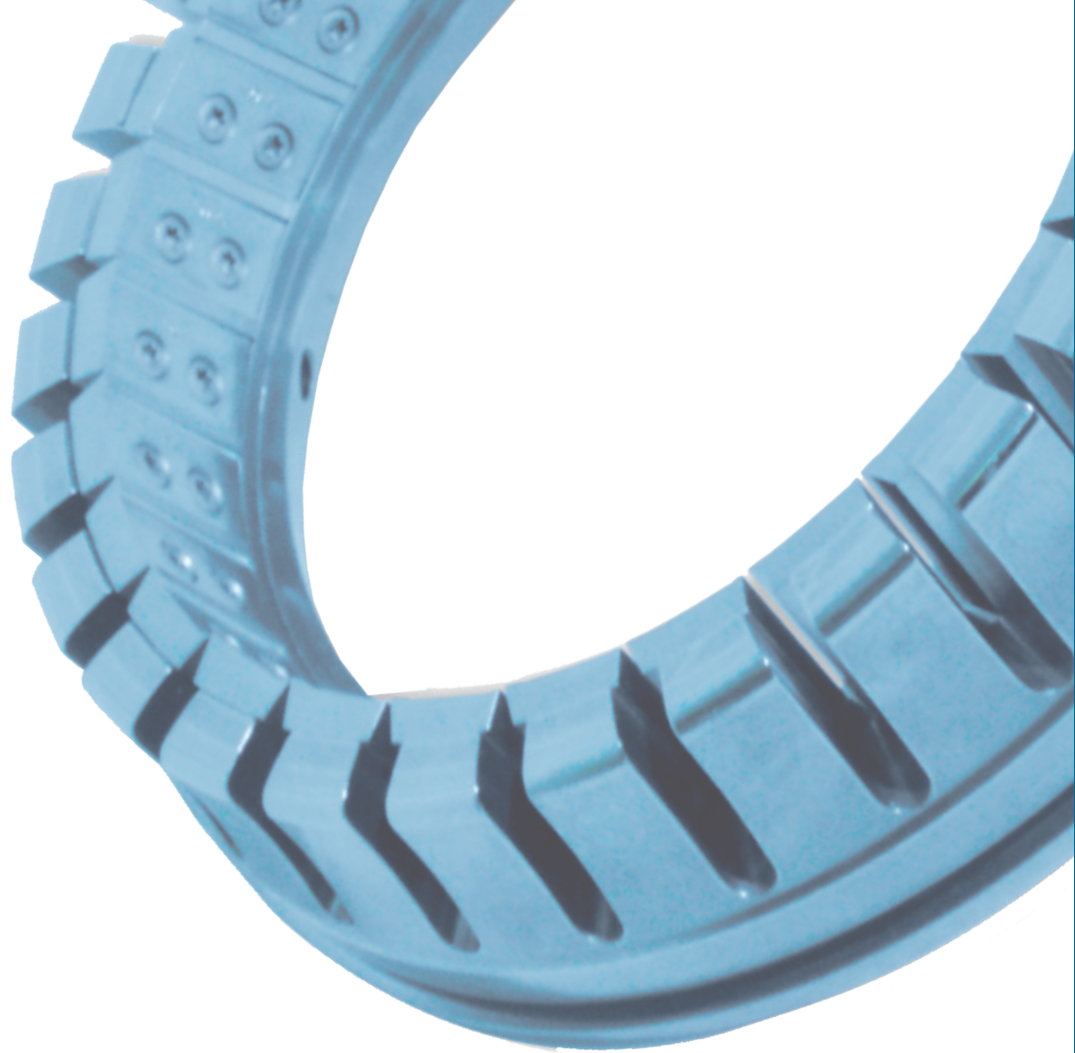




**CUTTING SYSTEMS FOR
EMULSIFYING MACHINE**

MICRO-CUT-SYSTEMS



ABOUT US PVS SYSTEMTECHNIK

PVS is specialised on micro-cut-machines / emulsifying machines and its cutting tools.

The focus is on the production of cutting tools, which is realized from the first until the last step in Germany. For more than half a decade, PVS further develops and builds emulsifying machines. These cutting tools, new and used micro-cutters and any accessories, such as conveyor discs, sealings and cutting housings, are distributed worldwide to various industries.

PVS is anxious to continually improve the well-tried system of the micro-cutters and thus to develop innovative cutting systems of the new generation.

The customers of PVS Systemtechnologie GmbH can assume a comprehensive guidance and technological support in the use of emulsifying machines. The trained employees are pleased to go along with the sample productions for the improvement of intricacies, colours and the stability of the final product.

MICRO-CUT MACHINES

The PVS-micro-cut cutting system

works absolutely contactless, without metallic abrasion, according the rotor-stator-principle. The cutting tools, made of high quality chromium-nickel steel, are equipped with special cutting inserts for high throughput performance.

Flexible in use

PVS micro-cut emulsifiers of the PVS 125 – 180 series in the various model series (V / H / HD / HI) are used among others:

- for the efficient production of sausage products such as: boiled sausage meat, cooked sausage masses or rind emulsions
- for emulsifying and homogenizing sauces and soups
- for crushing pesto, garlic etc.

PVS-MICRO-CUT SYSTEMS

PVS 125 (PRODUCT-DEPENDENT PERFORMANCE: OF UP TO 800 KG/H)

PVS 150 (PRODUCT-DEPENDENT PERFORMANCE: OF UP TO 3500 KG/H)

PVS 180 (PRODUCT-DEPENDENT PERFORMANCE: OF UP TO 5000 KG/H)



All machines are available as

- V = vertical
- H = horizontal
- HD = horizontal double cut
- HI = horizontal inline

Picture selection (different machines in our offer)

COMPACT AND EFFECTIVE

The PVS micro-cut systems in practice

The micro-cut H-models are equipped with a single-cutting set and the micro-cut HD-models with a double-cutting set – as emulsifying machines, they are therefore well appointed for high performances and best product results. With a single-cutting set it is possible to reach performances of up to 800 kg/h, with a double-cutting set even up to 6500 kg/h. All machines are also available as “inliner”.

As they are compact and easy transportable, our machines allow a maximum of flexibility. The handling is completed by the easy cleaning as well as a completely welded machine body, which ensures optimal hygiene.

FUNCTIONALITY OF THE MACHINE

The product that has to be processed is coarsely crushed and mixed, added manually or by an upstream system in the hopper and supplied into the cutting system by turning the auger / conveyor disc. In the PVS cut 125 HI-version, the product is fed through a pipe system instead of through the hopper.

A replenishment is dropped by the rotational movement of the conveying tool. The cutting system creates a negative pressure in pasty products, which feeds-in the product. In the vertical machines, the product is fed through the weight load of the tool. After shredding, the product is supplied into a suitable container through the leaking pipe or the wide outlet chute (vertical version).

The PVS cutting system enables cutting quantities without replacement or sharpening of the inserts from 600t to 1200t (depending on the product).



MICRO-CUT TECHNIAL DATA

Rotational speed:	3000 U/min
Motor power:	ab 15 kW - 90 kW
Throughput max.:	bis 6500 kg/h (depending on machine and product)
Weight:	ca. 240 kg - 1200 kg
Space requirement:	from approx. 1750 x 950 x 750 mm (L x W x H) depending on the series

Convince yourself!

Please arrange a personal, non-binding consultation!

PVS Systemtechnik GmbH
Zum Hafen 4a | 21423 Winsen / Tönninghausen
Telephone: 0049 (0) 4179 - 75 07 11 | Telefax: 0049 (0) 4179 - 75 05 270
E-Mail: info@pvs-micro-cut.de



PVS-MICRO-CUT SYSTEMS

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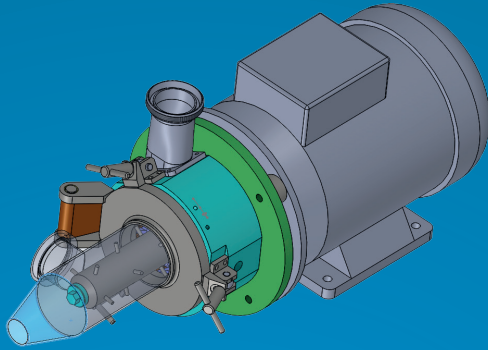
PVS HIGH PERFORMANCE CUTTING SYSTEM

The cutting ring is the second component of the cutting system. It is inserted into the cutting housing, in it sits the cutting head, which rotates and thus cuts and / or emulsifies the product conveyed by a conveyor disk or screw conveyor.

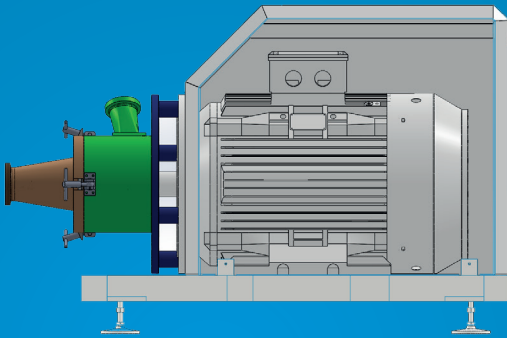
The cutting works according to the shear cutting system. The two cutting tools work without contact, thus no metal abrasion occurs, which is e. g. essential in the baby food industry.

Cutting rings are available with different gap dimensions. The size of the cutting gap in the cutting rings determines the fineness of the processed product. Customers can choose from a gap of 0,2 mm up to a standard gap of 0,3 mm. In addition, on customer request, special gap dimensions can be manufactured without very long delivery time.

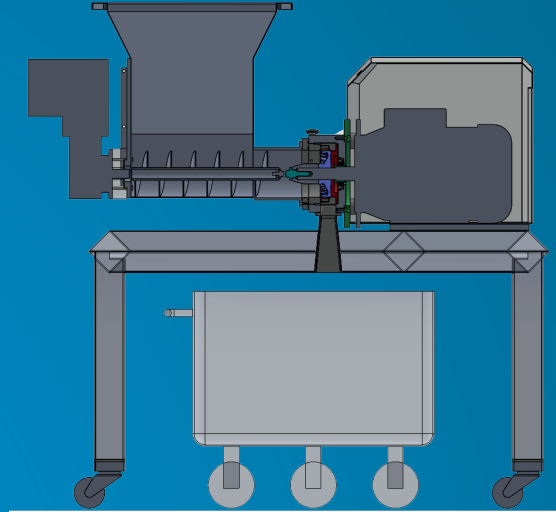
Special model with pre-mixing chamber:



Cross section of a PVS 180 HDi inliner



PVS 150 Hu with feeder screw and product outlet below for high-viscosity products and very low humidity products



CONTACT

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