

Personal and entrepreneurial conditions

Pumpsystems GmbH combines an engineering company and a production site with a 40 employees strong high motivated team of engineers, technicians, material purchase experts and CNC operators.

Individual constructions and technical modifications for existing machines and plants we realize in shortest time.

Our Management Board members Ulrich Hofmann, Manfred Lang and Martin Pechtold have long-term expertise and experiences in the mechanical and plant engineering. This is the base for the great success of the Pumpsystems GmbH.

Due to these tight network with the mechanical engineering and plant industry we are always up to date regarding the knowledge about new trends and technologies. We collect, evaluate and use these lessons learned for our pump technology.



For further informations please visit

www.pumpsystems.de

There is anything missing? Let´s talk about.
Together we will find your solution.

Contact

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Communication

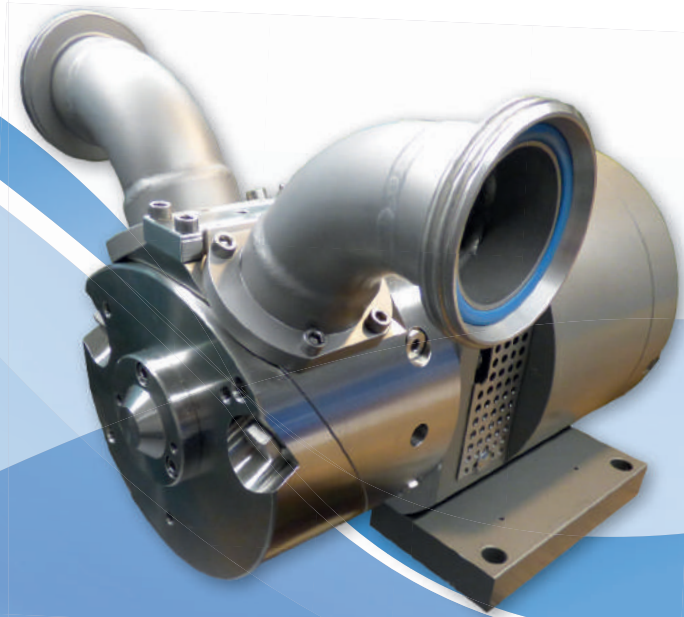
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 **Pumpsystems** GmbH
engineering and technology

The Wobble Plate Pump



...sets new standards

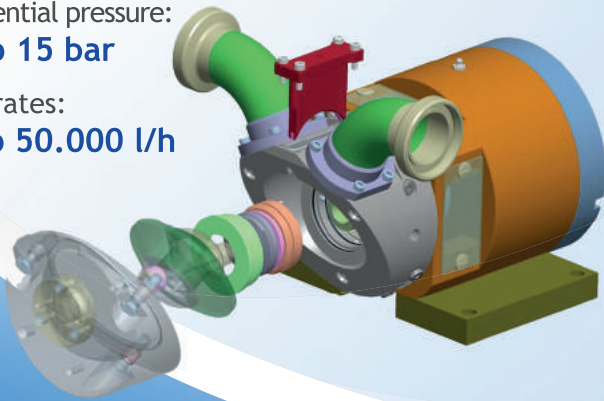
for safe and gently conveying of sophisticated mediums

New Pump Technology

Viscosities: **up to 500.000 mPa·s**

Differential pressure:
up to 15 bar

Flow rates:
up to 50.000 l/h



Target groups and markets

Pumpsystems customers are working in the food and cosmetics industries, in the mechanical engineering and the chemical industry. In these fields are particularly high demands for gently conveying of viscid products and products with solids.

Our customers set highest priority to individual consulting and support for their conveying task. Pumpsystems GmbH offers the complete process: from R&D and construction work up to processing and assembly.

Typical application examples:

- Paints and lacquers industry**
 - conveying and filling of raw materials (solvents, resins, oils, binders)
 - emptying of tanks, IBC containers
 - feeding of rollers and bead mills
- Sealant and adhesives**
 - conveying of raw materials (solvents, resins, detergents)
 - filling devices for barrels, cans, cartridges
- Pharmaceutical and cosmetics industry**
 - conveying of raw materials, filling of pastes and ointments
- Basic chemical industry**
 - conveying of raw materials (solvents, resins, detergents)
 - emptying of IBC containers
- Sugar, chocolate industry and related sectors**
 - conveying of liquid sugar, molasses, dissolved sugar, Isomalt
 - chocolate, creams, pastes, lecithin
- Dairy and bakery industry**
 - yoghurt, quark, cheese
 - conveying of doughs, liquid yeast, fillings, deep-fry sludge
- Brewing and beverage industry**
 - fruit concentrate, mash, brew
- Mineral oil industry, tar chemistry**
 - high viscid oils, silicon oil, greases, filled bitumen



Advantages:

The use of the wobble plate pump offers you the advantages as follows:

- Product gently, low shear conveying**
 - for sophisticated mediums and high viscid products
 - for mediums filled with solids
- High suction performance**
 - self-priming and volume accuracy conveying with low pulsation
 - good flow control and dosing function
- Compact pump design**
 - at high specific flow rates
 - optional horizontal/vertical design
- Easy and efficient cleaning**
 - by drain and rinse nozzles, CIP able
 - easy accessible pump chamber
- Reversal conveying direction**
 - by changing the turning direction without power loss
- Heatable and coolable pump head**
 - optional electrically or by fluid, like oil or water
- Only one shaft seal**
 - diverse sealing variants due to modular design
 - optional all known sealing systems applicable without reconstruction
- Easy and low cost wearing parts**
 - quick replaceable, also in installed state of the pump
- Optional installation position**
- High efficient in comparison with other pumps**

Gentle conveying

The Wobble Plate Pump is particularly suitable for conveying of viscid, sophisticated, foaming or abrasive media.

The oscillating technology of the wobble plate ensures, that the medium and content solids will be gently moved without crushing or shearing through the pump chamber to the pressure side.

The sealing unit can be exchanged in less than 10 minutes in completely installed state of the pump.

The spherical, smooth surfaces, the easy accessible pump chamber (CIP compatible) as well as the configuration with additionally rinse and drain nozzles minimise the cleaning activities for the critical areas.

The heatable and coolable pump head regulates the production temperature during the conveying.