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PUMPSEEN

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PUMPSEEN

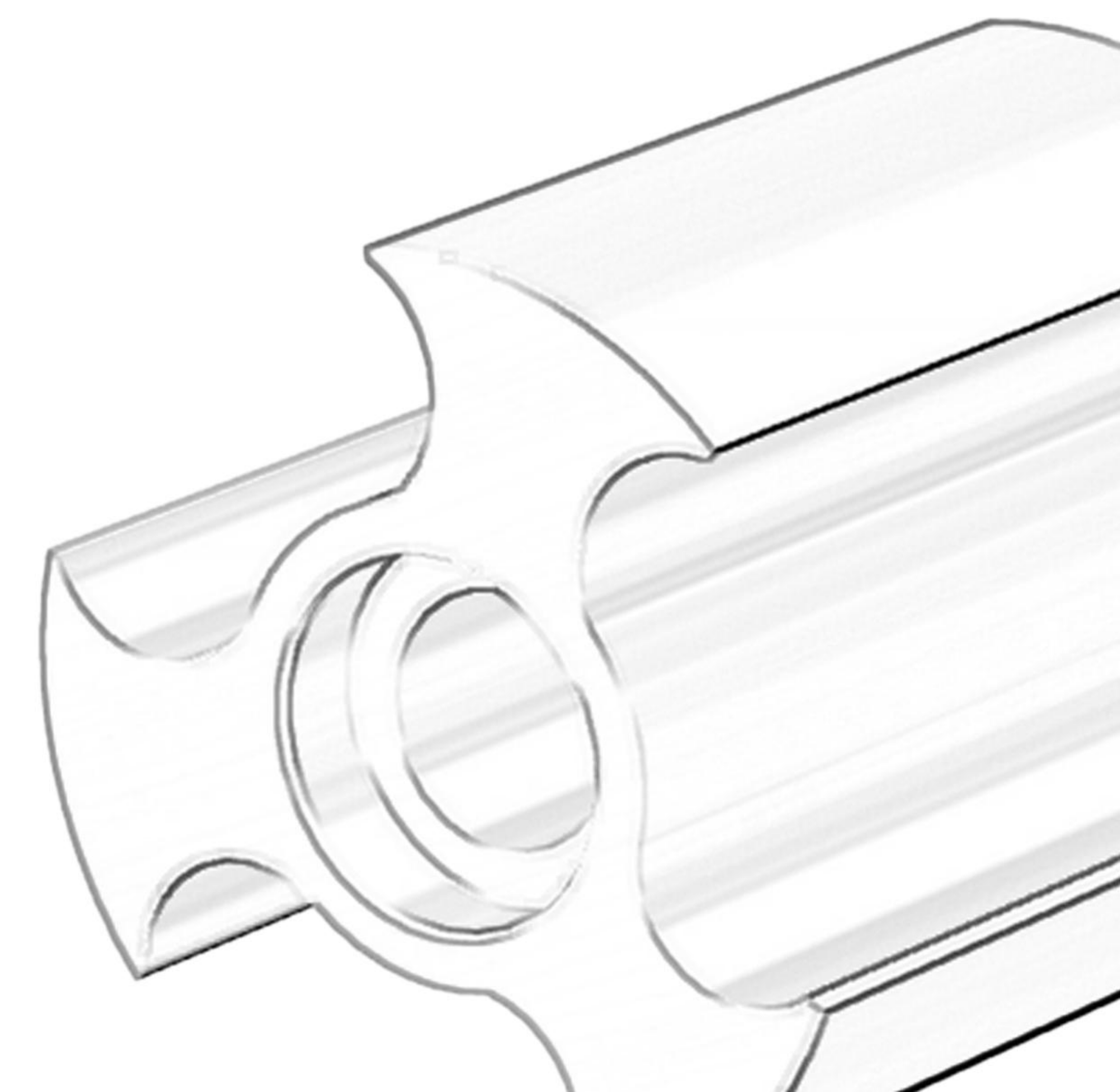
Comprehensive Fluid Transportation Technology

全方位流体输送技术

细心 / 精心 / 用心 / 放心

Careful, Meticulous, Attentive, Reassuring

帕普生泵业
PUMPSEEN PUMPS CO., LTD



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CATALOGUE

集研发、生产、销售
于一体的流体输送技术
供应商

Fluid Transportation Technology
Supplier Integrating R&D,
Production, and Sales

研发中心——上海
R&D Center - Shanghai

营销中心——北京
Marketing Center - Beijing

生产基地——安徽
Production Base - Anhui

办事处——全国各省会
Offices - Provincial Capitals Na-
tionwide



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COMPANY PROFILE

帕普生泵业简介



帕普生，致力于成为全球一流流体输送设备供应商。

在北京设立营销中心，在上海设立研发中心，在安徽设立生产中心，并在中国各省会城市设立办事处，服务于全国各行业客户。

公司拥有完善的生产设施和研发体系，成套检测设备和泵测试平台，坚持以技术创新为动力，以前瞻性的战略眼光，对行业相关技术进行高投入的技术研发，以“创新”为使命，研发生产制造转子泵、螺杆泵、齿轮泵等系列产品。

21世纪初，帕普生团队将转子泵相关技术引入中国，助力了转子泵在中国工业行业应用的新时代。近10年来，帕普生基于庞大的客户应用基础和对转子泵相关技术的深刻理解和掌握，持续加大创新力度，通过严把研发质量关，严把物料采购关，严把生产过程关，严把产品放行关，严把售后服务关，确保产品合格且高品质出厂。在高粘度，高温，高磨损性介质输送的相关技术领域不断攻坚，特别是耐磨损技术和机械密封技术不断突破，产品使用寿命延长，性能大幅提升。

帕普生，专注为客户提供流体输送解决方案。我们在流体输送领域深耕细作，为客户提供定制化解决方案，为企业打造良好的合作体验，服务全球用户，助力客户成就未来。

Pumpseen: Your Comprehensive Fluid Transfer Solutions Provider.

We have established a marketing center in Beijing, a research and development center in Shanghai, and a production center in Anhui. Additionally, we have set up offices in the capital cities of each province to serve customers across various industries nationwide.

The company boasts complete production facilities, a robust R&D system, a full set of testing equipment, and a pump testing platform. Driven by technological innovation and a forward-looking strategic vision, we heavily invest in the research and development of industry-related technologies. Our mission is "innovation," and we specialize in the R&D, production, and manufacturing of rotary pumps, screw pumps, gear pumps, and other series of products.

In the early 21st century, the Pumpseen team introduced rotor pump technology to China, heralding a new era of industrial applications for rotor pumps in the country. Over the past decade, leveraging a vast customer application base and a profound understanding of rotor pump technology, Pumpseen has continuously intensified its innovation efforts. By rigorously controlling R&D quality, material procurement, production processes, product release, and after-sales service, we ensure that our products are qualified and of high quality upon leaving the factory. We persistently tackle challenges in the technical field of transferring high-viscosity, high-temperature, and high-abrasiveness media. Notably, we have made continuous breakthroughs in wear-resistant technology and mechanical seal technology, significantly extending product lifespan and enhancing performance.

Pumpseen focuses on providing customers with fluid transportation solutions. We delve deep into the fluid transportation field to offer customized solutions, create excellent cooperation experiences for enterprises, serve global users, and help customers achieve future success.

产品墙

PRODUCT WALL

三大系列产品

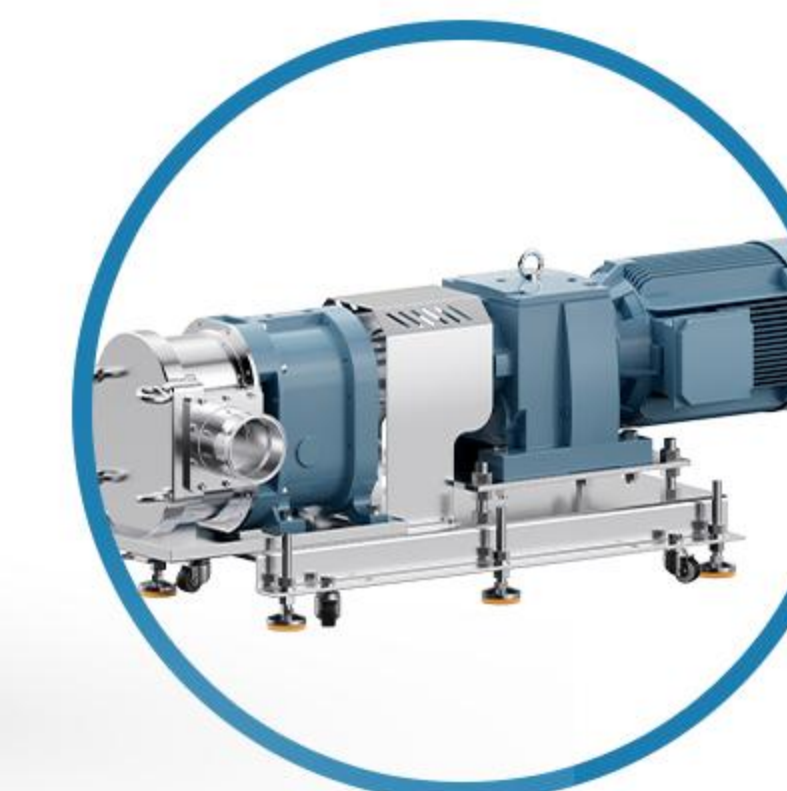
Three Major Product Series



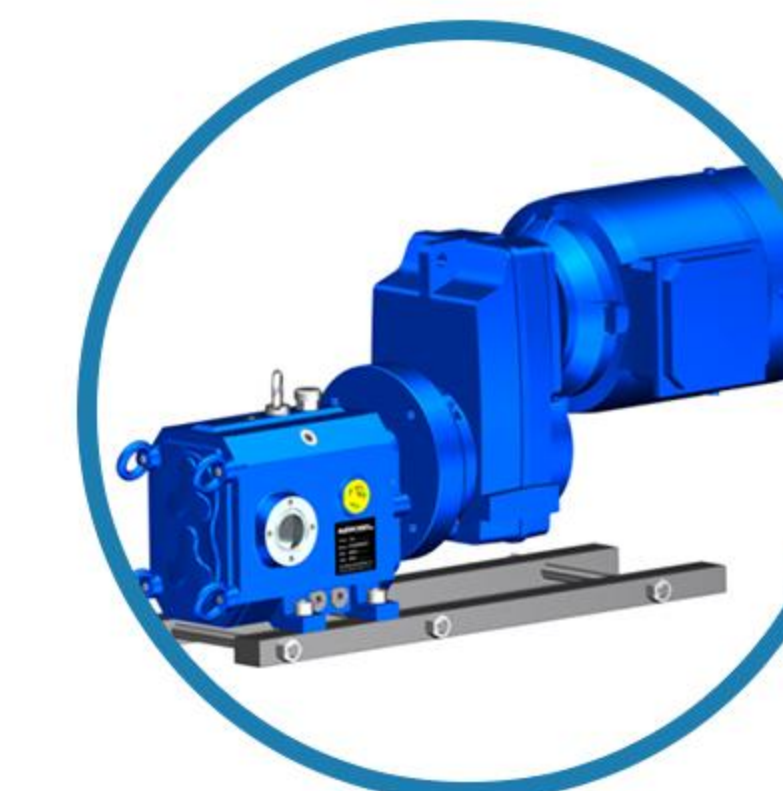
橡胶转子泵
Rubber rotary pump



金属转子泵
Metal rotary pump



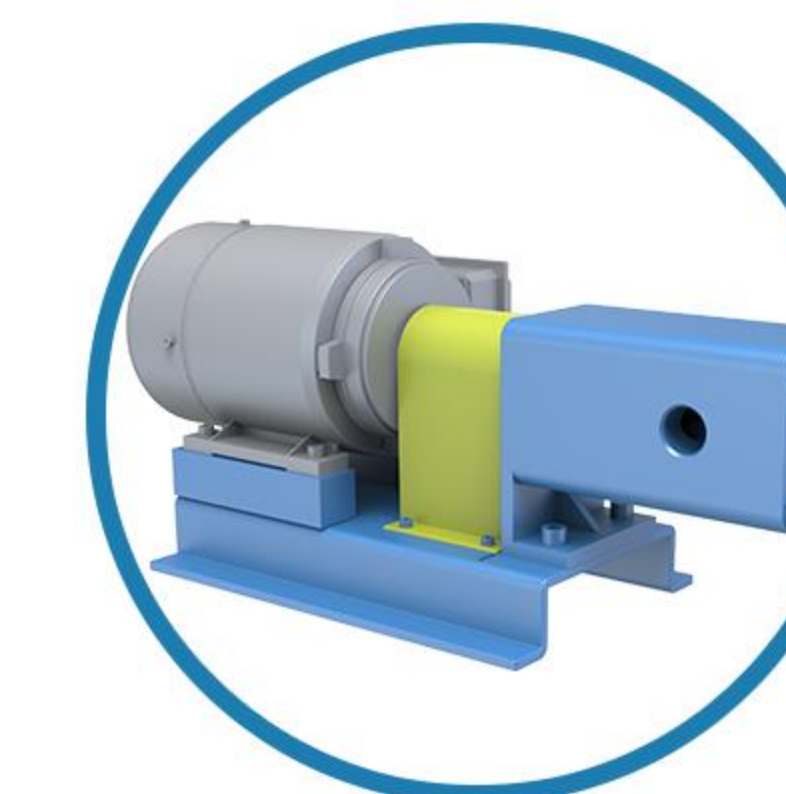
陶瓷转子泵
Ceramic rotary pump



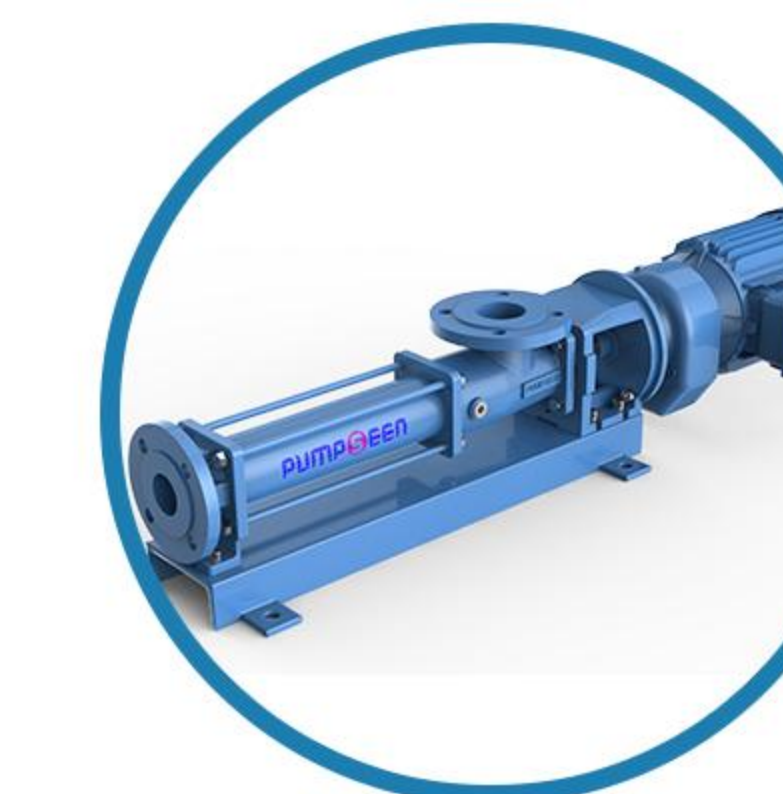
加药转子泵
Dosing rotary pump



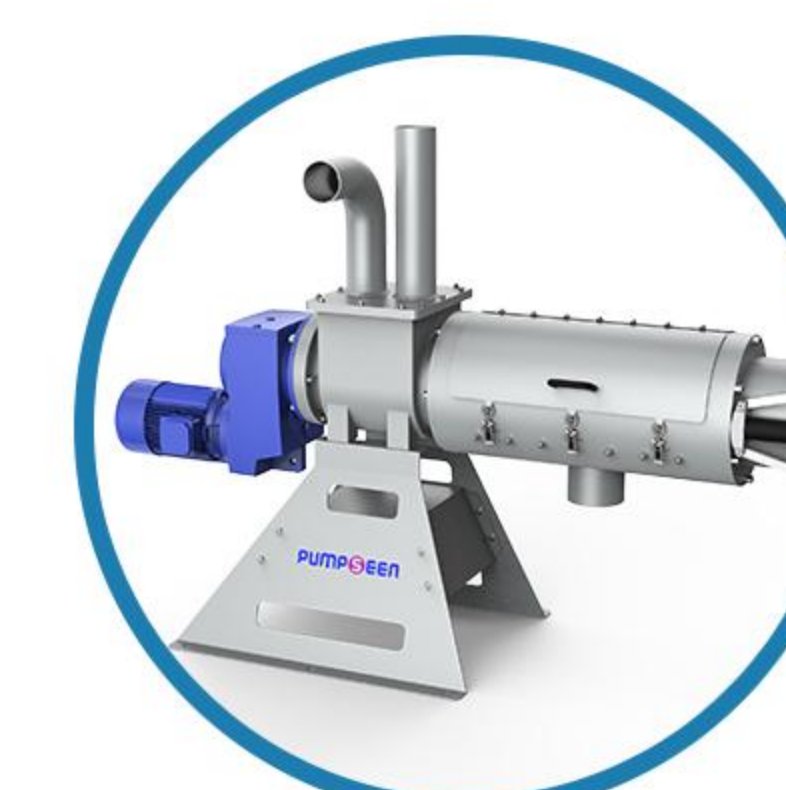
内啮合齿轮泵
Internal Gear Pump



外啮合齿轮泵
External Gear Pump



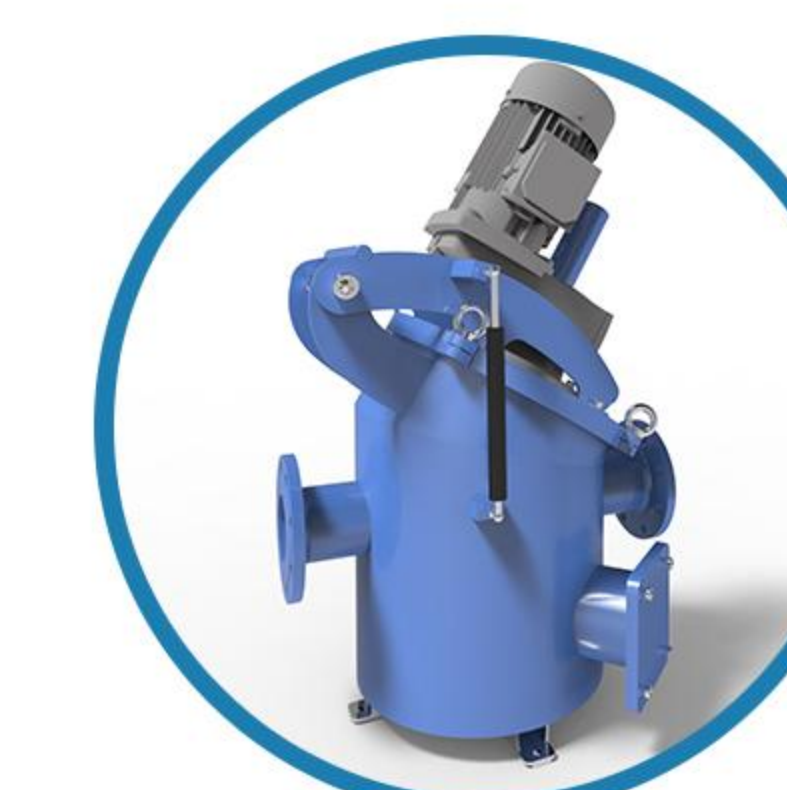
螺杆泵
Screw Pump



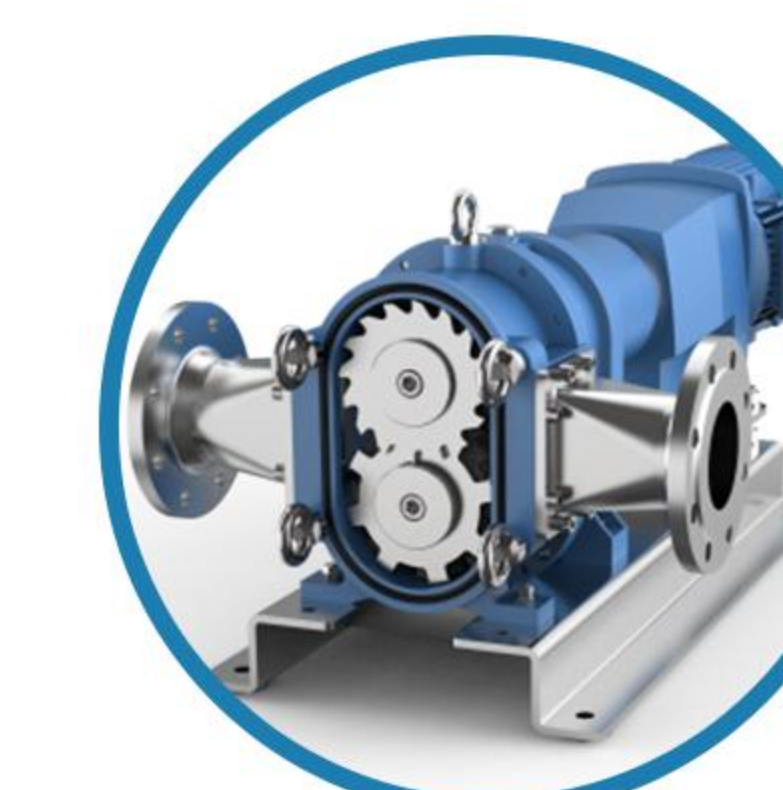
固液分离机
Solid-Liquid Separator



螺旋进料器
Screw Feeder



刀盘式破碎机
Disc Crusher



双轴式切割机
Dual-Shaft Cutter



集装箱式移动泵车
Containerized Mobile Pump Truck



卡车式移动泵车
Truck-Mounted Mobile Pump Truck



手推式移动泵车
Hand-Push Mobile Pump Truck



拖挂式移动泵车
Trailer-Mounted Mobile Pump Truck

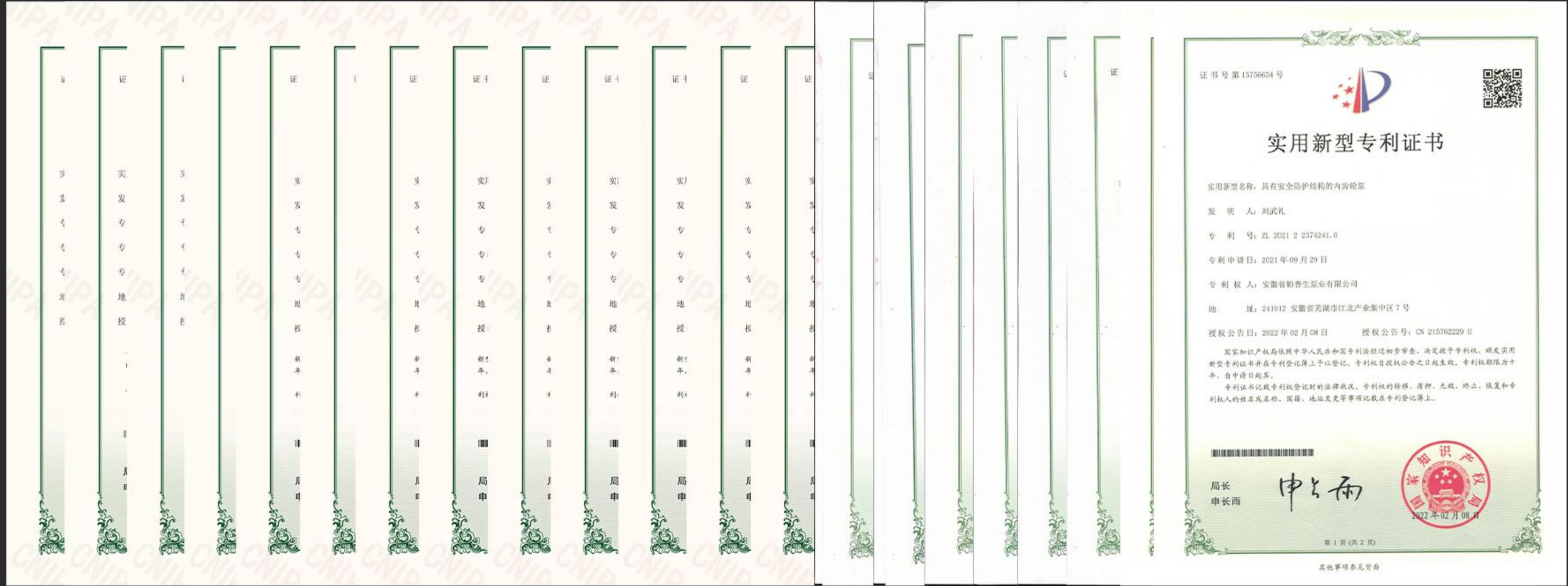
资质
QUALIFICATIONS



3体系认证
Three-System Certification



高新技术企业
High-tech Enterprises



研发投入比：10%+,每年新增大量专利
R&D Investment Ratio: 10%+,Numerous Patents Added Annually

生产基地
PRODUCTION BASE

10000+ ㎡ 生产基地 10,000 ㎡+ Production Base



新能源锂电池行业

泵送技术

LITHIUM BATTERY INDUSTRY

陶瓷转子泵

CERAMIC ROTOR PUMP

帕普生陶瓷转子泵采用陶瓷-金属复合制造技术研制的耐磨型转子泵，陶瓷具有高硬度、耐磨损、耐腐蚀等特性，陶瓷转子泵采用泵体双层结构设计，外层金属内层陶瓷，因此陶瓷衬板能在一定程度上保护泵体和备件，延长了产品的使用寿命，且在锂电等行业应用中，陶瓷不含铜锌元素，不与介质发生反应，保护介质的纯净度。

Pumpseen ceramic rotor pumps, made using ceramic-metal composite manufacturing technology, are wear-resistant rotor pumps. Ceramics possess high hardness, wear resistance, and corrosion resistance. The ceramic rotor pump features a double-layer structure with an outer metal layer and an inner ceramic layer. This design protects the pump body and spare parts, extending product life. In industries such as lithium batteries, ceramics do not contain copper and zinc elements and do not react with the media, maintaining media purity.

橡胶转子

Rubber Rotor

- 耐磨损
- 耐腐蚀
- 耐酸碱
- 耐高温

- Wear-resistant
- Corrosion-resistant
- Acid and alkali resistant
- High-temperature resistant

自润滑锂电行业用双端面机械密封

Self-Lubricating Dual-Face Mechanical Seal for the Lithium Battery Industry

现有机械密封在非正常运转或空运转时会严重的磨损，帕普生针对这一情况选择了新型材料和新型结构设计，提高了机械密封的耐磨性和散热性，解决了机械密封干运转时磨损严重的难题。

Existing mechanical seals suffer severe wear during abnormal or dry operation. PUMPSEEN has addressed this issue by selecting new materials and new structural designs, enhancing the wear resistance and heat dissipation of mechanical seals and solving the severe wear problem during dry operation.

- 新材料、耐磨损
 - 新结构、散热强
 - 可干运转、超长寿命
 - 稳定无泄漏
- New Material, Wear-Resistant
 - New Structure, Strong Heat Dissipation
 - Capable of Dry Operation, Long Life
 - Stable and Leak-Free

工艺应用

TECHNOLOGY APPLICATION

应用范围

APPLIED RANGE

盐湖提锂

Salt Lake Lithium Extraction

洗涤剂、沉淀剂、溶剂、脱取剂、化学试剂、工业废水、污水等
Detergents, precipitants, solvents, extractants, chemical reagents, industrial wastewater, sewage, etc.

矿石提锂

Ore Lithium Extraction

添加剂、酸性碱性化学试剂、工业废水、污水等
Additives, acid-base chemical reagents, industrial wastewater, sewage, etc.

锂电池浆料

Lithium Battery Slurry

电池浆料：正极浆料，负极浆料，磷酸铁浆料
电池辅料：石墨烯，CNT，SBR，CMC，PVDF
• Battery Slurry: Cathode Slurry, Anode Slurry, Lithium Iron Phosphate Slurry
• Battery Auxiliary Materials: Graphene, CNT, SBR, CMC, PVDF

技术优势

TECHNICAL ADVANTAGES

- ★浆料生产过程中温度、黏度、粒度不断变化，帕普生转子泵可输送高含固率、高粘度的介质；
- ★帕普生锂电行业陶瓷转子泵使用陶瓷材料，陶瓷材料硬度大、抗磨损、耐腐蚀，且不含铜、锌等元素，不与介质发生反应；
- ★三叶螺旋橡胶转子，平稳无脉动输送，耐磨损，耐腐蚀，对介质无污染；
- ★帕普生耐干运行双重组合密封采用新材料，新结构，自润滑可干运行，自冷却无泄漏；
- ★自吸能力强，启动无需罐液；
- ★流量与转速成正比特性，几乎不随压力变化；
- ★结构对称，正反可逆运行特性；
- ★低脉动、低剪切，低扰动；
- ★在线维护，维修不需拆动管线及驱动；
- ★运行稳定

- ★During the slurry production process, temperature, viscosity, and particle size continuously change. Papusen rotor pumps can transport media with high solid content and high viscosity.
- ★Pumpseen ceramic rotary pumps for the lithium battery industry use ceramic materials. Ceramics are hard, wear-resistant, corrosion-resistant, and do not contain copper and zinc elements, ensuring no reaction with the media.
- ★Three-lobe helical rubber rotor for smooth, pulsation-free transport, wear-resistant, corrosion-resistant, and non-contaminating to the media.
- ★Papusen’s dual-combination seal for dry running uses new materials and new structures. It is self-lubricating, can operate dry, is self-cooling, and leak-free.
- ★Strong self-priming ability, no need to fill the pump with liquid to start.
- ★Flow rate proportional to speed, nearly unaffected by pressure changes.
- ★Symmetrical structure, reversible operation.
- ★Low pulsation, low shear, low disturbance.
- ★Online maintenance, no need to dismantle pipelines and drives for repairs.
- ★Stable operation.

市政环保行业

泵送技术

MUNICIPAL ENVIRONMENTAL PROTECTION

橡胶转子泵

RUBBER ROTARY PUMP

转子泵在污水领域应用非常广泛，从初沉池-生物沉淀池-二沉池-浓缩池-消化池到脱水机供料，再到最后的脱水后的干泥输送，几乎每个工艺段都会使用转子泵来输送污泥污水。转子泵具有占地空间小，维护简单，备件成本低，能耗更低等优势。转子采用橡胶、工程塑料等材质，适用于输送高含固率，高磨损，高粘度的介质，适用于多种行业介质输送。

Rotary pumps are widely used in the sewage field, from primary sedimentation tanks, biological sedimentation tanks, secondary sedimentation tanks, concentration tanks, digestion tanks, to supplying dewatering machines, and finally to transporting dewatered sludge. Rotor pumps offer advantages such as small footprint, simple maintenance, low spare parts cost, and lower energy consumption. The rotors, made of materials such as rubber and engineering plastics, are suitable for transporting media with high solid content, high wear resistance, and high viscosity.

技术优势

TECHNICAL ADVANTAGES

- 1.结构紧凑，安装占地面积小。
- 2.可输送磨损性高，含固率高，粘度高的介质，颗粒通过能力强。
- 3.流量与转速成正比，几乎不随压力变化，流量可调节范围大，通过变频调节电机转速，可以调节泵的输出流量。
- 4.自吸能力强，标准大气压下，最大自吸高度可达8.5M以上，启动无需灌液，适合行车吸砂泵等需要自吸的场合。
- 5.低转速泵，耐磨，易损件更换周期长，对介质的剪切力小，脉冲小，运行平稳。
- 6.对称结构设计，可以正反双向运转，通过改变电机旋转方向，实现双向输送功能，适用于膜处理工艺中的膜抽吸泵场合。
- 7.可在线维修设计，提高维护效率。维护时无需拆卸管线法兰，只需打开快启泵盖，即可对整泵过流部件进行更换，如转子、机械密封、衬板等。大大降低了维护停机时间及人力成本。
- 8.具有短时干运行的能力，由于泵机密封浸泡在充满轻质润滑油的缓冲隔离腔内，所以泵可适应短时干运行的状态，泵的主要部件转子、机械密封不会因为摩擦升温导致损坏。同时缓冲隔离腔还具有防止介质进入齿轮腔及监测机械密封是否失效的功能。

- 1.Compact structure, small installation footprint.
- 2.Capable of transporting high-wear, high solid content, and high-viscosity media, with strong particle passing capability.
- 3.Flow rate proportional to speed, nearly unaffected by pressure changes, with a wide adjustable flow range. By adjusting the motor speed through frequency conversion, the pump output flow can be easily adjusted.
- 4.Strong self-priming ability, with a maximum self-priming height of over 8.5 meters under standard atmospheric pressure, suitable for applications requiring self-priming, such as sand suction pumps.
- 5.Low-speed pump, wear-resistant, long replacement cycle for wearing parts, low shear force on the media, low pulse, and stable operation.
- 6.Symmetrical structure design, capable of bi-directional operation. By changing the motor rotation direction, the bi-directional transport function can be realized, suitable for membrane suction pump applications in membrane treatment processes.
- 7.Online maintenance design improves maintenance efficiency. No need to dismantle pipeline flanges during maintenance. Simply open the quick-release pump cover to replace the entire pump's overcurrent components, such as rotors, mechanical seals, liners, etc., significantly reducing maintenance downtime and labor costs.
- 8.Short-term dry operation capability. The pump mechanical seal is immersed in a buffer isolation chamber filled with lightweight lubricating oil, allowing the pump to adapt to short-term dry operation without damaging the main components, such as rotors and mechanical seals. The buffer isolation chamber also prevents media from entering the gear chamber and monitors the mechanical seal for failure.

移动泵车 Mobile Pump Trucks

卡车式移动泵车 | 手推式移动泵车 | 拖挂式移动泵车

Truck-Mounted Mobile Pump Truck, Hand-Push Mobile Pump Truck, Trailer-Mounted Mobile Pump Truck

经济/高效/便捷

ECONOMIC / EFFICIENT / CONVENIENT



河道清淤 | 防洪排涝 | 灌溉 | 旱灾 | 蓝藻 | 发电 | 窖井 | 围堰

River Dredging | Flood Control and Drainage | Irrigation | Drought | Blue-Green Algae | Power Generation | Well Sump | Cofferdam

刀盘式破碎机

Disc Crusher

帕普生破碎机用于破碎切割介质中的固体或纤维成分，有效保护泵或其他工艺设备如离心机、压滤机等，提高系统的可靠性，延长设备使用寿命。破碎效果取决于处理量、转速以及刀盘设计，可根据不同的工艺要求选型设计。

Pumpseen crushers are used to crush and cut solid or fibrous components in the media, effectively protecting pumps or other process equipment such as centrifuges and filter presses, improving system reliability, and extending equipment life. The crushing effect depends on the throughput, speed, and disc design and can be selected and designed according to different process requirements.



石油石化行业 泵送技术

PETROLEUM AND PETROCHEMICAL INDUSTRY

专心/专注/专业

应用范围 APPLIED RANGE

- (1)原油输送泵
- (2)石化产品卸车泵
- (3)油污回收泵
- (4)含油污水提升泵
- (5)钛白粉浆料输送泵
- (6)甲醇甲苯卸车泵
- (7)抽罐底油泵
- (8)油污泥进料泵
- (9)乙醇卸车泵
- (10)溢油回收泵
- (11)事故水提生泵
- (12)柴油卸车泵
- (13)扫线泵
- (14)航空燃油卸车泵

- 1.Crude Oil Transfer Pump
- 2.Petrochemical Product Unloading Pump
- 3.Waste Oil Recovery Pump
- 4.Oily Wastewater Lift Pump
- 5.Titanium Dioxide Slurry Transfer Pump
- 6.Methanol Toluene Unloading Pump
- 7.Tank Bottom Oil Pump
- 8.Oil Sludge Feed Pump
- 9.Ethanol Unloading Pump
- 10.Oil Spill Recovery Pump
- 11.Emergency Water Transfer Pump
- 12.Diesel Unloading Pump
- 13.Line Cleaning Pump
- 14.Aviation Fuel Unloading Pump

技术优势 TECHNICAL ADVANTAGES

转子泵在石油石化行业运用的特点及优势

- 1, 占地面积小, 预留少量维修位置
- 2, 保养维护不需要拆卸管道,
- 3, 自吸力高, 方便扫线清仓。
- 4, 转子泵是一种低转速泵, 耐磨, 易损件更换周期长。
- 5, 低剪切, 降低剪切产生火花产生的风险。
- 6, 流量与转速成正比, 几乎不随压力变化, 流量可调节范围大, 通过变频调节电机转速, 可以轻易的调节泵的输出流量。
- 7, 可输送磨损性高, 含固率高, 粘度高的介质, 颗粒通过能力强。
- 8, 可选择形式丰富, 可以根据介质特性选择各种橡胶及金属材质。
- 9, 可以选择配置进行保温预加热。

Features and Advantages of Rotary Pumps in the Petroleum and Petrochemical Industry

- 1.Compact size, minimal maintenance space required.
- 2.Maintenance does not require disassembly of pipelines.
- 3.High self-priming ability, convenient for line sweeping and tank cleaning.
- 4.Low-speed pump, wear-resistant, with a long replacement cycle for wear parts.
- 5.Low shear, reducing the risk of sparks caused by shear forces.
- 6.Flow rate is proportional to speed, almost unaffected by pressure changes, with a wide range of flow adjustments through variable frequency drive speed control.
- 7.Capable of transporting high-wear, high-solid content, and high-viscosity media with strong particle handling capability.
- 8.Various forms and materials can be selected according to the media characteristics.
- 9.Options for insulation and preheating configuration are available.



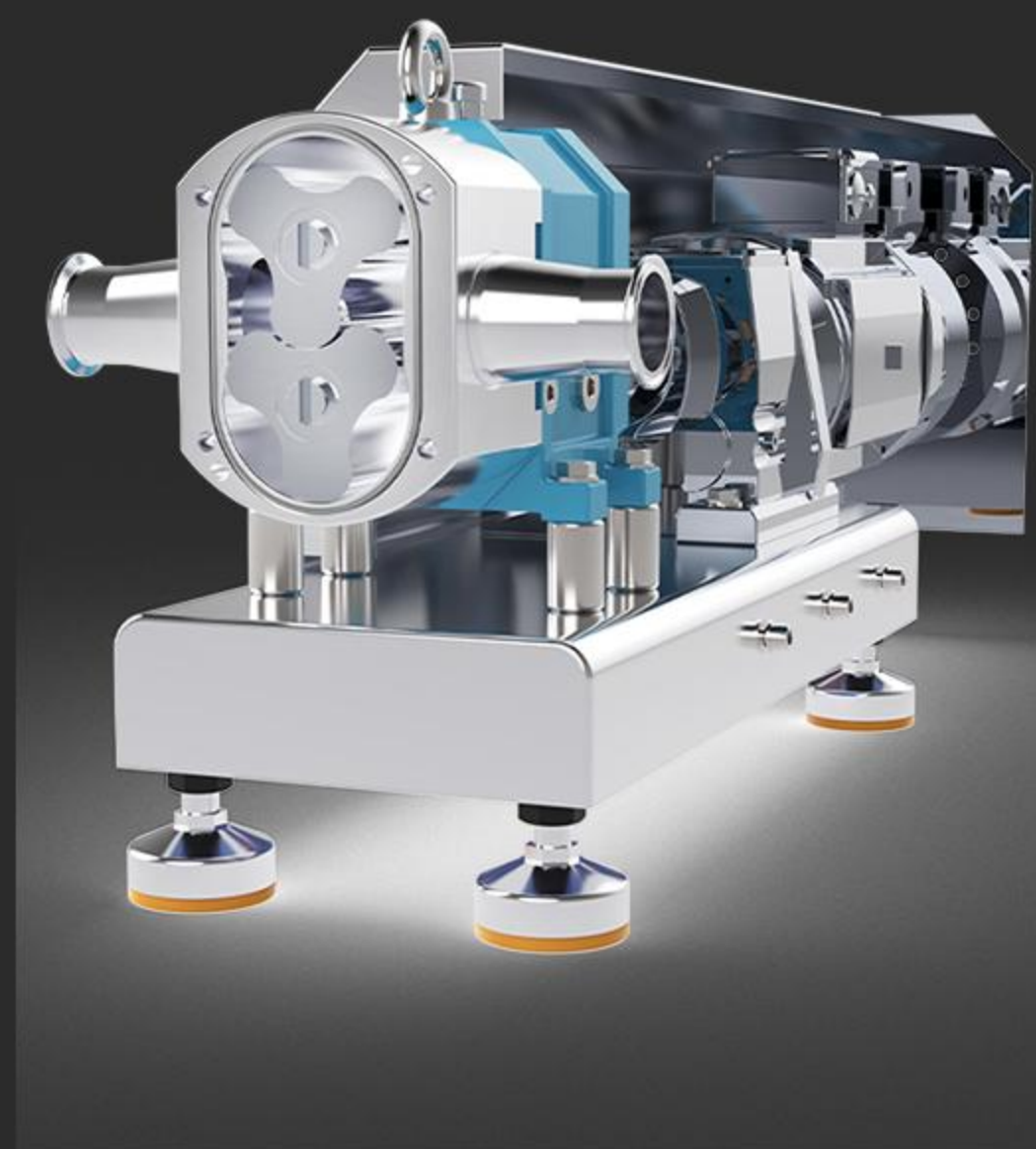
造纸/化工行业

泵送技术

PULP & PAPER / CHEMICAL INDUSTRY

转子泵

ROTOR PUMP



帕普生金属凸轮泵的转子和泵壳均为不锈钢设计，内部光滑无死角，可实现在线清洗。基于转子的特殊设计和制造，我们在做选型时考虑到介质的腐蚀，磨损，粘度，温度等各种特性，选择的转子能够满足客户的需求。于此同时，考虑到通用性的特点，对于相同型号的泵来说，各种形式和材质的转子可以相互互换。

Pumpseen metal lobe pumps have rotors and pump housings made of stainless steel, with a smooth, dead-angle-free interior for online cleaning. The unique rotor design and manufacturing allow for the selection of rotors that meet customer requirements based on media characteristics such as corrosion, wear, viscosity, and temperature. Rotors of different forms and materials for the same pump model can be interchanged.

内啮合齿轮泵

INTERNAL GEAR PUMP

外啮合齿轮泵

EXTERNAL GEAR PUMP



- 可靠且易于维护

只有两个转动零部件

- 末端间隙可调

适应高低不同的粘度、高温或补偿磨损

- 轴密封选项

包括填料密封、唇密封、集装式密封

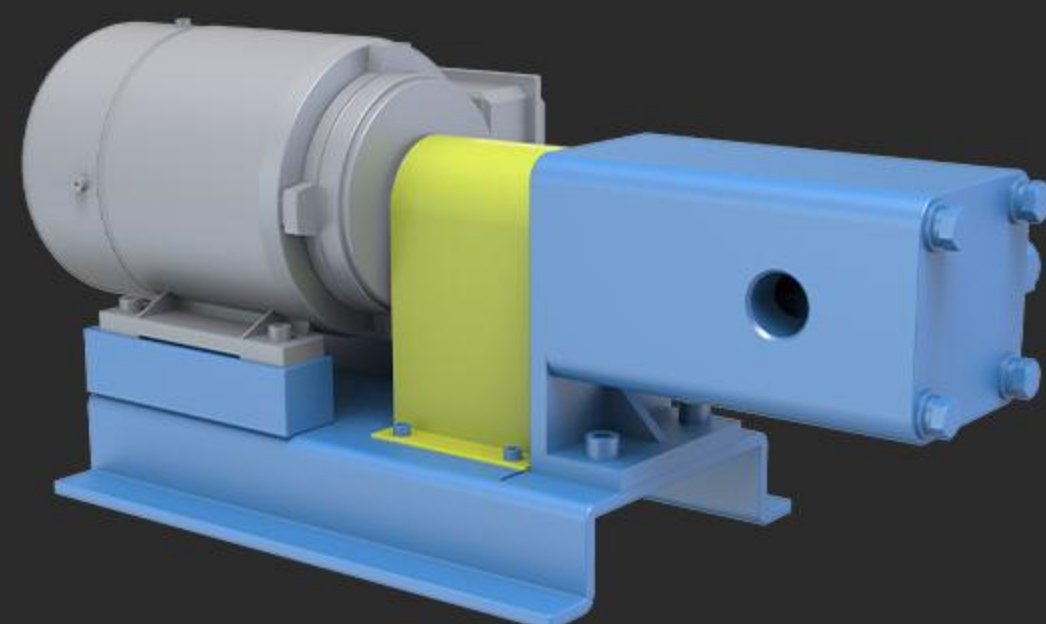
- 接口选项

提供广泛的进出口位置、型式选择

- 轴密封

比在凸轮泵和螺杆泵上所用的两个或四套机械密封更加可靠，且成本更低

- Reliable and Easy to Maintain: Only two moving parts
- Adjustable End Clearance: Adapts to different viscosities, high temperatures, or compensates for wear
- Seal Options: Including packing seals, lip seals, cartridge seals
- Interface Options: Wide selection of inlet and outlet positions and types
- More Reliable Seals: More cost-effective than the two or four mechanical seals used in lobe and screw pumps



- 多段泵

一个马达驱动多联泵，进行液体混合或分流输送至不同用途

- 可靠且易于维护

- 只有两个移动零部件

- 轴密封选项

- 包括唇密封、组件机械密封和无密封磁力驱动选项

- 紧凑安装式选项

- 用于马达泵操作或采用齿轮马达

- 平稳、非脉动流

- 可精确测量流量

- 一轴密封

- 密封件更加可靠，且成本更低

- Multiple Pumps: One motor drives multiple pumps for liquid mixing or diverting to different uses
- Reliable and Easy to Maintain: Only two moving parts
- Seal Options: Including lip seals, cartridge mechanical seals, and seal-less magnetic drive options
- Compact Installation Options: For motor pump operations or using gear motors
- Smooth, Non-Pulsating Flow: Allows precise flow measurement
- Single Shaft Seal: More reliable and cost-effective than multiple seals

精细化工

Fine Chemicals

燃料、涂料、颜料、添加剂、粘合剂、催化剂和各种助剂、水处理剂、农药等

Applications: Fuels, coatings, pigments, additives, adhesives, catalysts, and various aids, water treatment agents, pesticides, etc.



日用化工

Daily Chemicals

洗涤剂、香精、化妆品、牙膏、油墨、乳液、凝胶等

Applications: Detergents, fragrances, cosmetics, toothpaste, inks, emulsions, gels, etc.



化工化纤

Chemical Fibers

橡胶、乳胶、化学纤维、树脂、油脂、聚氨酯等

Applications: Rubber, latex, chemical fibers, resins, oils, polyurethanes, etc.



造纸

Pulp and Paper

聚丙烯酰胺(PAM)，碳酸钙、淀粉糊，丙苯胶乳，松香，松香胶，纸浆，填料，干强剂，湿强剂，施胶剂，助留助虑剂，消泡剂，水处理化学品等

Applications: Polyacrylamide (PAM), calcium carbonate, starch paste, butyl benzene latex, rosin, rosin glue, pulp, fillers, dry strength agents, wet strength agents, sizing agents, retention aids, flocculants, defoamers, water treatment chemicals, etc.



食品医药行业

泵送技术

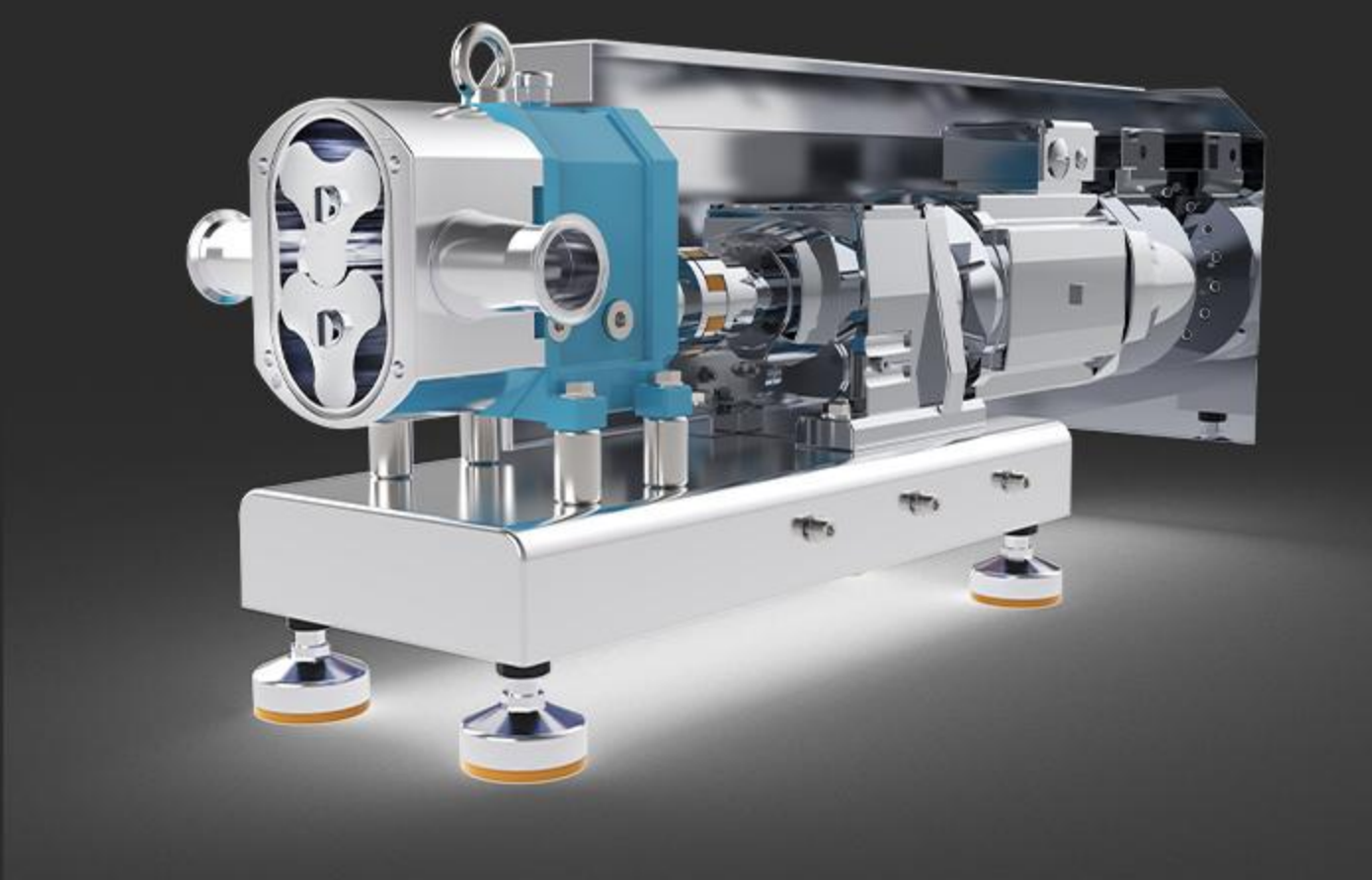
FOOD AND PHARMACEUTICAL INDUSTRY

卫生级转子泵 Sanitary Rotor Pump

W系列转子泵的转子在旋转时产生了多个等容积的泵腔。流体从入口处被温和推送到出口。同时，相对位置的泵腔打开以吸入更多的流体，因此，整个过程输送平稳，脉冲极低。帕普生的W系列卫生级转子泵，满足食品加工及生物医药等行业更高级别的泵送标准，支持CIP/SIP清洗方案，还提高了泵送效率并降低了总成本。

W series rotor pumps generate multiple equal-volume pump chambers during rotation. Fluids are gently pushed from the inlet to the outlet. Simultaneously, the pump chambers in the relative position open to draw in more fluid, ensuring smooth and low-pulsation transportation throughout the process. Papusen's W series sanitary rotor pumps meet higher pumping standards for food processing and biopharmaceutical industries, supporting CIP/SIP cleaning solutions while improving

- 符合卫生级设计标准
 - 泵盖轮廓密封
 - 可以排空
 - 卫生泵口设计
 - 隔离的齿轮箱设计
 - 转子密封
 - CIP在线清洗设计
 - SIP在线消毒设计
- Meets Sanitary Design Standards
 - Pump Cover Contour Seals
 - Drainable
 - Sanitary Pump Port Design
 - Isolated Gearbox Design
 - Rotor Seals
 - CIP Online Cleaning Design
 - SIP Online Sterilization Design



产品特点

- 流量从1-800M3/H
- 进口压力最大可达24BAR
- 通过能力强
- 最大可输送颗粒直径达80MM
- 可输送黏度范围为1-800,000厘泊的介质
- 在线维修特性，维修时间短，降低维护成本
- 备件使用寿命长，特殊设计和材质选择延长了泵的使用寿命
- 具有耐磨、耐高温、耐腐蚀等特性
- 高精度同步齿轮设计
- 多种转子材质可选，如304/316L、双相不锈钢等
- 多种转子形式可选，如两叶线性、两叶螺旋、两叶蝶形、三叶线性、三叶螺旋、三叶蝶形等
- 多种机械密封可选，例如单端面机械密封、双端面机械密封、带冲洗方案的密封设计等

Product Features

- Flow Range: 1-800 m³/h
- Max Inlet Pressure: 24 bar
- Handling Capacity: Max particle size up to 80 mm
- Viscosity Range: 1-800,000 cps
- Online Maintenance Features: Short maintenance time, reduced maintenance costs
- Long Service Life: Special designs and material selections extend pump life
- Wear-Resistant, High Temperature, Corrosion Resistant
- High Precision Timing Gear Design
- Various Rotor Materials Available: Such as 304/316L, duplex stainless steel, etc.
- Various Rotor Forms Available: Such as two-leaf linear, two-leaf helical, two-leaf butterfly, three-leaf linear, three-leaf helical, three-leaf butterfly, etc.
- Various Mechanical Seals Available: Including single mechanical seals, double-end mechanical seals, and seals with flushing solutions



奶制品

奶油、酸奶酪、酸奶、牛奶冻、黄油、牛奶、脱脂奶和浓缩奶、甜品、乳清、涂布干酪



烘焙食品

动植物油和脂肪、沙司、汤、蛋类产品、预制谷粉、色拉、蛋糕混合粉、果酱、番茄酱、婴儿食品、蜂蜜、苹果



酿造酒、非酒精及酒精饮料

蛋黄酒、汽酒、酵母、浓缩果汁、糖浆、麦芽汁



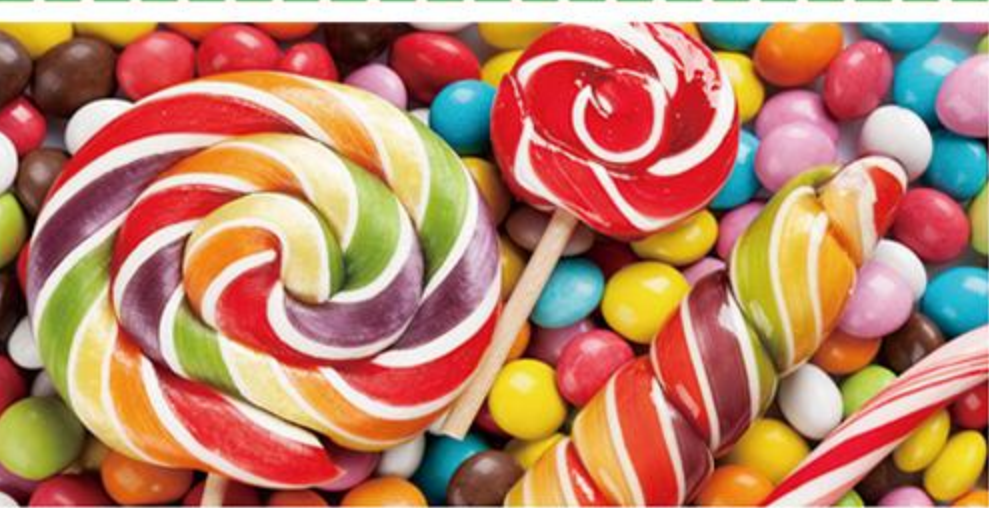
化妆品

预制油膏、洗(发、肤)液，植物精华液，泡沫浴露、香波、化妆面霜、牙膏



制药、医疗工程

药膏、浸膏、药乳膏、药丸糊、糖浆、注射剂、抗菌素、药乳液、保健品、药剂等



食糖/糖果

糖浆、糖蜜、淀粉液、巧克力、煮沸的糖果液、太妃糖、甘草液、果仁馅料、软糖



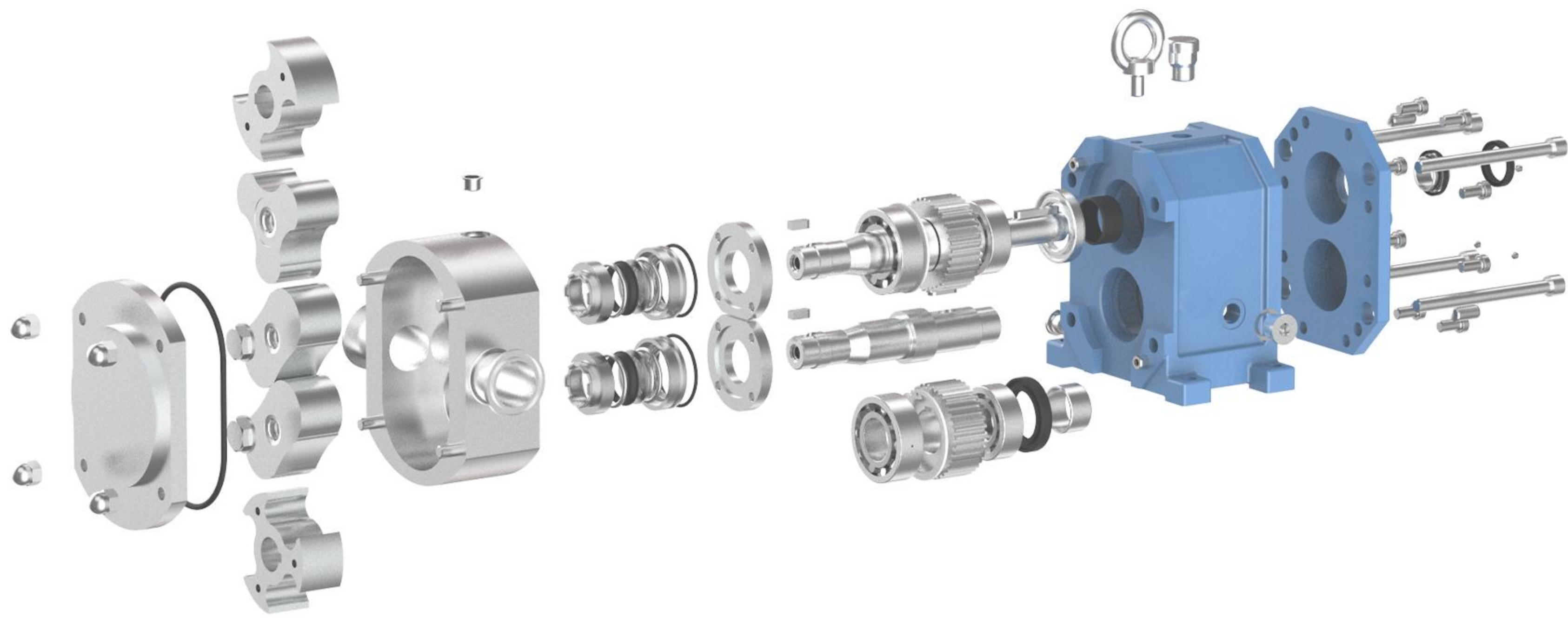
肉制品加工业

血、香肠馅料、鱼子酱、肉鱼色拉酱、显影乳剂、胶水、合成树脂溶液、明胶、塑料分解液



生物工程

细胞营养液、细胞悬浮液、各种酶细菌



餐厨垃圾行业

泵送技术/切割技术

KITCHEN WASTE INDUSTRY

在餐厨垃圾处理领域，帕普生具有丰富的输送经验，可为客户提供合适输送解决方案。餐厨垃圾行业介质有机物含量高，成分复杂、含杂质多等特点，普通的橡胶凸轮泵转子易损坏，金属转子又容易卡死等问题频发，帕普生餐厨垃圾金属转子—两叶月牙形金属转子解决了这一问题，转子采用高强度合金钢42CRMO，表面深层渗氮硬化处理。在多个项目上成功应用，得到客户的一致认可。

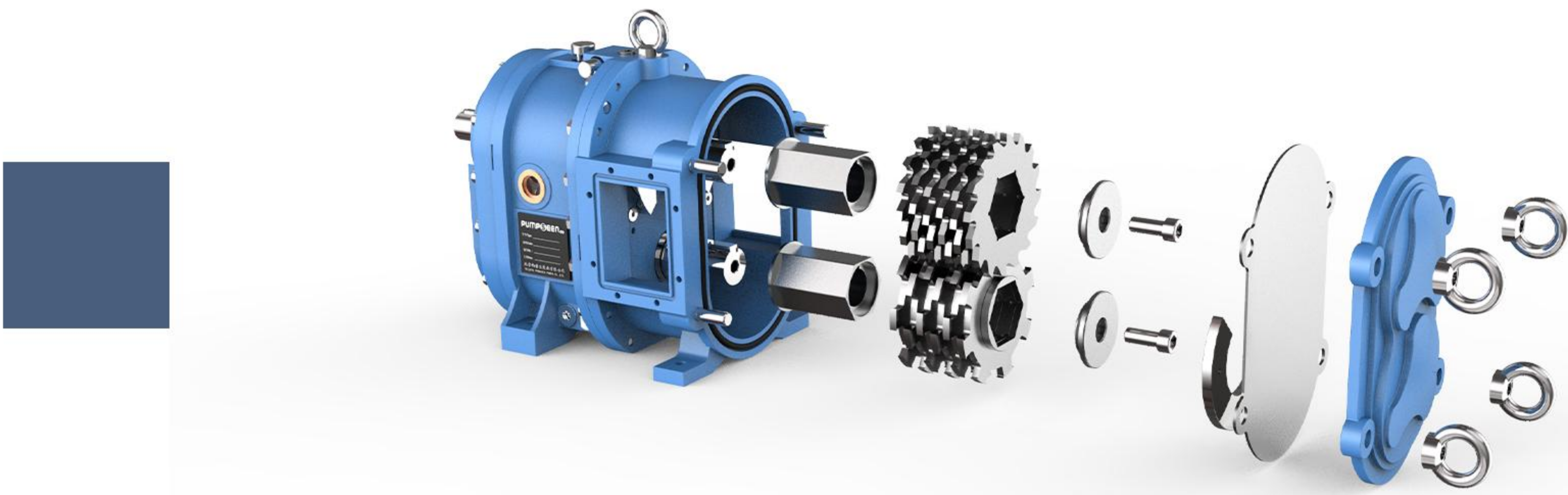
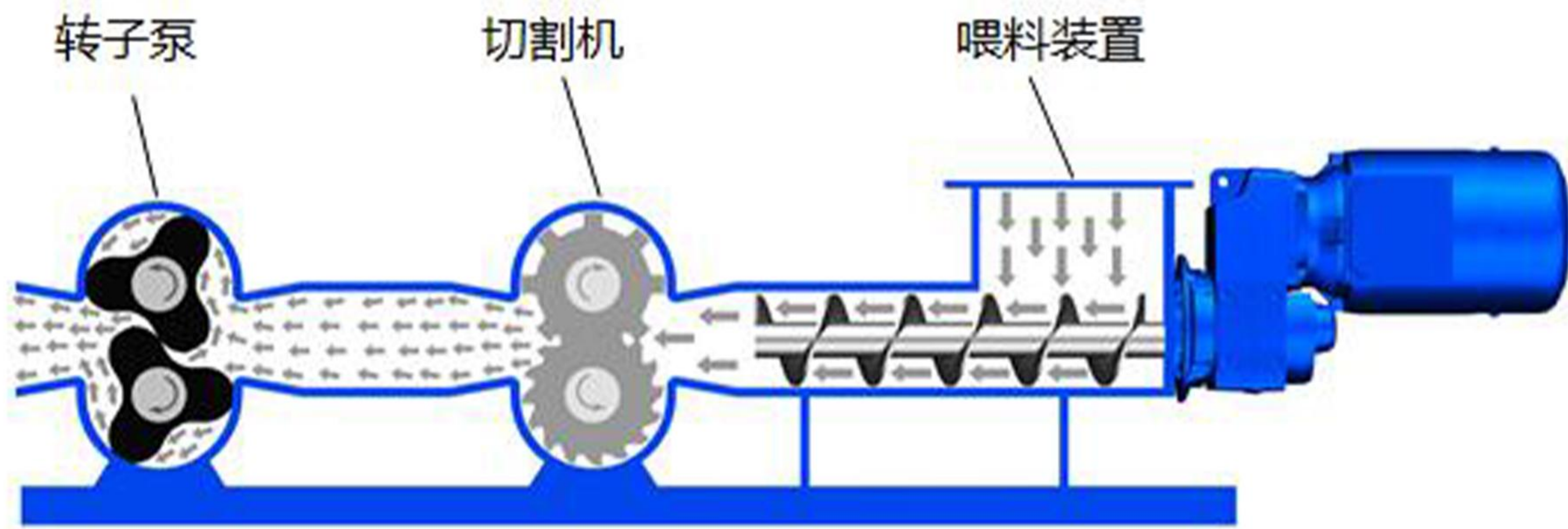
In the field of kitchen waste treatment, Pumpseen has extensive transportation experience and can provide suitable transportation solutions for customers. Kitchen waste media have high organic content, complex composition, and high impurity content. Ordinary rubber lobe pump rotors are prone to damage, and metal rotors frequently jam. Pumpseen’s kitchen waste metal rotor—two-leaf crescent-shaped metal rotor solves this problem. The rotor is made of high-strength alloy steel 42CrMo with deep nitriding surface hardening treatment. Successfully applied in multiple projects, receiving unanimous recognition from customers.



技术优势 Technical advantages

- 1.结构紧凑，安装占地面积小。
- 2.在输送含一定粘度的餐厨垃圾时磨损性高，颗粒通过能力强。
- 3.流量与转速成正比，几乎不随压力变化，流量可调节范围大，通过调节电机转速，可以轻易的调节泵的输出流量。
- 4.自吸能力强，启动无需灌液，特别适合半埋发酵罐和多层建筑处理厂的使用。
- 5.转子泵和剪切机外形和结构一样，安装方式灵活，泵和剪切机大部分零备件通用，大大提高维护的便宜度。
- 6.对称结构设计，可以正反双向运转，通过改变电机旋转方向，实现双向输送功能，提高设计和安装的灵活性。
- 7.可在线维修设计，提高维护效率。
- 8.具有短时干运行的能力。

- 1.Compact structure, small installation footprint.
- 2.High wear resistance when transporting kitchen waste with certain viscosity, strong particle handling capability.
- 3.Flow rate is proportional to speed, almost unaffected by pressure changes, with a wide range of flow adjustments through variable frequency drive speed control.
- 4.Strong self-priming capability, no need for liquid filling to start, particularly suitable for semi-buried fermenters and multi-story building treatment plants.
- 5.The appearance and structure of the rotor pump and cutter are the same, flexible installation, most spare parts of the pump and cutter are interchangeable, significantly improving maintenance convenience.
- 6.Symmetrical structure design allows for bi-directional operation by changing the motor rotation direction, enhancing design and installation flexibility.
- 7.Online maintenance design improves maintenance efficiency.
- 8.Short-term dry running capability,



- 强力切割块状硬物
- 可靠、坚固、强大
- 结构紧凑，低占地空间
- MOS-在线维护，降低维护及停工时间
- 节能，内摩擦损耗低
- 粉碎效果易调节
- 长服务寿命
- 切割单元易更换
- 材质广泛
- 可逆运转
- 低生命周期成本

- Powerful Cutting of Hard Blocks
- Reliable, Strong, and Durable
- Compact Structure, Small Footprint
- MOS Online Maintenance, Reducing Maintenance and Downtime
- Energy-Saving, Low Internal Friction Loss
- Easily Adjustable Crushing Effect
- Long Service Life
- Easy Replacement of Cutting Units
- Wide Range of Materials
- Bi-directional Operation
- Low Lifecycle Cost



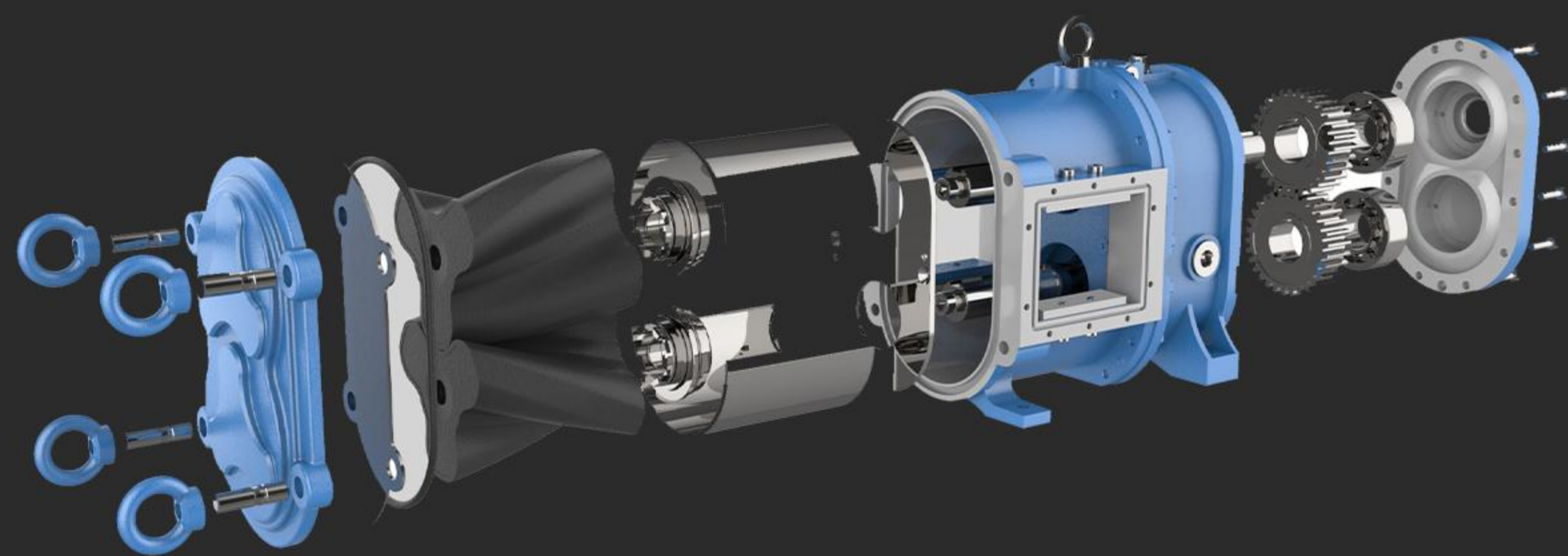
沼气行业

泵送技术

BIOGAS INDUSTRY

针对沼气生产中的原料特性，转子泵可以很好的输送含有颗粒的、粘度很高的流体介质。如有机污泥、牛粪、鸡粪、猪粪和秸秆的混合液、餐厨垃圾等沼气生产原料都能够被高效的输送。

For the specific characteristics of raw materials in biogas production, rotor pumps can efficiently transport fluid media that contain particles and have high viscosity. This includes materials such as organic sludge, cow manure, chicken manure, pig manure, straw mixtures, and kitchen waste used as raw materials in biogas production.



帕普生转子泵的在线维护特性，使得更换所有与介质接触的部件在现场就可以轻松完成，而不需要移动任何驱动或管路。

帕普生拥有多样化的转子型式设计，模块化的设计使得每个泵都能适用所有类型的装子，而不需要做任何改变。宽边转子技术，加宽的转子与泵壳之间的密封线，最大化延长了转子的耐用寿命。螺旋转子提供稳定、低脉动的输送效果。

Pumpseen rotor pumps feature online maintenance capabilities, allowing for the easy replacement of all parts that come into contact with the media on-site without the need to move any drives or pipelines.

Pumpseen offers a variety of rotor designs, and the modular design ensures that each pump can accommodate all types of rotors without any modifications. The wide-edge rotor technology increases the sealing line width between the rotor and the pump housing, maximizing the rotor's lifespan. Spiral rotors provide stable, low-pulsation delivery.



沼气设备

BIOGAS EQUIPMENT

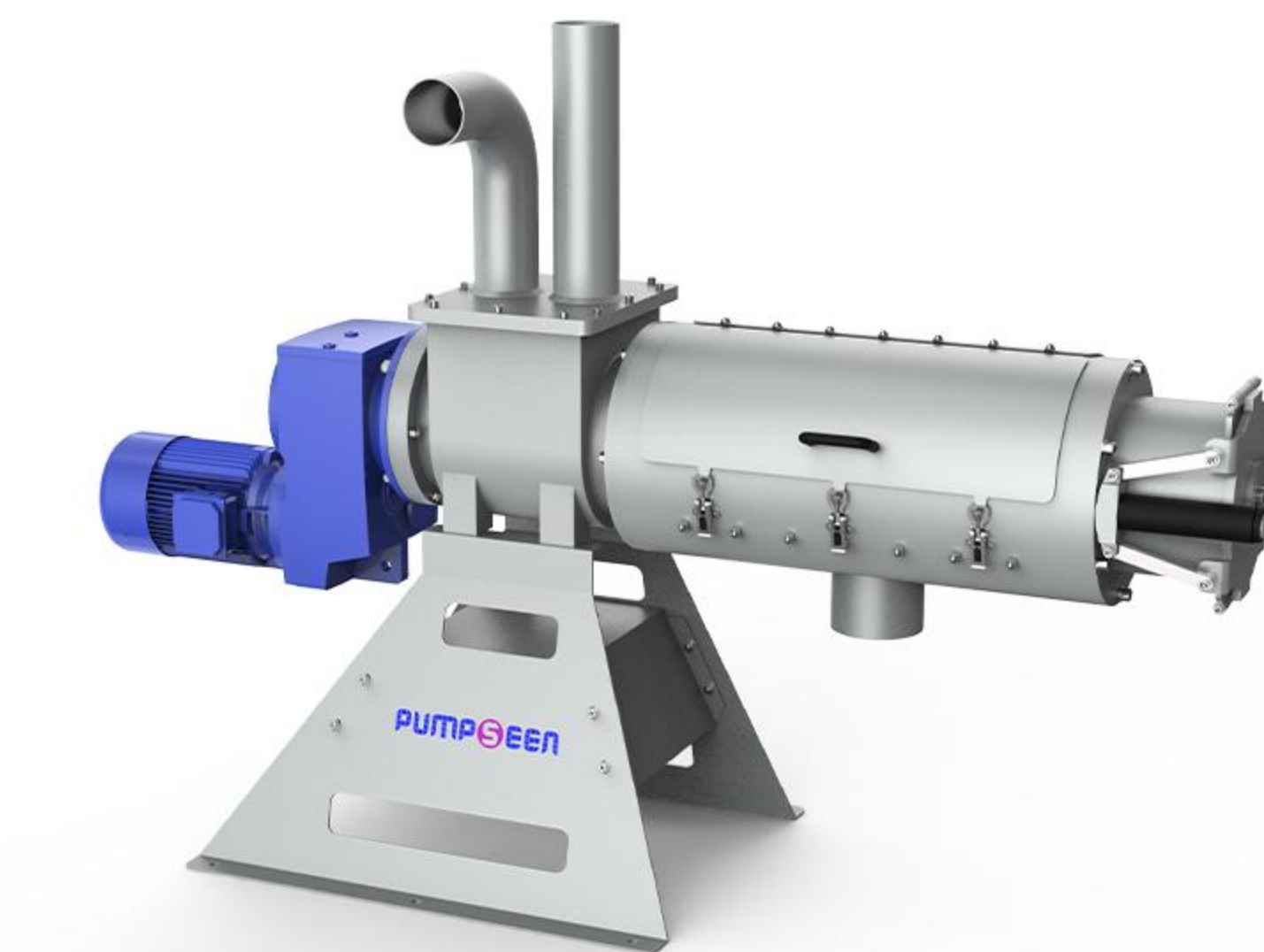
螺旋进料器 Screw Feeder



帕普生干式喂料设备及高效的沼液输送泵是一个沼气发酵厂的技术装备，安装位置灵活，干式桔杆类物料实现封闭式管道输送，不受外界环境影响，可以被安置在沼气发酵工厂的大部分位置。通过阀门控制的多支管管路设计将所有的发酵罐与帕普生干式喂料器+泵系统连接起来组成封闭系统。喂料装置将干料添加进入管道中循环的沼液流中，通过相应支管上的阀门控制将混合了干料的沼液输送到指定的发酵罐中。帕普生干式喂料设备的压缩室结构设计及混合室和叶片的布局将有效消除底层饲料中的空气泡，减少发酵罐中的漂浮层。

Pumpseen's dry feeding equipment and efficient biogas liquid transport pumps are essential components of a biogas fermentation plant. With flexible installation, the dry stalk materials achieve enclosed pipeline transportation unaffected by external environments, making it possible to place them in most areas of the biogas fermentation plant. The design of multi-branch pipelines controlled by valves connects all fermentation tanks with Pumpseen's dry feeder + pump system into an enclosed system. The feeding device adds dry materials to the circulating biogas liquid in the pipeline, and the mixed biogas liquid is transported to the designated fermentation tank through valves on the corresponding branches. The structure design of the compression chamber and the layout of the mixing chamber and blades in Pumpseen's dry feeding equipment effectively eliminate air bubbles in the bottom layer of the feed, reducing the floating layer in the fermentation tank.

干湿分离机 Solid-Liquid Separator



脱水机外壳与螺旋轴之间的空间被圆柱型的楔形筛网分割成内室和外室，螺旋轴由减速电机驱动。当含有固体的流体如沼液，液体肥料或含有纤维的液体从法兰口进入帕普生脱水机内室，通过螺旋轴转动推进挤压，水份将从楔形筛网排出到外室，通过法兰口最终排出脱水机。固体部分将保留在筛网内部，并继续向前推进到从压板处排出。帕普生脱水机的脱水率是可调的，通过调节与压板相连的预紧弹簧组件的松紧程度，来控制介质脱水的程度。

The dewatering machine shell and screw shaft space are divided into inner and outer chambers by a cylindrical wedge wire screen. The screw shaft is driven by a reduction motor. When solid-containing fluids such as biogas liquid, liquid fertilizer, or fiber-containing liquids enter the inner chamber of the Papusen dewatering machine from the flange port, the rotating screw shaft advances and compresses the material, expelling water through the wedge wire screen into the outer chamber and finally discharging it from the dewatering machine through the flange port. The solid part remains inside the screen and continues to advance forward to discharge from the pressure plate. The dewatering rate of Pumpseen's dewatering machine is adjustable by adjusting the tightness of the pre-tension spring assembly connected to the pressure plate to control the degree of dewatering of the media.

PARTNERS

部分合作伙伴 PARTNERS

CATL
宁德时代



EVE 亿纬锂能



中建环能
SCIMEE

huafon
华峰超纤



HUNTSMAN
亨斯迈



神华集团
SHENHUA GROUP

MCC
中冶京诚



碧水源
OriginWater



时代桃源
FAIRY LAND