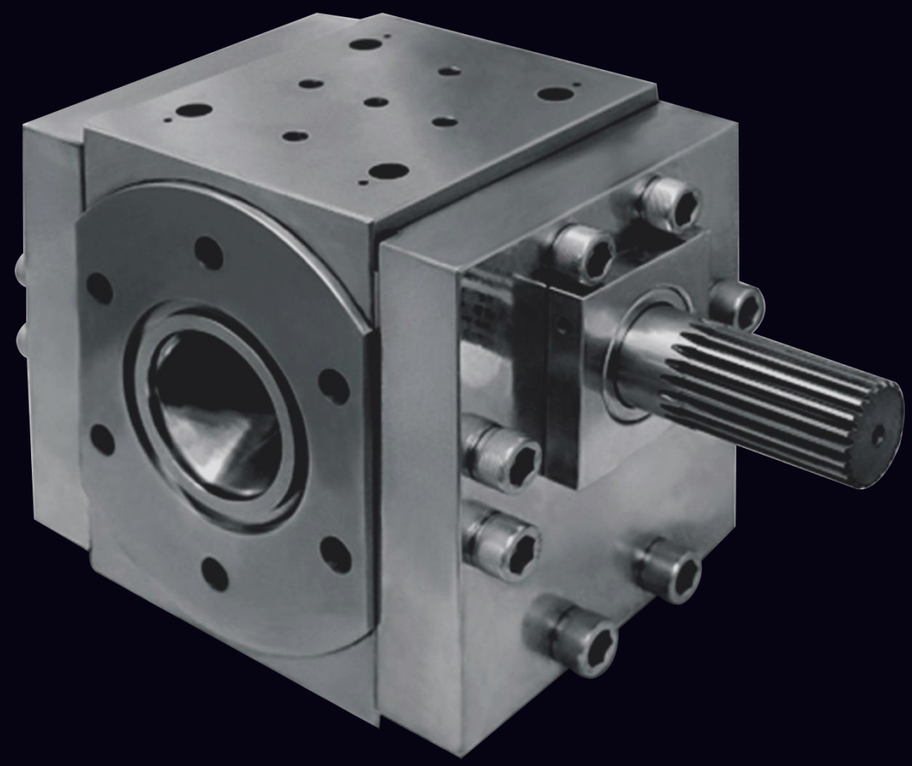
JONSN · 琼森
MICRO GEAR PUMPS



DX

PRECISION METERING GEAR PUMPS

精密级齿轮计量泵

JONSN · 琼森
MICRO GEAR PUMPS

用心、专注做好每一台齿轮泵就是我们的创业初心

Attentively focusing on each high precision micro gear pumps is our initial aspiration

■ 上海琼森流体设备有限公司 (国内销售)
SHANGHAI JONSN FLUID EQUIPMENT CO,.LTD

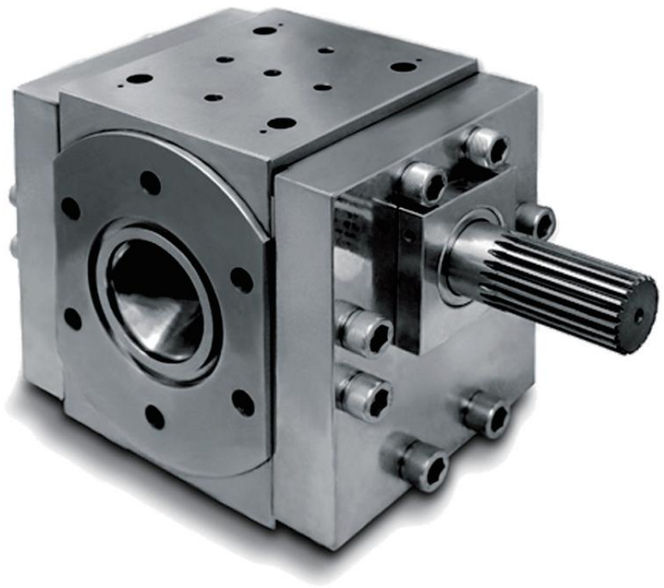
地址：上海市松江区久富经济开发区金马路59号3幢403
电话：021-34720020　　传真：021-67689517
网址：www.jonsn.cn　　邮箱：lijun@jonsn.cn

■ 琼森（赣州）流体科技有限公司 （赣州工厂）
JONSN (GANZHOU) FLUID TECHNOLOGY CO., LTD

网址：www.jonsn.com
国际贸易：tina@jonsn.com
地址：江西省赣州市经济技术开发区经三路6号厂房2

DX

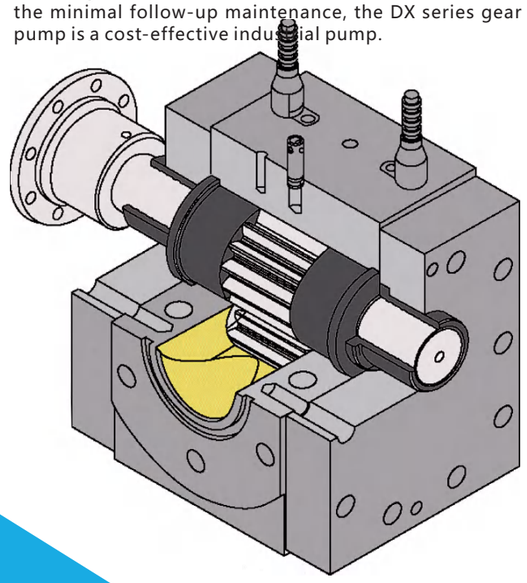
DX 系列齿轮计量泵
DX Series Metering Gear Pumps



Dx系列齿轮计量泵特点
Characteristics of DX gear metering pump

DX系列产品作为真正的精密齿轮泵，采用模块化设计，广泛用于流体计量、输送、增压。适用于化工、制药工业、聚合物的输送和计量。基于我们长期的选型和运用经验，在泵的结构设计和选材进行优化，所有的齿轮和配合都经过精细研磨、使得DX系列泵能运用于各种工艺，即使在真空、高压、高精度计量工况下运行平稳，足以满足苛刻条件，由于后续极少的维护，所以DX系列齿轮泵是一款高性价比的工业泵。

As a real gear pump, DX series products adopt modular design and are widely used in fluid metering, transportation and pressurization. Suitable for chemical industry, pharmaceutical industry, polymer delivery and metering. Based on our long-term selection and operation deep experience, the structural design and material selection of the pump are optimized, and all gears and fits are finely ground, so that the DX series pumps can be used in various processes, even operate stably under vacuum, high pressure, and high-precision metering conditions, meet the harsh conditions. Due to the minimal follow-up maintenance, the DX series gear pump is a cost-effective industrial pump.



性能参数
Performance parameters

排 量 范 围: Displacement range	**0.2-3200 cc/rev,**
入口压力范围: Inlet pressure range	**从真空到最大15bar** Vacuum-15 bar
输出压力范围: Output pressure range	**最大≤40Mpa** ≤40 Mpa
最 高 温 度: Max. temperature	**最大≤400℃，电棒、导热油、蒸汽或热水加热** ≤400°C, electric torch, conduction oil, steam or hot water heating
粘 度 范 围: Viscosity range	**0.5-100000cps**
非标定制 Non-standard can be customized	

注：以上数值为最大值，在一些特定条件下可能达不到，请按选型为准。
Kindly be noted that above data are maximum data, under some certain conditions, it may not reach, please refer to model selecting sheet.。

泵体材质
Pump material

泵体: Pump body:	**不锈钢、合金钢、钽合金、双相不锈钢、哈氏合金** Stainless steel, Alloy steel, Tantalum alloy, Duplex stainless steel, Alloy C.
齿轮: Gear:	**双相不锈钢、渗氮钢特种材料及涂层可提定，齿形为直齿、斜齿或人字齿** Duplex stainless steel, Nitriding steel special material & coating customized, shape could be straight gear, helical gear or herringbone gear.
滑动轴承: Sliding bearing:	**石墨、碳化硅、氧化锆、银镍合金、钛钽合金特种材料及涂层** graphite, carborundum, zirconia, silver & nickel alloy, titanium tantalum alloy special materials & coating.
轴封: Shaft seal:	**螺旋密封、机械密封、填料密封** spiral seal, mechanical seal, packing seal.

泵体型号说明
Pump configuration code

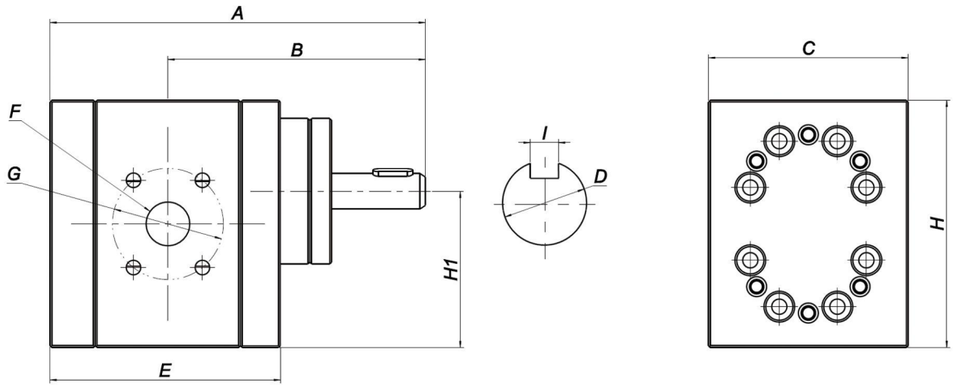
DX	20	S
1	2	3

1.泵系列号
2.排 量 cc/rev 毫升/转 如：20 = 20 cc/rev
3.泵体材质 S 不锈钢 C 碳钢

1. Pump serial number
2. Displacement: cc/rev e.g: 20=20 cc/rev
3. Pump material: S - Stainless steel; C- Carbon steel

DX

DX 系列尺寸图
DX Series Dimension Drawing

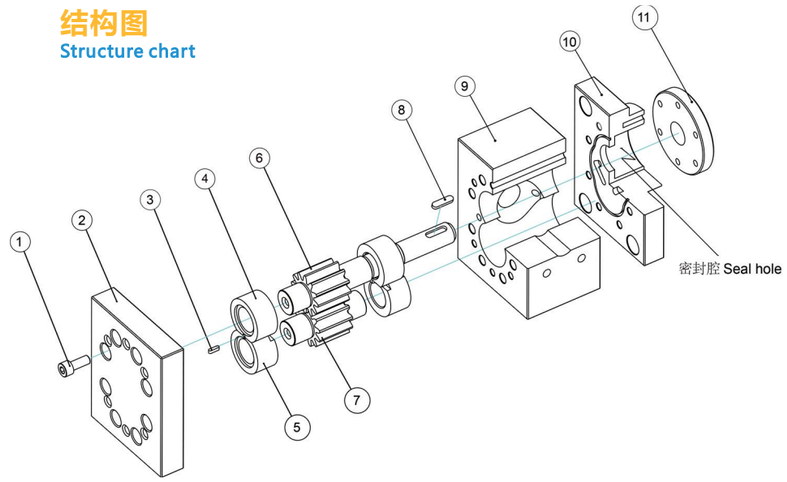


Model	cc/rev	A	B	C	D	E	F	G	H	H1	I
DX-0.2	0.2	125	70	90	Φ10	70	Φ10	Φ45	85	51.5	3
DX-0.5	0.5	125	70	90	Φ10	70	Φ10	Φ45	85	51.5	3
DX-1	1	185	100	135	Φ16	100	Φ15	Φ55	100	64	5
DX-2	2	185	100	135	Φ16	100	Φ15	Φ55	100	64	5
DX-5	5	185	100	135	Φ16	100	Φ15	Φ55	100	64	5
DX-10	10	240	130	175	Φ20	130	Φ20	Φ70	130	81	6
DX-20	20	270	150	200	Φ25	140	Φ30	Φ80	150	95	8
DX-31.5	31.5	315	150	230	Φ30	170	Φ40	Φ90	170	110	10
DX-50	50	335	170	240	Φ35	190	Φ45	Φ100	190	123.5	10
DX-100	100	370	200	260	Φ40	220	Φ50	Φ120	200	132.5	渐开线外花键
DX-150	150	420	220	295	Φ45	250	Φ65	Φ140	240	156.5	
DX-200	200	450	230	320	Φ55	260	Φ85	Φ160	260	175	
DX-250	250	500	240	350	Φ60	300	Φ90	Φ170	280	190	
DX-315	315	500	240	350	Φ60	300	Φ90	Φ170	280	190	
DX-500	500	610	320	415	Φ70	390	Φ110	Φ220	360	237.5	
DX-800	800	695	360	485	Φ80	420	Φ115	Φ240	400	264	
DX-1200	1200	860	420	610	Φ85	500	Φ125	Φ250	450	301	
DX-3200	3200	840	500	550	Φ117	580	Φ130	Φ350	604	392	

DX

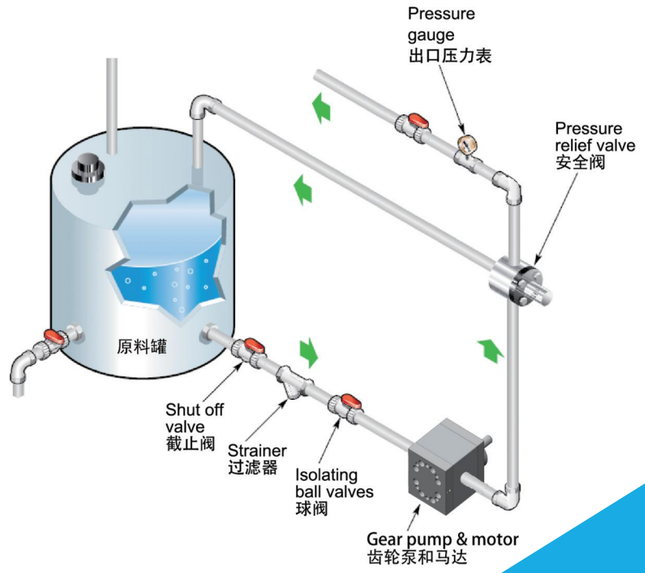
DX 系列齿轮泵结构及系统图
DX Series Gear Pump Structure & Systerm Drawing

结构图
Structure chart



1.螺栓	Screws for cover
2.后端盖	Cover non-drive side
3.键	Key for plain bearing
4.滑动轴承	Plain bearing upper
5.滑动轴承	Plain bearing lower
6.主动齿轮轴	Drive shaft
7.从动齿轮轴	Short shaft
8.键	Key for coupling
9.泵体	Body
10.前端盖	Cover drive side
11.密封盖板	Seal cover

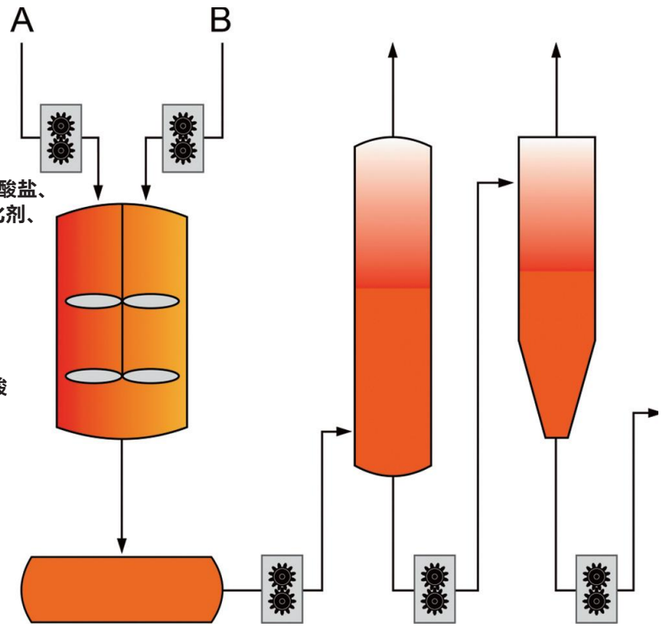
系统安装图
System installation drawing



DX

DX 系列化工和胶粘剂应用
DX Series Chemical & Adhesive Application

化工应用
Chemical and Industrial application



脂肪和油：
脂肪酸、 石蜡、脂肪、甘油、 卵磷脂、 油和热传递油
有机产品和无机产品：
洗涤剂、添加剂、酒精、矽酮、酸、酯、 内酰胺、 异氰酸盐、
苯乙烯和衍生物、 聚乙二醇、 甘油、 酚、 塑化剂、固化剂、
环氧基树脂、 甲醛和衍生物
油漆和色素:
水或溶剂中的色素、胶粘剂、清漆、分散剂和环氧树脂
聚合物:
环氧树脂、 酚树脂、 预聚物和纤维素生物
药学产品：
植物提取物、维生素、乳胶、药学制剂、蛋白质和胺基酸
其它:
精密计量、喷涂、灌装、加注

Fat & Oil:
Fatty acids, paraffin, fats, glycerin, lecithin, oils and heat transfer oils
Organic and Inorganic Products:
Detergents, additives, alcohols, silicone, acids, esters, lactams, isocyanates, styrene and derivatives, polyethylene glycols, glycerin, phenols, plasticizers, curing agents, epoxy resins, formaldehyde and derivatives
Paints and pigments:
Pigments in water or solvents, adhesives, varnishes, dispersions and epoxies;
Polymer:
Epoxy resins, phenolic resins, prepolymers and cellulose bio;
Pharmaceutical products:
Plant extracts, vitamins, latex, pharmaceutical preparations, proteins and amino acids;
Others:
Precision metering, spraying, and filling;

DX

DX 系列化工和胶粘剂应用
DX Series Chemical & Adhesive Application

化学工艺
Chemical technology

精密分配催化剂和添加剂、输送反应釜底的高压高温物料、服务于立式容器和真空薄膜蒸发器，以及从真空罐中抽送.

Precise distribution of catalysts and additives, conveying high-pressure and high-temperature materials at the bottom of reactors, serving vertical vessels and vacuum thin-film evaporators, and pumping from vacuum tanks.



维生素



油墨

高精度输送工艺
Structure chart

比如热熔点胶、涂布行业、热熔胶行业涉及高温、高粘度和高压、例如输送胶粘剂、树脂、蜡、聚氨酯和硅树脂。

Such as hot melt dispensing, coating industry, hot melt adhesive industry involves high temperature, high viscosity and high pressure. Examples include conveying adhesives, resins, waxes, polyurethanes and silicone.



石蜡



玻离胶、热熔胶



聚氨脂

DX

DX 系列齿轮泵控制系统
DX Series Gear Pump Control Systems

系统特点
System characteristics

控制系统采用PLC可编程控制模式，配有先进的人机界面，能对高粘度介质配料、定量加注、温度控制、液位控制、压力控制、电机转速进行全方位的自动和手动控制，控制系统能很好的发挥齿轮泵在精密计量的优势。

The control system adopts PLC variable control mode, equipped with advanced human-machine interface, which can perform all-round automatic and manual control on high-viscosity medium batching, quantitative filling, temperature, liquid level, pressure, and motor speed. The control system is able to give full play to the advantages of gear pump and precision metering.



系统模块
Structure chart

操作模块：PID数显仪，PLC可编程人机界面。
输送模块：DX齿轮泵
执行模块：伺服电机+减速机、变频电机+减速机、电加热棒、压力传感器、液位开关
报警模块：特定条件下报警（声/光）

Operation module: PID digital display, PLC programmable man-machine interface
Delivery module: DX gear pump
Executive module: servo motor + reducer, variable frequency motor + reducer, electric heating rod, pressure sensor, liquid level switch
Alarm module: Alarm (voice/ light) under certain conditions

功能说明
Structure chart

1. 预设流量停泵（定量控制）　2. 出口液位控制开停泵 3. 远程（遥控）开/关泵　4. 入口液位控制开停泵
5. 现场实时流量/累计流量显示 6. 报警：声/光报警提　7. 泵空后防止干转停泵　8. 定时开/停泵

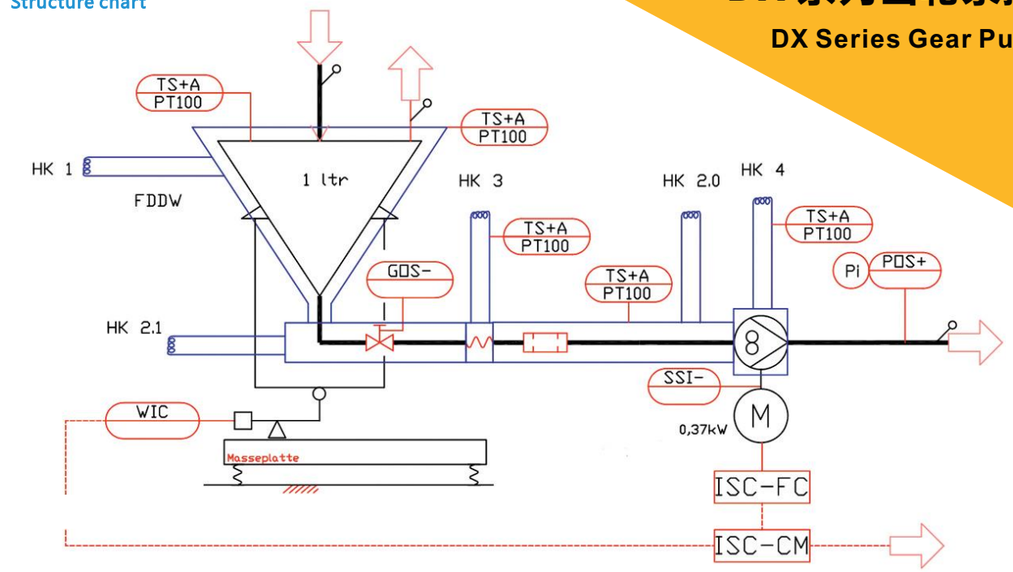
订货说明

1.以上功能均按实际需要选配，功能可以组合使用，订货时需要明确供货要求。
2.流量计受介质特性、腐蚀性、颗粒、粘度、温度影响而需要选择不同类型的流量计，订货时需要确认实际工况。

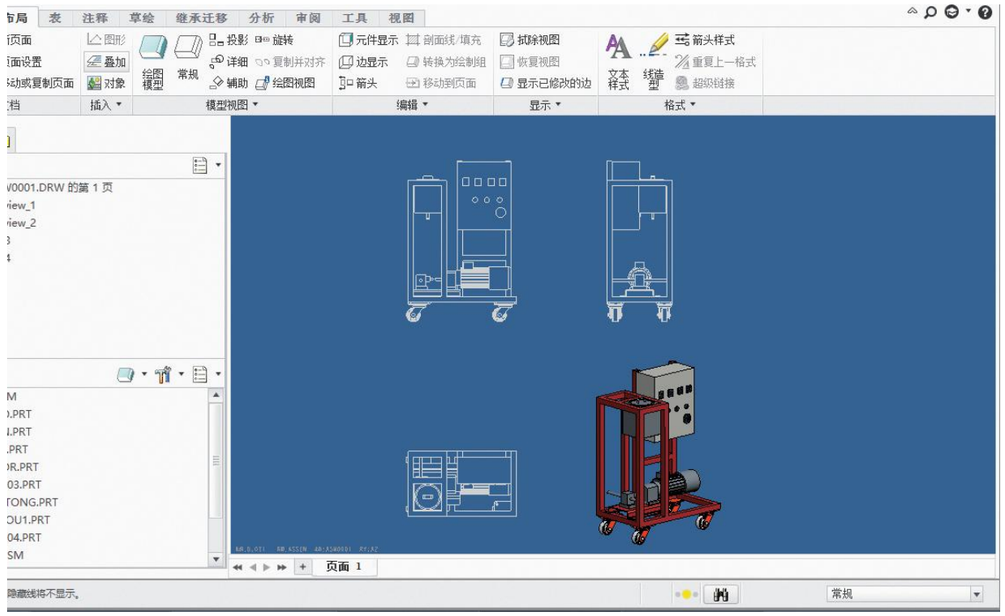
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DX 系列齿轮泵控制系统
DX Series Gear Pump Control Systems

流体控制系统解决方案
Structure chart

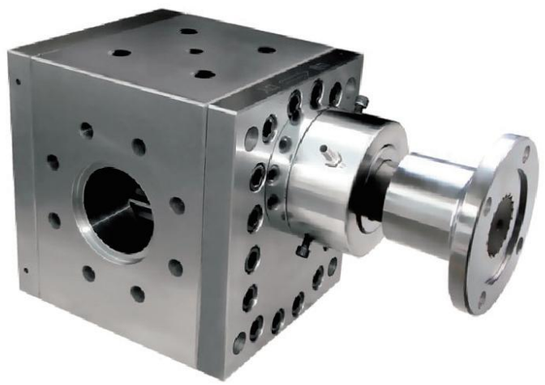


流体成套设备研发
Structure chart



DX

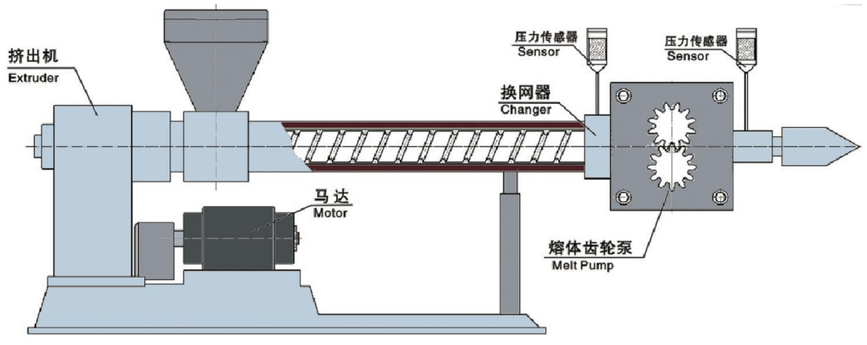
DX 系列挤出工艺应用
DX Series Extrusion Process Applications



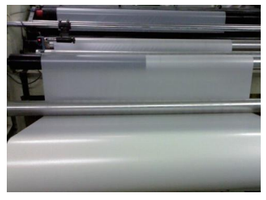
挤出工艺应用
Extrusion process application

低密度聚乙烯、高密度聚乙烯、超高分子聚乙烯、聚丙烯、聚丁烯、尼龙6、尼龙66、塑化聚氯乙烯、聚甲醛、聚醚酮、聚异丁烯、弹性体。

Low-density polyethylene, high-density polyethylene, ultra-high molecular weight polyethylene, polypropylene, nylon 6, nylon 66, plasticized polyvinyl fluoride, polyoxymethylene, polyetherketone, polyisobutylene, elastomers.





SELECTION PARAMETERS
选型参数

客户编码: _____ 地址: _____
Customer code Address

公司: _____ 电话/分机: _____
company Extension

姓名: _____ 传真: _____
Name Fax

部门: _____ 邮箱: _____
Department E-Mail

介质 Medium

名称: _____ 粘度: _____ cps
Name Viscosity

应用领域: _____ 介质温度: _____ °C
Application areas Medium temperature

浓度: _____ % 环境温度: _____ °C
Concentration Ambient temperature

是否易燃易爆: □是 Yes □否 No 固体含量: □是 Yes □否 No □软 Soft □硬 Hard
Whether explosive

密度: _____ 介质状态: □流动性 Fluidity □触变的 Thixotropy □粘稠 Sticky □固化 Curing
Density Media status

操作条件 Operating conditions

需要的流量: _____L/min或_____ L/h 出口压力(含管道阻力) : _____ bar
flow Outlet pressure

入口压力: 正压_____ kpa 或 自吸高度_____ M 工作频率: □连续工作 □间歇工作
Inlet pressure Positive pressure or Suction Working frequency Continuous Intermittent Intermittent

真空度: _____ Kpa
Vacuum

驱动马达 Drive motor

□单相普通电机 Single phase
□三相普通/防爆/变频调速电机 Three phase
□24V直流无刷电机 24V BLDC motor
□24V步进/220V伺服电机 24V Stepper motor / 220 Servo motor

应用工况 Application conditions

□无脉动输送 No pulsation in the mouth
□计量喷雾 Metering spray
□冷却 Cool down
□冲洗 Wash
□增压 Pressurization
□循环 Circulation
□润滑 Lubricating
□其它 Other

您的要求 Your requirements

在这请描述您的运用或写下您的备注:
Please describe your application here or write down your remarks: