

代表性用户



方案特点 Solution features :

- 管道完全封闭, 无粉尘, 对周围环境无污染, 不需要再安装其它除尘设备;
Totally closed pipeline makes no dust, no pollution to the environment, no need to install other dust removal equipments;
- 可提供应用于防爆区域的解决方案;
Applicable for explosion-proof area;
- 系统消耗功率小, 能耗低; 维护及维修成本低;
Require minimum power and energy consumption; low cost for maintenance and repair;
- 可以采取高自动化程度的方式控制, 提高工厂现代化水平;
High-degree automation control method can be adopted to improve the modern level;
- 可以根据工况提高盘片的耐磨性, 降低维护成本;
Enhance the abrasion performance of the disks according to the condition, lower the maintenance cost;
- 特殊的清洗机构及链条设计, 可以在一定程度上满足客户清洁度的要求;
Special cleaning mechanism and disks are design to meet the cleanliness requirement of the customers.
- 特殊工艺的链条及测试检验流程, 保证了链条的强度, 增强了系统运行的可靠性;
Special process chains and testing procedure is adopted to ensure the strength of the chains and enhance the reliability of the system.
- 特殊的出料方式设计, 可在一定程度上满足同一管线中输送不同物料的残留比例要求;
Special designed discharging way can satisfy the residual ratio requirement for conveying different material in the same pipeline to some extent.
- 系统运行可靠, 噪音低, 改善现场的工作环境。
Reliable operation, lose noise, improve the onsite working environment.
- 丰富的现场安装调试经验, 可以满足客户现场的各种难题;
Rich experience in on-site installation and debugging can meet customers' different problems.
- 方案灵活性强, 可根据客户不同工况, 可进行人工投料、槽罐车投料和集装箱车投料, 可实现多点投料、多点出料, 优化调整方案;
Flexible solution can be provided according to customers' different working condition. Manual feeding, tank truck feeding and container feeding can be adopted. Multiple feeding, multiple discharging can be achieved to optimize the solution.



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管链输送系统解决方案 Tubular chain conveying solution



汉瑞普泽粉粒体技术 (上海) 有限公司
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公司简介

致力于提供有竞争力的固体散料处理的解决方案与服务，持续为客户创造最大价值。

汉瑞普泽粉粒体技术（上海）有限公司/上海汉瑞机械工程有限公司创建于2002年，上海市高新技术企业，中国石化集团一级供应商，全国管道物料输送专业委员会常务理事单位。是专业固体散料处理系统一揽子解决方案提供商，包括工程设计承包、设备制造、安装调试与技术服务于一体的高新技术企业。主要服务于石油化工、化纤、塑料、医药、食品、军工、环保、包装、涂料、烟草等行业。

管链输送系统

管链输送解决方案适用于连续输送粉状、小颗粒状及小块状等散状物料。可以水平、倾斜和垂直组合输送。也可适用于防爆区域的物料输送。

解决方案可以根据客户不同物料，不同输送距离，不同上下游需要，针对性设计解决方案，包括应用于防爆区域的物料输送。

以链条为传动，带动固体物料在密闭的管道内运动。水平输送时，固体物料受到盘片在运动方向的推力，当料层间的内摩擦力大于物料与管壁的外摩擦力时，物料就随盘片向前运移动，形成稳定的料流；当垂直输送时，固体物料受盘片向上推力，同时下部给料阻止上部物料下落，产生了横向侧压力，增加了物料的内摩擦力，当物料间的内摩擦力大于物料与管内壁外之间摩擦力及物料自重时，物料就随盘片向上移动，形成连续料流。

输送能力 ≤ 300m³/h

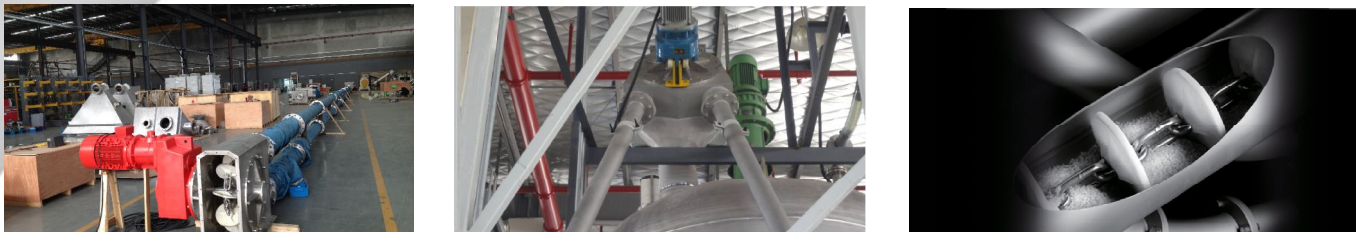
输送距离 水平距离 ≤80m 垂直距离 ≤60m

单条管链系统功率≤15KW

适用范围：
化工、化纤、化肥、食品、医药原料、染料等行业中固体散料、添加剂、催化剂等

主要类型：
环链式、绳式、板式。

配套设备：
吨袋拆包机，手动倒袋站，除尘器，旋转给料器，气动滑板阀，气动三通阀，除铁器，料位计等。



Company profile

Dedicated to provide excellent solutions and services of handling solid material in order to consistently create maximum value for customers.

Hanrui Puzer Bulk Handling Technology (Shanghai) Co., Ltd /Shanghai Hanrui Machine Engineering Co., Ltd is a science and technical company integrated with designing, manufacturing, sales and services.The products are mainly used in petroleum, chemical industry, chemical fiber, medicine, food and other fields.

Tubular chain conveying solution

Tubular chain conveying solution

The chain, as the drive device, drives the material moving in the closed pipeline. When conveyed horizontally, the solid material is pushed by disk in the running way. When the internal friction of the material layer is larger than the external friction between the material and pipe wall, the material will move forward via the disks and form stable material flow; When conveyed vertically, the material is pushed up by the disks, at the same time, the bottom feeding will prevent the upper material from falling down, thus generates horizontal side pressure which increases the internal friction. When the internal friction between the materials is larger than the external friction between the material and pipe wall and its own gravity, the material will move upward via disks and thus forms continuous material flow.

Related parameters:3.5
Conveying capacity≤ 300m³/h
Conveying distance: Horizontal distance≤ 80m Vertical distance≤ 60m

Application ranges:
Chemical, chemical fiber, fertilizer, food, pharmaceutical raw materials, dyes and other industries in solid powder, additives, catalysts, etc

Main type:
Chain type, rope type, plate type

Related products:
Big bag unloading, dump station, dust collector, rotary feeder, pneumatic slide valve, pneumatic diverter valve, iron removal device, level sensor, etc.

HTC100								
Q(m³/h)	1.25	2	2.7	4	5.5	7	9	11
P(kw)	0.75	1.1	1.5	2.2	3	4	4	5.5
V(m/s)	0.06	0.09	0.13	0.19	0.26	0.33	0.42	0.51
n(1/min)	3.5	5.5	7.5	11	15.2	19.3	24.8	30.4

HTC125								
Q(m³/h)	2	3.2	4.5	6.5	8.9	11.2	14.2	17
P(kw)	1.1	1.5	2.2	3	4	5.5	5.5	7.5
V(m/s)	0.06	0.09	0.13	0.19	0.26	0.32	0.41	0.51
n(1/min)	3.4	5.4	7.6	11	15	19	24	29

HTC150										
Q(m³/h)	1.1	2.3	4	5.2	8.5	11.2	14.7	19	21	25.5
P(kw)	0.75	1.1	1.5	2.2	3	4	5.5	7.5	7.5	11
V(m/s)	0.02	0.04	0.07	0.09	0.15	0.2	0.26	0.33	0.37	0.45
n(1/min)	0.9	1.9	3.3	4.3	7.1	9.4	12.3	15.9	17.6	21.5

HTC200										
Q(m³/h)	1.9	4	6.8	9	14.7	19.5	25.5	32.9	36.4	44.5
P(kw)	1.5	2.2	3	4	4	5.5	7.5	11	11	15
V(m/s)	0.02	0.04	0.07	0.09	0.15	0.2	0.26	0.33	0.37	0.45
n(1/min)	0.9	1.9	3.3	4.3	7.1	9.4	12.3	15.9	17.6	21.5

HTC250				
Q(m³/h)	15	33	44.5	63
P(kw)	5.5	7.5	11	18.5
V(m/s)	0.1	0.21	0.29	0.41
n(1/min)	3.7	8.2	11	15.6

