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UNI-Mechanical conveyors UNI-机械输送机

关于我们

HIWAY的设计和生都是在意大利完成,具有一流的质量和可靠性,在世界任何地方都能得到良好的技术支持。HIWAY是创新输送系统中输送粉料的最佳供应商。

Our company

HIWAY design and manufacture their products in Italy, assuring quality, reliability and assistance. HIWAY is leader in the field and is synonymous with high quality in a wide range of innovative systems for the handling of bulk materials and powders.

Unsere Firma

HIWAY entwickelt und stellt alle ihre Erzeugnisse in Italien dank der Professionalität und Zuverlässigkeit her. HIWAY hat eine führende Stellung in diesem Bereich und der Name ist mit hoher Qualität unter vielen Systemen für die Bearbeitung von Losen- und Pulverwaren gleichbedeutend.

Nuestra empresa

HIWAY proyecta y construye todos sus productos en Italia, garantizando profesionalidad, fiabilidad y asistencia. HIWAY es un nombre líder en este sector y es sinónimo de alta calidad en el ámbito de una vasta gama de sistemas para la manipulación de materiales a granel y en polvo.



Leader in powder handling

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HiWay®

Leader in powder handling

粉料处理领导者

HiWay机械输送机

HiWay HiWay机械分配输送机适用于回路内多个点的各类粉料，颗粒的运输和分配。一套系统是由联管子或两件或多件转角轮构成，管子内通了绳子或带塑料盘的链条。

绳子/链条咬合在特殊弧线内的专用齿环上，并且在管路内被轴向牵拉。系统通过绳子/链条的自动张紧机制，由一个牵引组件驱动主机。

盘会通过绳子/链条给予的线性速度，以机械方式牵拉物料。

物料的卸载利用了重力，通过运输管路沿线安装的手动或气动控制截断阀而完成。

低能耗，粉料不流入环境，输送不同密度产品的可能性，既有设备内的轻松整合是的该系统有效，可靠，环保且非常多功能。

HiWay使用了优质材料：牵引组件，加载料斗，卸载口采用AISI 304或316不锈钢，边缘弧线采用铝熔铸，管子采用了镀锌碳钢或不锈钢，纺织纤维，链条为水泥碳钢或不锈钢，盘为聚氨酯，尼龙，玻璃纤维尼龙，海翠等材料。低电功率（见表格），最小的必要维护，安装的简便性，精粹的设计，系统的可组合性，高性能使得HiWay输送机成为适合最困难需要的多功能系统。



HiWay Mechanical Conveyors

HiWay distribution conveyors are designed to convey and distribute a wide variety of powders and granulate products to multiple outlets of the circuit. They consist of special housings linked by tubes, through which a cable or chain fitted with plastic discs runs.

In each of the housings is a sprocket which turns the cable/chain and moves it on to the conveying tubes. The system is started by a drive unit and the cable/chain is tensioned automatically. The discs carry the material by mechanical action thanks to the linear speed imparted by the cable/chain.

The material is discharged by gravity action through manual or pneumatic outlet valves, which are mounted on the tube.

The low power requirements, the totally enclosed, dust-free handling environment, the wide variety of handled products with different specific weights and the extreme adaptability of the system to already existing plants make HiWay mechanical conveyors highly efficient, reliable, ecological and versatile.

HiWay mechanical conveying systems are manufactured from very high quality materials: drive units, loading hoppers and discharge ends are made of mild steel or 304 or 316 stainless steel, corners are in cast aluminium and tubes in either galvanised mild steel or stainless steel, cables are produced in galvanised mild steel, stainless steel or textile fibre, chain are produced in hardened carbon steel or stainless steel, discs are available in polyurethane, nylon, hytrel etc.

The low power requirements (see table), the minimal maintenance, the simple assembly, the fine design, the modular construction and the high performance of the system make HiWay highly adaptable to meet the most difficult challenges.

主要元件 - Main components



驱动主机

UNI系列牵引组件经过了设计，满足了最严苛的颗粒，粉料运输需求。大尺寸窗口可以实现内部检查。UNI牵引组件可用于含直径60-76-114mm管路的设备。可以是不锈钢也可以是涂漆碳钢材质。牵引组件可以处于内部和外部环境内。

Drive units

Drive units are used to drag the cable inside the conveying tubes. The drive units have been designed to cope with the most demanding requirements when conveying powders and granulates. A large front door allows an easy access to the inside components for inspection. The drive units are available in several models. Painted steel and stainless steel version are available. The UNI drive units are suitable for indoors and outdoors installation.



加载料斗

分配输送机的加载务必一直规范稳定。目前已经专门研究了各类料斗，既包括含配备可手动调节的分流阀门的重力料斗，也包括配备了集成螺旋输送机，从而抽出和传送管路内适量产品的从动料斗。可以是不锈钢也可以是涂漆碳钢材质。

Loading hopper

Loading hoppers are used to dose the material into the feeding line. The distribution conveying systems must be always fed regularly and constantly. Several are the solutions designed for feeding all conveyors: an inlet gravity hopper with manually operated shutters and an automatic inlet hopper with an integrated screw feeder, which can extract and convey the exact quantity of inflowing material throughout the tube. The loading hoppers are available in stainless steel or in painted steel.



卸载口

该单元可以是自由，手动或气动卸载。可以是不锈钢也可以是涂漆碳钢材质。

Discharge units

The discharge units allow the material to be dropped in several points of the feeding line and can be always open or can be operated with hand, automatic or electric shut-off valves. They are constructed in stainless steel or in painted steel.



转角轮

转角轮采用了铝外壳构成，后者可以打开侧边，从而检查，并且含有球状铸铁的滑轮。标准款型为90°，还可以定制不同角度。

Corners

Corners allow the direction of the system to be modified. The corners are fitted with cast aluminium casings, which can be easily opened on one side for inspection. The inner corner wheel is made of cast iron. The standard model has a 90° angle, but different angles are available on request.



绳子和链条

Hiway运输系统，绳子和链条可以有不同尺寸，从而实现各大情况下的最佳性能。

Ropes and chains

The Hiway conveying systems, cable and chain are available with various diameters to provide the optimum performance for every situation.

应用范例 - Examples of applications



机械输送机 - 规格 Mechanical Conveyors - Specifications

款型 - TYPE	安装功率 - POWER	承载 - TROUGHPUT
UNI 48	1,5 KW	1,5 m³/h
UNI 60	1,5/2,2 KW	2,6 m³/h
UNI 76	3 KW	5,5 m³/h
UNI 114	4 KW	10 m³/h
UNI 168	5,5 KW	35 m³/h
UNI 273	7,5 KW	60 m³/h

有ATEX版本可用 - AVAILABLE IN ATEX VERSION

主要的输送材料 - Main products handled by HiWay

石灰 碳酸钙 滑石粉 二氧化钛 硅酸盐 三聚氰胺 尿素 石英粉 樟 干胶片 氧化铅 氧化铁 树脂片 刨花	木粉 碎烟草 丁香 铸铁铰灰尘 瓷砖的冻干土 雾化粘土 炭黑 焦石油 煤炭粉 硅化钙 葡萄籽和葡萄干 李子干 咖啡豆 完整和碎杏仁	湿磨咖啡 咖啡 奶粉 橄榄壳 茶 辣椒 糖 冰糖 爆炒米 爆米花 研磨橡胶 研磨塑料 PVC粉料和颗粒 宠物片	Lime Calcium carbonate Talcum Titanium dioxide Silicate Melanine Urea Quartz power Camphor Dried glue flakes Lead oxide Iron oxide Resine falkes Wood shavings Wood flur Chapped tobacco	Cloves Cast iron file dust Lyophilised eath for tiles Atomised clay Carbon black Petroleum coke Powered coal Calcium silicide Grape seeds and died grapes Dried pulse Cocoa beans Whole and cracked almonds	Wet ground coffee Coffee Milk powder Olive husk Tea Spices Sugar Icing sugar Rice and puffed rice Pop corn Milled rubber Milled plastic Pvc powder and granules Pet flakes
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