



川源（中国）机械有限公司
GSD Industrial Co.,Ltd.



GreatOrientalTrading
www.gotrading.co.th



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097-3619703

1049 ถ.ร่วมธรรมฯ คอหงส์ อ.หาดใหญ่ จ.สงขลา 90110

WLS

无轴螺旋输送机

WLS shaftless spiral conveyor

WLS 无轴螺旋输送机

WLS shaftless spiral conveyor



用途 Application

- 无轴螺旋输送机是污水处理中用途较广的一种输送设备，主要用于输送机械格栅拦截上来的栅渣，以及压榨机、压滤机处理后的泥饼及沉砂等物料。
- 化工、食品、医药、造纸、饮料等领域也有广泛应用。
- The shaftless spiral conveyor is a widely used conveying device in sewage treatment, which is mainly used for conveying residues intercepted by the grids of conveyor and the filter cake and desilting after treatment by squeezer and press filter.
- It is also applied in other fields of chemical engineering, food, medicine, papermaking and beverage etc.

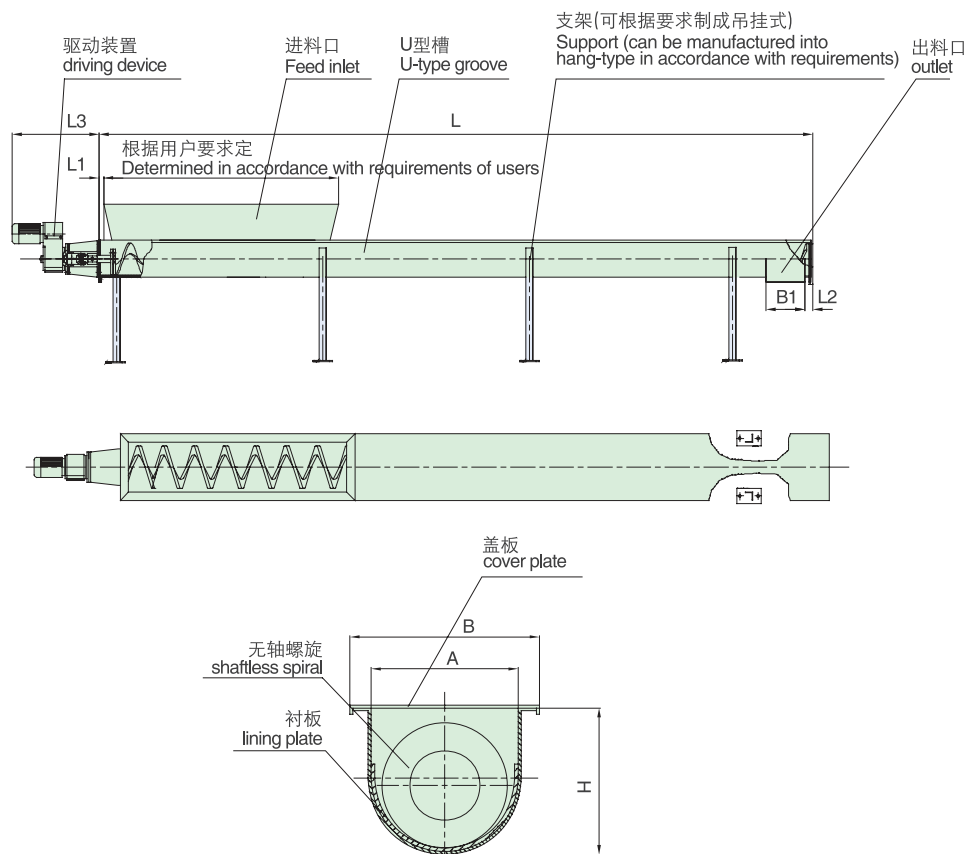
特点 Features

- 构造简单, 料槽中无轴承, 物料输送流畅, 维护简便。
- 具有良好的密封性, 无粉尘和污染泄漏现象, 既不浪费物料又创造良好的工作环境。
- 输送机可在户外使用, 保证所有零件能在恶劣的环境中工作。
- 无论是水平, 还是倾斜状态均可连续输送, 尤其是倾斜输送时它可直接与其配套的设备连接固定, 不需要地基基础, 充分利用空间。
- 除进料口敞开外, 其余部分均加盖封闭, 物料不会外溢, 减少了环境及空气污染。
- U型槽材质为不锈钢 (304、316) 可供用户选择, 螺旋体材质采用碳钢。
- Its configuration is simple that there is no bearing of the batch basin; it conveys materials smoothly and its maintenance is simple and convenient.
- Its air tightness is good and it is free of dust and pollutant leakage, i.e. the materials shall not be wasted and good working environment is created.
- The conveyor can be used outdoors and all components are insured to be able to operate in the worst environment.
- Continuous conveying can be carried out no matter horizontally or slantwise, especially that it can directly be fixed with its supporting devices when carrying out the conveying slantwise. No foundation is needed that the space is used fully.
- All parts are sealed by covers to avoid overflow of materials and to reduce environmental and air pollution except for the feed inlet.
- The materials of U-type groove is stainless steel (304,316), which can be selected by users and the material of spiral is carbon steel.

型号说明 Type description



结构简图 Construction



构造及输送过程

WLS型系列无轴螺旋输送机由无轴螺旋、U形槽、衬板、盖板、进出口和驱动装置组成。物料由进口输入，经螺旋推动后由出口输出。

Configuration and conveying process

WLS type series shaftless spiral conveyor consists of shaftless spiral, U-type groove, lining plate, cover, inlet and outlet and driving device. The materials are inputted through the inlet and sent out from the outlet after driving by the spiral.

技术参数 Technical parameters

栅渣输送机技术特性表 Table of technical features of conveyor of residue

型号 Type	WLS260Z	WLS320Z	WLS355Z	WLS420Z
螺旋槽宽度 (A) mm Width of spiral groove (A) mm	260	320	355	420
B,mm	350	410	445	520
H,mm	265	325	360	425
L1,mm	150	200	200	200
L2,mm	70	70	70	70
L3,mm	400	450	450	450
B1,mm	280	350	400	400
推荐长度L, m Recommended length	≤15	≤20	≤20	≤20
推荐安装角度 Recommended installation angle	≤30°	≤30°	≤30°	≤30°
功率, kW Power	0.75~1.5	1.1~2.2	1.5~3.0	2.2~4.0
输送量, m ³ /h Conveying capacity	2.5	5.4	8.5	12

注:

1. 上述输送量为水平安装时的数据。
2. 功率配备将根据安装角度和输送长度确定。
3. 可按用户特定的尺寸及要求定制。

Notes:

1. The above conveying capacity is the data for horizontal installation.
2. The power configuration shall be determined in accordance with the installation angle and conveying length.
3. It can be customer-made in accordance with specific dimensions and requirements of customers.



技术参数 Technical parameters

泥饼输送机技术特性表 Table of technical features of conveyor of filter cake

型号 Type	WLS260N	WLS320N	WLS355N	WLS420N
螺旋槽宽度 (A) mm Width of spiral groove (A) mm	260	320	355	420
B,mm	350	410	445	520
H,mm	265	325	360	425
L1,mm	150	200	200	200
L2,mm	70	70	70	70
L3,mm	650	700	750	780
B1,mm	280	350	400	400
推荐长度L, m Recommended length	≤15	≤20	≤20	≤30
推荐安装角度 Recommended installation angle	≤30°	≤30°	≤30°	≤30°
功率, kW Power	1.5~3.0	2.2~4.0	3.0~5.5	4.0~7.5
输送量, m ³ /h Conveying capacity	0°	2.4	4.8	8.4
	15°	1.5	3.6	6.4
	30°	1.1	2.4	3.6

注：1. 功率配备将根据安装角度和输送长度确定。

2. 可按用户特定的尺寸及要求定制。

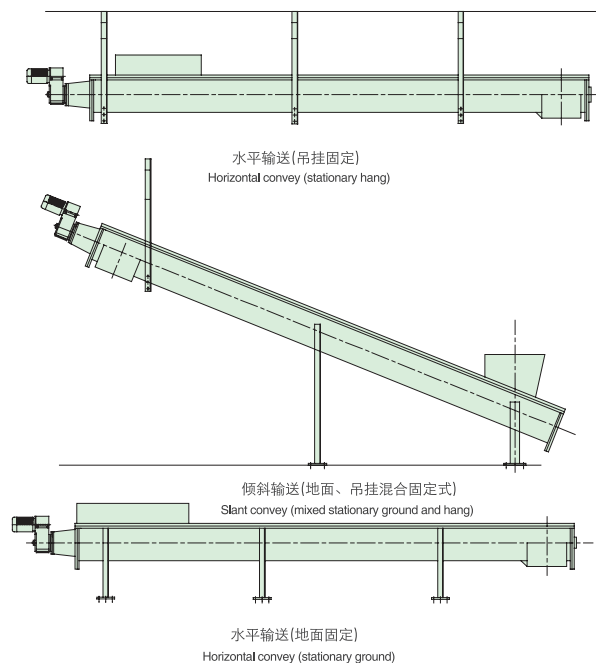
Notes: 1. The power configuration shall be determined in accordance with the installation angle and conveying length.

2. It can be customer-made in accordance with specific dimensions and requirements of customers.

安装方式 Installation mode

本系列定型产品为地面固定式。根据用户需要可供吊挂式或地面、吊挂混合式。

This series shaped product is of stationary ground. The stationary hang or mixed stationary ground and hang shall be supplied in accordance with the requirements of customers.



如蒙洽询请指示下列各项：
For further details, please fulfill the chart below.

客户 Customer _____ 承办人员 Undertaker _____

工程名称 Name of project _____ 工程地点 Address of project _____

电话 Telephone _____ 传真 Fax _____

订购机型 Type _____ 订购数量 Quantity _____

参数一 Parameter 1	* 最大输送量(m ³ /h) Maximum conveying capacity				
	* 输送介质 Conveying material	<input type="checkbox"/> 泥饼 Filter cake	<input type="checkbox"/> 栅渣 Residue	<input type="checkbox"/> 砂 Sand	<input type="checkbox"/> 其他 _____ Others
	* 输送长度(m) Conveying length		* 安装角度 Installation angle		
	* 材质选择 Material selection	无轴螺旋 Shaftless spiral	<input type="checkbox"/> 碳钢 (标准配置) Carbon steel (Standard)	<input type="checkbox"/> SUS304	<input type="checkbox"/> SUS316
		U型槽 U-type groove	<input type="checkbox"/> SUS304 标准配置 Standard	<input type="checkbox"/> SUS316	
	设备安装方式 Device installation mode	<input type="checkbox"/> 吊挂式 Stationary hang	<input type="checkbox"/> 地面吊挂混合式 Mixed stationary ground and hang	<input type="checkbox"/> 地面固定式 Stationary ground	
	其他要求 Other requirements				
订购数量 _____ 台 Order quantity	选用机型 _____ Applying type	电机功率 _____ Power of motor			
参数二 Parameter 2	* 最大输送量(m ³ /h) Maximum conveying capacity				
	* 输送介质 Conveying material	<input type="checkbox"/> 泥饼 Filter cake	<input type="checkbox"/> 栅渣 Residue	<input type="checkbox"/> 砂 Sand	<input type="checkbox"/> 其他 _____ Others
	* 输送长度(m) Conveying length		* 安装角度 Installation angle		
	* 材质选择 Material selection	无轴螺旋 Shaftless spiral	<input type="checkbox"/> 碳钢 (标准配置) Carbon steel (Standard)	<input type="checkbox"/> SUS304	<input type="checkbox"/> SUS316
		U型槽 U-type groove	<input type="checkbox"/> SUS304 标准配置 Standard	<input type="checkbox"/> SUS316	
	设备安装方式 Device installation mode	<input type="checkbox"/> 吊挂式 Stationary hang	<input type="checkbox"/> 地面吊挂混合式 Mixed stationary ground and hang	<input type="checkbox"/> 地面固定式 Stationary ground	
	其他要求 Other requirements				
订购数量 _____ 台 Order quantity	选用机型 _____ Applying type	电机功率 _____ Power of motor			
备注 Notes	以上资料请尽可能填写完整, 以便于选择最佳机型, 项目前加注“*”者, 请务必填写。 Please fill in the parameter lists as complete as possible. The item with “*” must be filled.				

本型录内容如有变更, 恕不另行通知。
We reserve the right to change content without notice.

