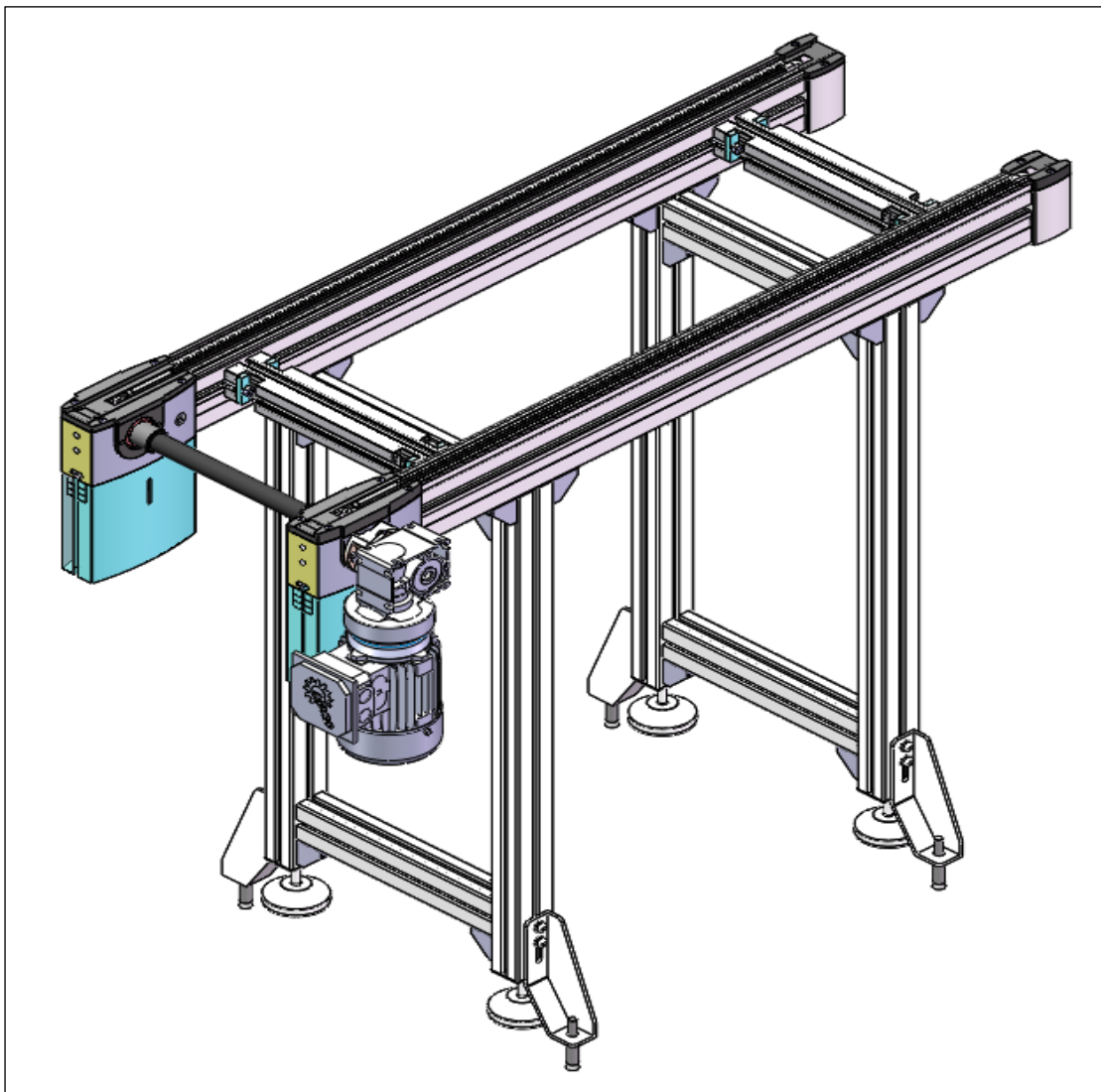


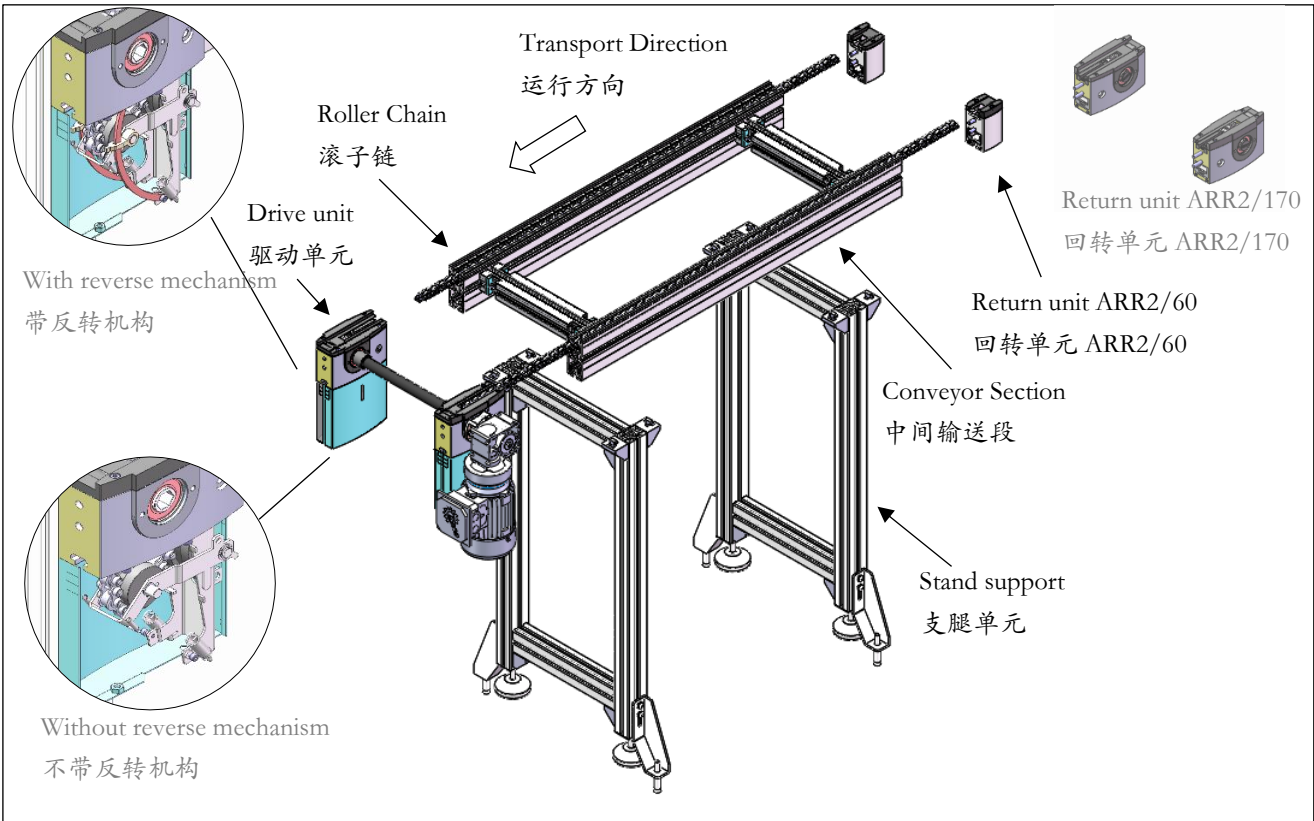
ARC2 Roller Chain Conveyor Section  
Instruction & Maintenance Manual  
ARC2 滚子链输送段安装使用维护手册



Suzhou LinkedGo Transfer System Co.,Ltd.

苏州领科工业技术有限公司

## Structure Diagram 结构示意图



1、The length L of the Conveying Section is 300-18000mm, and the width can be customized according to customer requirements.

1、输送段长度 L 为 300-18000mm，宽度可根据客户要求定制。

2、The conveying medium is a stacked roller chain.

2、输送介质为堆积滚子链。

3、The maximum conveying section load during stacking operation is 300kg or 700kg.

3、堆积操作中的最大输送段负载为 300kg 或 700kg。

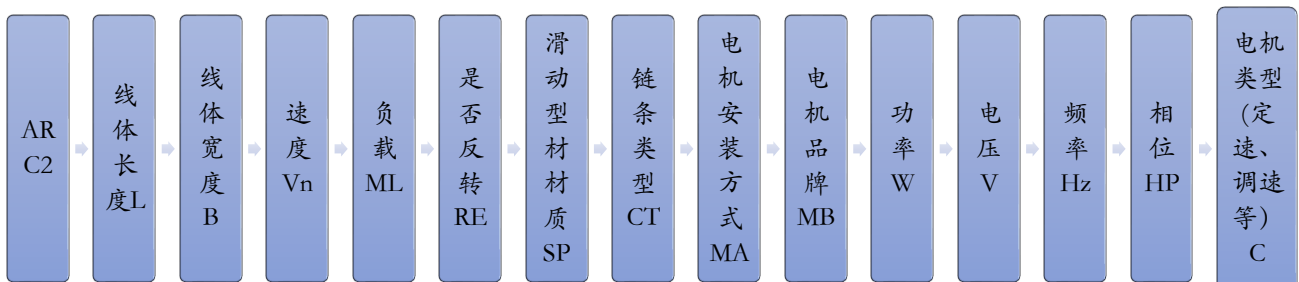
4、Reverse operation is possible when  $L \leq 2000\text{mm}$ .

4、在  $L \leq 2000\text{mm}$  时可进行反向操作。

5、The motor can be installed on the right, left, and middle of the line (\* when the conveying section width  $B \geq 240\text{mm}$ ).

5、电机可安装在线体右侧、左侧和中间\* (\*当输送段宽度  $B \geq 240\text{mm}$ )。

## Model Description 型号说明



产品特征

安装步骤

维护保养

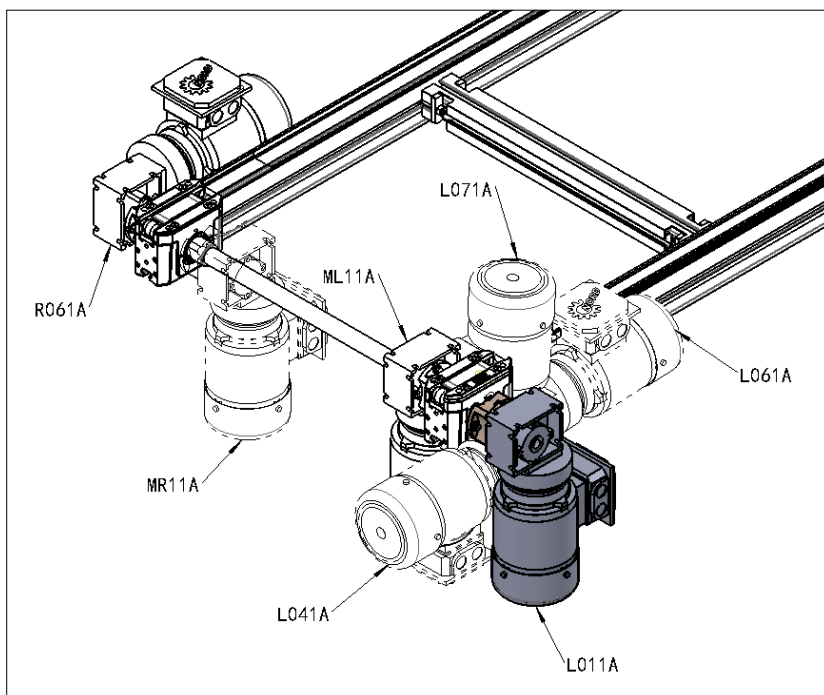
例:ARC2-L2810-B120-Vn12-ML30-RE0- SPP-CT1- MAL011A – NORD-120W-380V-50Hz-3HP-C0

The model ARC2-L2810-B160-Vn10-ML30-RE0-SPP-CT1-MAL011A-NORD-120W-380V-50Hz-3HP-C0, represents a fixed speed motor with a line length of 2810mm, a line width of 160mm, a running speed of 10m/min, a running load of 30kg, a motor installation position of L011A, a motor brand of NORD, a power of 120W, a voltage of 380V, a frequency of 50Hz, and a phase of 3.

型号 ARC2-L2810-B160-Vn12-ML30-RE0-SPP-CT1-MAL011A-NORD-120W-380V-50Hz-3HP-C0, 表示线体长度 2810mm, 线体宽度 160mm, 运行速度 10m/min, 运行负载 30kg, 电机安装位置为 L011A, 电机品牌为 NORD, 功率为 120W, 电压为 380V, 频率为 50Hz, 相位为 3 的定速电机。

参数说明 Parameter Description

品名 Product Name	长度(mm) Length	宽度(mm) Width	速度(m/min) Speed	电机安装方式 Motor installation method
ARC2	300~18000	160~1200	0~20	电机安装: MA=①_②_③_④_⑤_ Motor installation: MA=①_②_③_④_⑤_ ① 电机安装位置: M 中置; R=右; L=左; Motor installation position: M center; R=right; L=Left; ② 当①=R/L 时, ②=0; 当①=M 时, ②=R/L; ② When ①=R/L, ②=0; When ①=M, ②=R/L; ③ 电机安装位置: 1、2、3、4; Motor installation position: 1, 2, 3, 4; ④ 接线盒位置: 1、2、3、4; Location of junction box: 1, 2, 3, 4; ⑤ 出线口方向: A、B、C、D; Outlet direction: A, B, C, D;



Note: The figure shows the installation position of motor L011A.

注: 图为电机 L011A 的安装位置。

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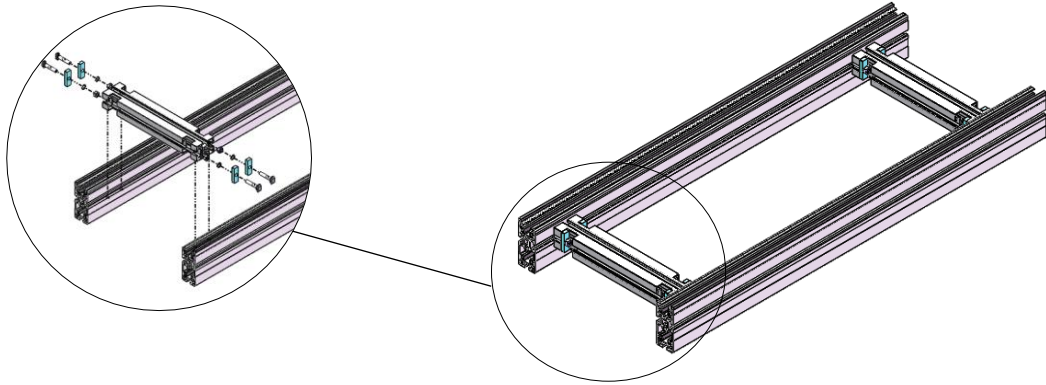
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## 安装步骤 Installation steps

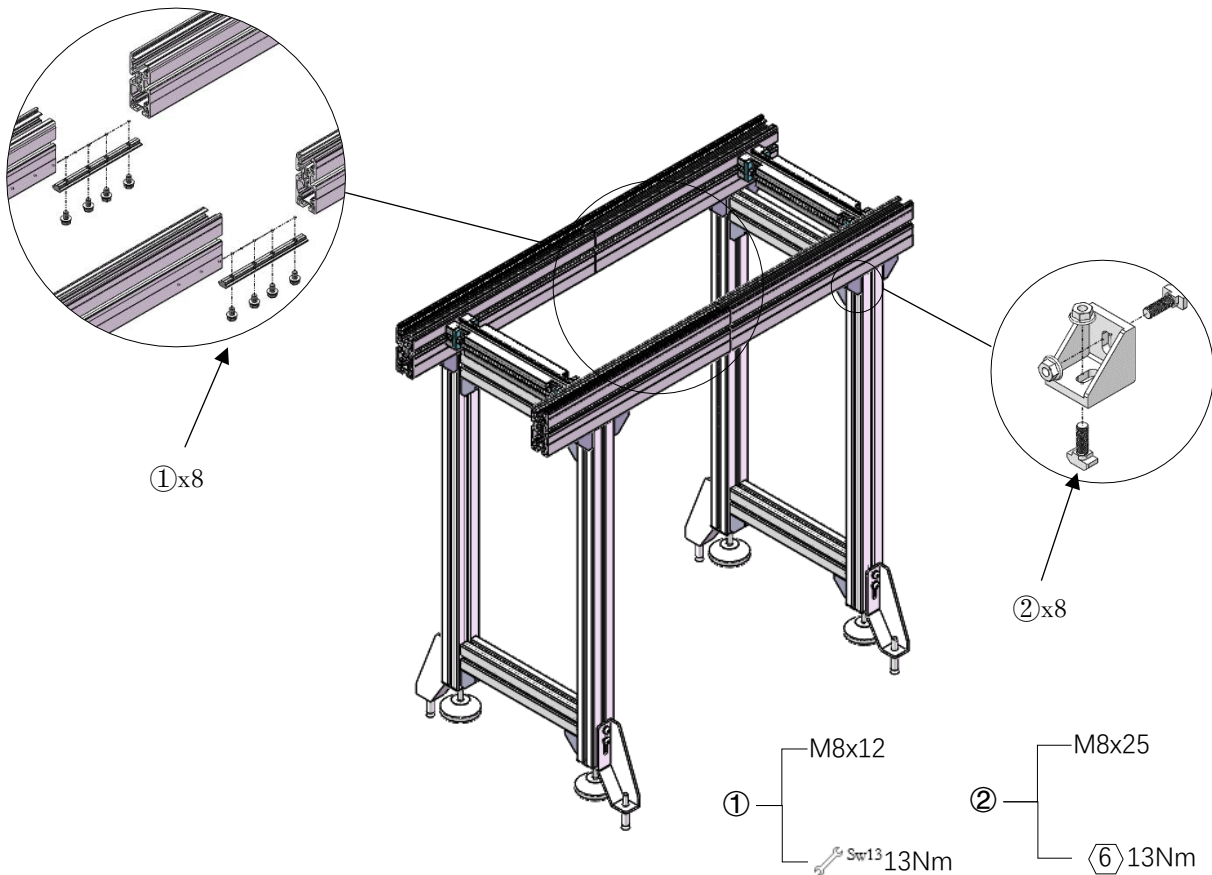
A Install the body profile as shown in the following figure.

A 按下图所示，安装机身型材。



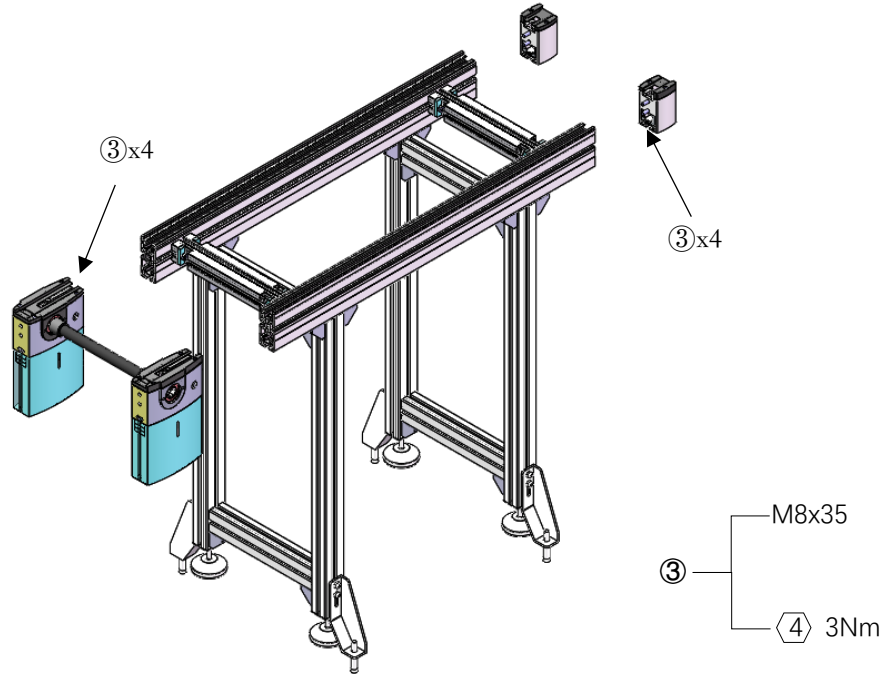
B Assemble the stand support onto the Conveyor Section as indicated below. If the conveying section is composed of multiple parts, it is necessary to install the conveying section together with connectors according to the following diagram.

B 按下图所示，将支腿单元安装到中间输送段上。若输送段由多部分组成，需要按照下图用连接件将输送段装在一起。



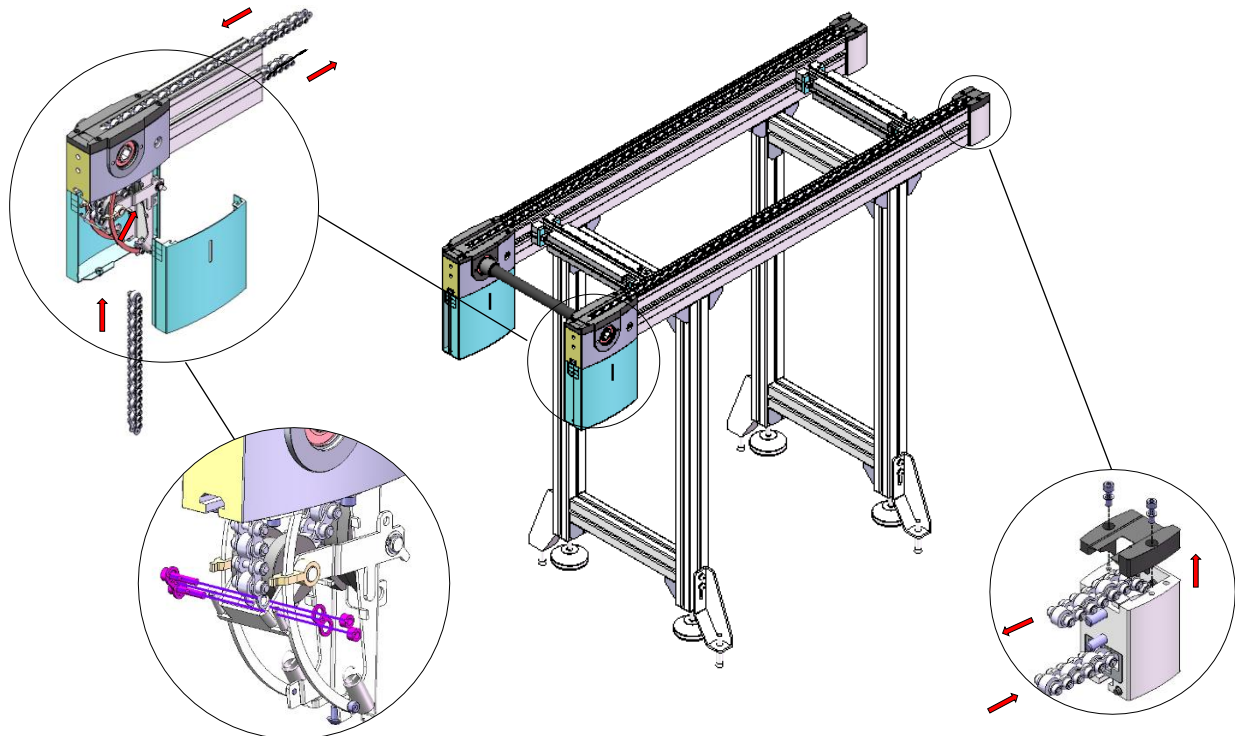
C Assemble the lower cover of drive unit, return unit onto two ends of conveyor body. Install the tensioning roller.

C 按下图所示，将驱动单元、回转单元安装于线体两端。



D Roll the chain onto the chain roller as shown in the figure, which can prevent the chain from being damaged due to twisting during penetration.

D 如图所示将链条盘到链条辊子上，这样可以防止链条在穿入过程中因扭拧而损坏。



Chain connection position

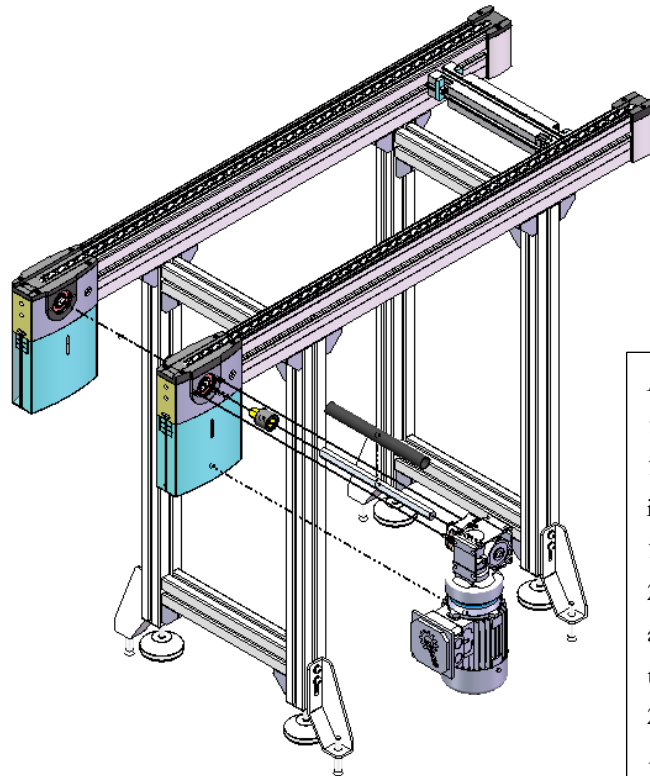
链条连接位置

E Install the T-type bearing seat, transmission shaft, and other accessories of the drive unit as shown in the following figure. After assembly, place the assembled T-shaped bearing seat and other accessories into the lower housing, assemble the pulley components of the drive unit and rotary unit, and place the toothed belt.

E 将链条头部用绳子牵引从驱动单元头部穿入，由线体下层穿过，绕过回转单元滑块，由回转单元上层向驱动单元牵引。

F Insert the motor shaft into the bearing assembly of the motor and connect it to the drive unit.

F 将电机轴插入电机的轴承组件中，并与驱动单元连接。



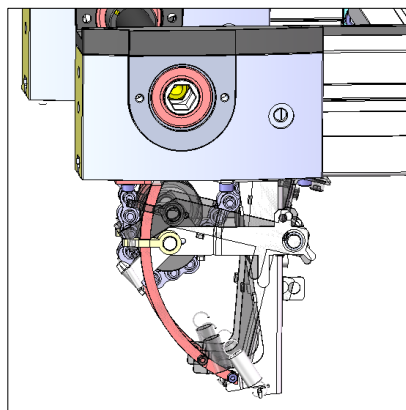
Attention:

注意:

1. The motor should be installed firmly and not tilted.
- 1、电机安装稳固不能倾斜。
2. The direction of the motor and junction box must meet the technical requirements.
- 2、电机与接线盒方向必须符合技术要求。

G As shown in the figure, the tension mechanism of the chain will gradually change position over time, and the length of the chain can be adjusted by removing the chain link.

G 如图，链条的张紧机构会随时间推移逐渐改变位置，可通过去除链节的方式调节链条的长度。



## Maintenance 维护和保养

The UTS series tray conveying system requires regular maintenance and upkeep to extend the service life of the line. The conveying equipment should be kept clean to avoid direct sunlight or rain or snow, and to prevent contact with substances such as acids, alkalis, oils, organic solvents, etc.

UTS 系列托盘输送系统需按周期进行规定的保养维护工作，以延长线体使用寿命。输送设备应保持清洁避免阳光直射或雨雪浸淋，防止与酸、碱、油类、有机溶剂等物质接触。维护前需关闭对应的能源供给。

### Daily Maintenance

#### 日维护

Regularly clean the conveyor line. Before starting the machine every day, it is necessary to clean the floating dust, falling small parts, and other obstacles on the chain and wire body to prevent dust and dirt from affecting the operation of the wire body. When cleaning the machine head, it is necessary to remove the upper cover of the machine head and use an air gun to remove any accumulated dust inside. During trial operation, check all parts of the conveyor line for abnormalities, such as loose bearings or abnormal noise. Once any abnormalities are found, repair and replace them immediately. The steel wheel chain needs to be lubricated daily. 定期清洁输送线。每日开机前需清理链条及线体上的浮尘、掉落的小零件及其他障碍物，防止积尘和污垢影响线体运行。在清洁机头时，需拆掉机头上盖，用气枪清除里面积压的灰尘。试运行前，检查输送线的各部位是否有异常，如轴承有无松动或异常噪音，一旦发现异常应即使维修和更换。钢制轮链条需每日润滑。

### Weekly Maintenance

#### 周维护

Regularly inspect the accessories on the conveyor line body. For easily damaged parts such as sprockets, bearings, and idlers, regular inspection, maintenance, and lubrication are required. If damage or looseness is found, it must be replaced immediately. Check if the fasteners on the wire body are loose and tighten them in a timely manner.

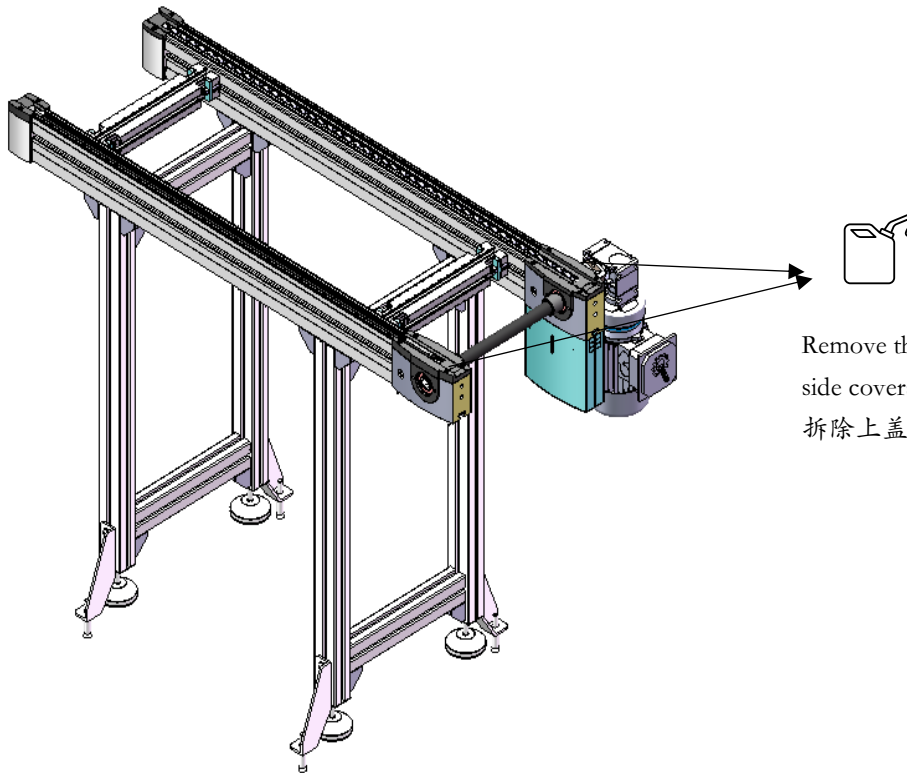
定期检查输送线体上的附件。对于链轮、轴承、惰轮等容易损坏的零件，需定期检查、保养和润滑。发现损坏和松动须立即更换。检查线体上的紧固件是否有松动情况，及时紧固。

### Monthly Maintenance

#### 月维护

Regularly clean motor bearings, check for wear, and replace lubricating oil in a timely manner. (It is necessary to replenish the oil at any time based on the on-site operating conditions and the degree of grease volatilization. Under normal operation, the lubricating oil can be replaced every six months.) Check whether the chain needs lubrication.

对于电机轴承等定期清洗，检查磨损情况，及时更换润滑油。（需根据现场运行状况及油脂挥发程度进行随时补油，正常运行下，可六个月更换一次润滑油。）检查链条是否需要润滑。



#### Quarterly maintenance

##### 季度维护

Check if the guide strip and friction strip are severely worn or deformed, and replace them in a timely manner. Confirm that the running condition is good, observe if the chain is loose, and if there is any looseness, shorten the chain length by removing the chain link.

检查导向条、磨擦条是否磨损严重或者变形，并及时更换。确定运行状况良好，观察链条是否松弛，如有松动，可通过去除链节的方式缩短链条长度。

#### Disclaimer

##### 免责声明

The customer shall inspect the equipment regularly. If the customer fails to maintain the conveyor as the state above, leading to any malfunction or damage to the conveyor, our company will not be responsible for it, all related costs (including material costs, installation and commissioning fees, and hotel expense) shall be borne by the customer.

客户应定期对设备进行检查。若客户未按要求对输送机进行维护，进而导致输送机发生任何故障或损坏，我司将不承担相关责任，由此产生的相关费用（材料费，安装调试费，差旅费）均由客户承担。

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