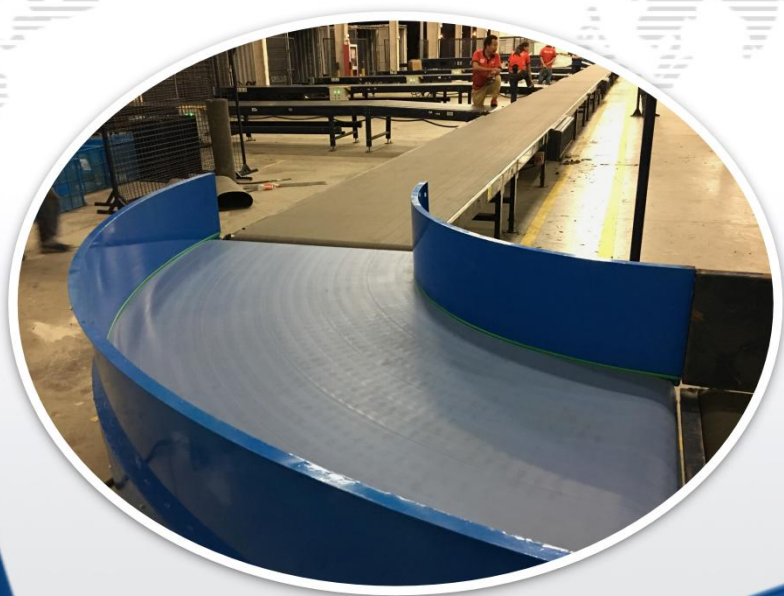


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Smart Conveyor System Solutions

## Modular Flat Top Turning Conveyor



Innovative



Smart



Safe



Energy saving

## Profile



HS-2000A modular flat top turning conveyor, independently researched and developed by HONGSBELT, is Chinese patented product. Designed by modular belt structure and driven by sprocket, it avoids the disadvantage of skidding, can keep the most stable operation during conveying process. HS-2000A modular flat top turning conveyor belt adopts hexagon bore 41.5mm as driving sprocket and uses the corresponding standard hexagon 41mm steel material axis. Except for the easy access of raw material and easy processing, it also solves the floating effect arising from the string movement of square axis used by normal modular belt, thus ensuring more stable operation.

# Modular Flat Top Turning Conveyor

## --Configuration Parameters

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Modular Flat Top Turning Conveyor consists of motor, plastic sprocket, plastic modular turning conveyor belt, frame, UHMW supporting wear strip, driving chain, cover plate, side baffle and side guard

### Modular Flat Top Turning Conveyor-Parameter

Type	Central Radius (mm)	Inner Radius (mm)	Effective Conveying Width(mm)		Turning Angle	Motor Power (KW)	Motor Brand	Bearing Brand
			PVK	Modular Belt				
HS-ZW-1460-90D	1700	1000	1460	1460	90°	1.1	NORD	TR
HS-ZW-1260-90D	1700	1100	1260	1260	90°	1.1	NORD	TR
HS-ZW-1060-90D	1700	1100	1060	1060	90°	1.1	NORD	TR
HS-ZW-860-90D	1700	1100	860	860	90°	1.1	NORD	TR
HS-ZW-1260-60D	1700	1100	1260	1260	60°	0.75	NORD	TR
HS-ZW-1060-60D	1700	1100	1060	1060	60°	0.75	NORD	TR
HS-ZW-860-60D	1700	1100	860	860	60°	0.75	NORD	TR
HS-ZW-1260-45D	1700	1100	1260	1260	45°	0.75	NORD	TR
HS-ZW-1060-45D	1700	1100	1060	1060	45°	0.75	NORD	TR
HS-ZW-860-45D	1700	1100	860	860	45°	0.75	NORD	TR
HS-ZW-1260-30D	1700	1100	1260	1260	30°	0.75	NORD	TR
HS-ZW-1060-30D	1700	1100	1060	1060	30°	0.75	NORD	TR
HS-ZW-860-30D	1700	1100	860	860	30°	0.75	NORD	TR



# Modular Flat Top Turning Conveyor

## --Configuration Parameters

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### Driving Sprocket

Injected with special POM material, adopts hexagon bore 41.5mm with corresponding standard hexagon 41mm steel axis as driving shaft, using #1-#12 sprockets on both sides

### Hexagon Driving Axis

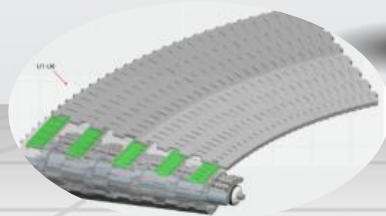
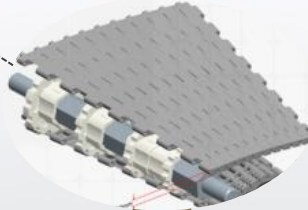
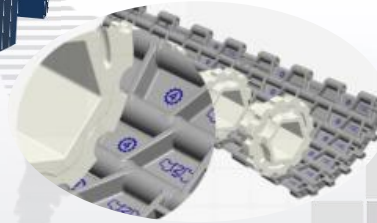
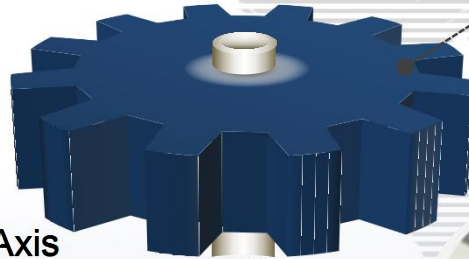
Solve the floating effect arising from the string movement of most traditional belt

### Bottom Structure

The bottom steel structure is embedded with modular conveyor belt supported by UHMW supporting wear strip, greatly reduces the bottom friction, improves the conveying speed, reduces the belt loss, and improves the service life.

### Sprocket Driving

Avoids the disadvantage of skidding, can keep the most stable operation during conveying process.





# Modular Flat Top Turning Conveyor

## --Configuration Parameters

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### Speed

- 50m/min

### Load

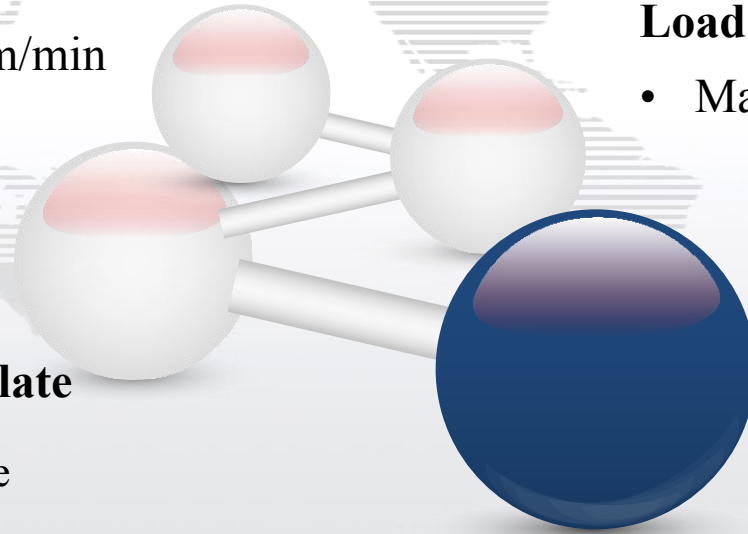
- Max.: 350kgs

### Frame Structure/Side Plate

- Standard 3mm steel plate welding paint
- Standard 3mm iron plate

### Sprocket Shaft\Shaft\ Supporting Wheel

- Using 45# steel
- Cast iron seat sealed precision bearing
- Plastic surface precision bearing



# Modular Flat Top Turning Conveyor

## --Features

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### Features of Modular belt:

Smart, safe, energy-saving, easy assembling and disassembling, low maintenance cost and long service life. High speed, heavy load, high wear resistance, high impact, low friction, etc.

### Reliability and safety of modular belt conveyor:

Standard conveyor configurations are based on well-known brands. Bottom support: UHMW PE wear strip imported from Germany. Frame supporting feet: 50mm adjustable. Function activation mode: electric, external communication interface.

### Maintenance of modular conveyor:

Modular design is safer, which simplifies the assembling and disassembling, the one-minute maintenance makes the operation of the conveyor more stable and reliable.

1

2

3

4

5

6

### Service life of modular conveyor:

Low friction material, wear resistance, impact resistance, and can withstand high speed and heavy load, even more than 10 times tensile strength and life time of traditional belt.

Special designed sprocket - no deviation. Modular conveyor belts made of imported POM high wear-resistant raw material - no slip. Smooth conveying. Ensure the safety of objects during conveying.

Quickly replace modular belt in one minute by the humanized designed maintenance hole. No need to dismantle the shaft and replace the entire conveyor belt. Bring more ease and fun to maintenance.

# Modular Flat Top Turning Conveyor

## --One Minute Fast Maintance

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Tools: one straight screwdriver, one hard thin steel wire and one plier



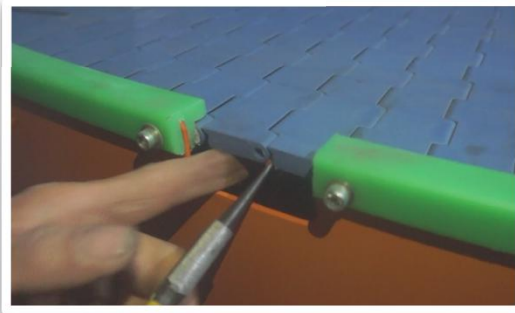
# Modular Flat Top Turning Conveyor

## --One Minute Fast Maintenance

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At the middle openings of the flat turning conveyor, use straight screwdriver to align the locking plate so as to unclench it.





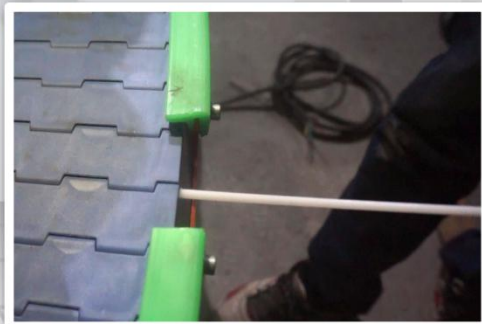
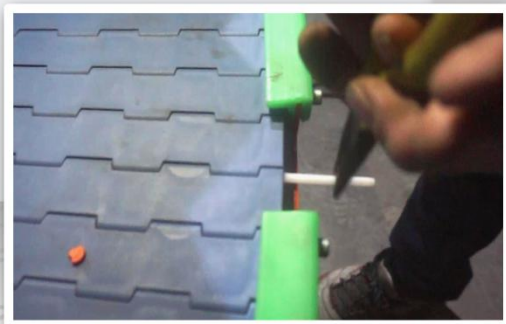
# Modular Flat Top Turning Conveyor

## --One Minute Fast Maintance

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Then move to the center of the tangent line of conveyor, use inserted rods to push out the inserted rods in the corresponding round hole with thin steel wire



# Modular Flat Top Turning Conveyor

## --One Minute Fast Maintenance

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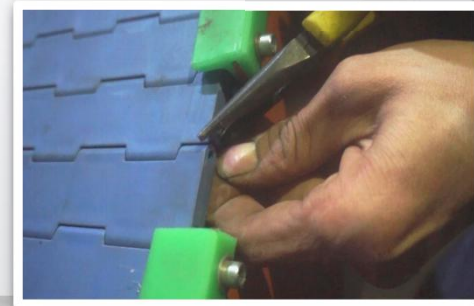
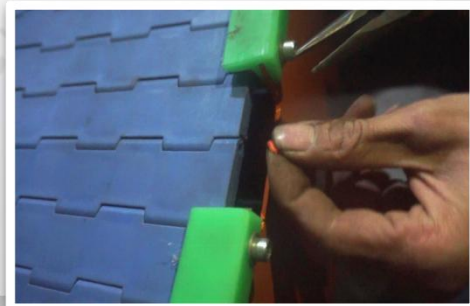
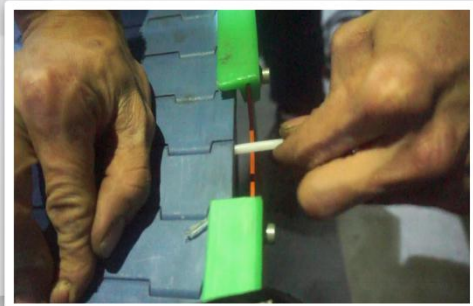
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Complete it  
within one  
minute



Assembling and  
disassembling  
finished



After selection of the conveyor belt which needs to be removed,  
disassemble it based on the above instruction, and then assemble it

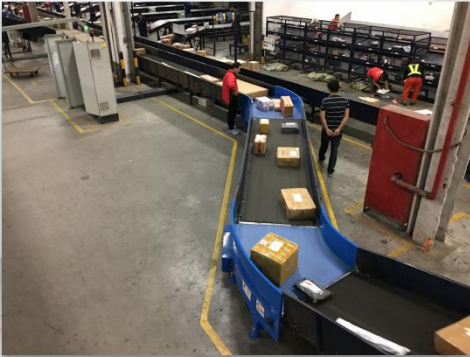
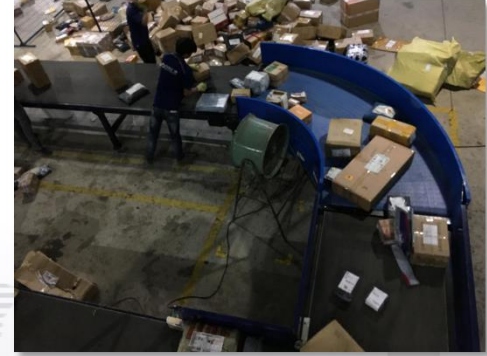
After inserting the rods, use pliers to  
lock the locking nail

# Modular Flat Top Turning Conveyor

## --Site Application

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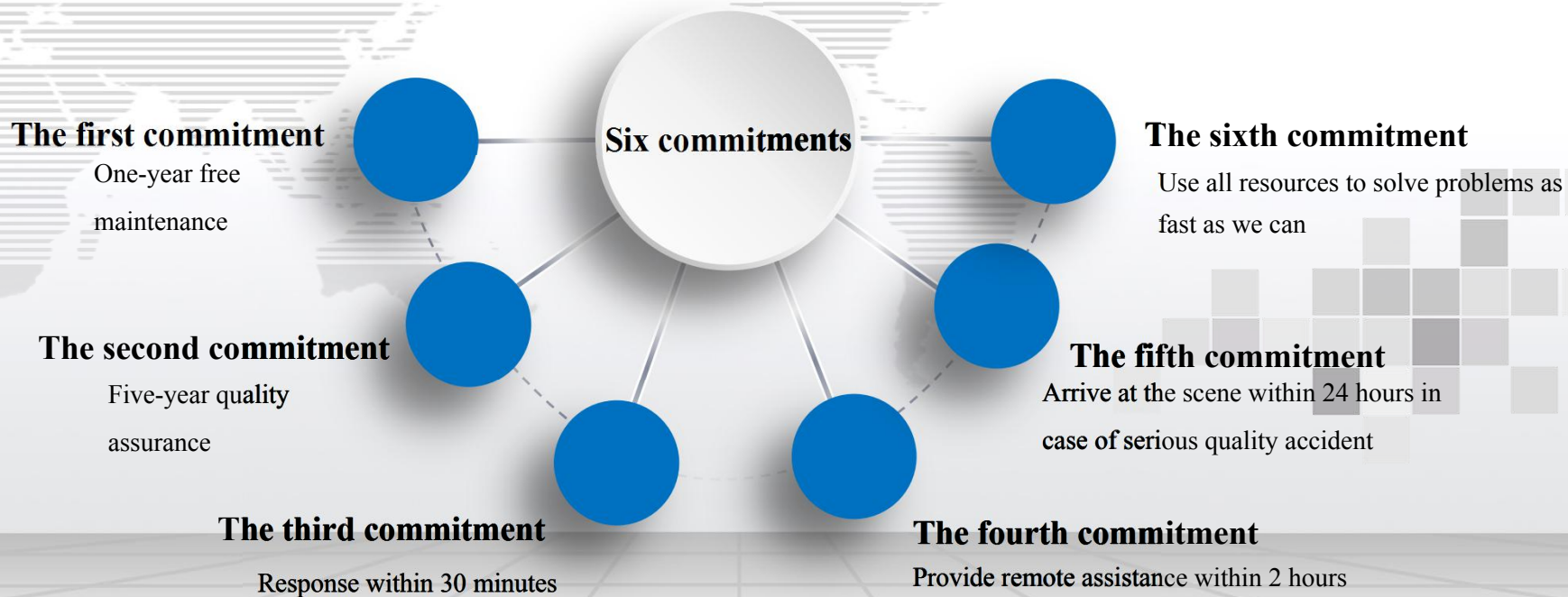




# Modular Flat Top Turning Conveyor

## --After-sales response

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**Thank you!**