# **MODULAR FLAT TURNING CONVEYOR**



E-mail : Info@conveyorguide.co.th

## Contents

Traditional turning conveyor



Function introduction

on tion

After-sales guarantee

Modular flat turning conveyor 3

Successful case

5



# **Traditional turning conveyor**

- Application overview
- •Defect analysis
- Development trend

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

# Application overview

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

#### PVC turning conveyor



As a favorite product of noiseless workshop, it has occupied printing, logistics and electronics markets in recent years, but due to the short service life and difficult maintenance resulting from complex structure and weak body, it is on the decline.





The standardized production of spare and accessory parts and simple body structure make it possess immeasurable value in the industries of logistics, and back-end box packaging. However, its defects such as big clearance, big shake, serious excursion and blocking, etc. restrict its long-term application in the market.

# Application overview

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

Chain-slat turning conveyor



By virtue of flexible line layout and simple installation and maintenance, it distinguishes itself in the industries of beverage, logistics, medicine, labeling, etc. and is replacing traditional belt conveyor with great momentum.







Its multi-material and multispecification appearance enables it to be utilized in all application environments of all industries. And with the advantages of simple disassembly, assembly and maintenance as well as no repair, it is the best choice for all terminal users.

### **Defect analysis**



Small load

Easy excursion

Small load

# Development trend



600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

> Development course of turning conveyor products since their birth: Roller turning conveyor was used initially by terminal customers to replace manual lifting, and then PVC belt conveyor is used to transport bulk cargo smoothly, which is driven by application. From the manufacturing of single machine to mass production, much standardized processing and production equipment is added due to the driving of capacity. And with the increase in capacity, when the balance of supply and demand of market is realized, competition enables price driving to become the primary element. When traditional technology is unable to satisfy the changing demands of terminal customers, the driving of Smart becomes new scenery. Future is for modular flat turning conveyor.



# Modular flat turning conveyor

- Background of emergence
- Product advantage
- Compared with traditional turning conveyor

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

# Background of emergence

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th

Are you still worried about the difficult replacement of

conveyor belt due to its complex structure?

Are you still bothering about the slow order placement of

turning conveyor belt?

Are you still angry about the easy deformation of traditional PVC turning conveyor belt and cracking of joint part? Are you still troubled by the sudden failure of turning conveyor belt? Are you still anxious about the slow conveying and small load

of turning conveyor?

Are you still finding ways to make the belt of turning conveyor available in terms of resistance to chemicals, low temperature and high temperature or available in other special application environment, etc.?

# Background of emergence

Global plants are confronted with the same problems Shortage of land for workshop Increasing quantity demanded Long downtime for after-sales service Increase of manufacturing cost Improvement in automation



HS-2000A modular flat turning conveyor belt boasts stable operation, and fixed structure design, which avoids the disadvantages of the linear segment presentation of general turning modular network at the driving end. HS-2000A modular flat turning conveyor belt can replace the surplus linear segment design with various included angles, which saves the mechanical manufacturing cost and makes the assembly line layout the most space-saving operation mode. HS-2000A flat modular turning conveyor belt adopts Sprocket drive, and the belt is made with special compound plastic steel material (meanwhile, new materials can be developed as required, such as strong acid and strong base resistant, high-temperature resistant, low temperature resistant, anti-static, etc.), which can withstand instantaneous impact, and low friction coefficient, and show the strength of extension more than 10 times greater than the general PVC turning conveyor belt, it adopts Sprocket drive, so it can withstand high speed and heavy load, suitable for logistics conveying of various light and heavy loads of paper industry, printing industry, beverage industry, package industry, etc. And it is your best choice for maintaining stable assembly line.

Currently, HS-2000A modular flat turning conveyor belt developed by HONGSBELT is designed with modular network structure. and takes sprockets as the driving mode. which avoids the disadvantage of skidding, and makes it maintain the most stable operation condition in the conveying process. Its driving sprocket shaft hole is designed as hexagon parallel to opposite side of 41.5mm, and the corresponding hexagonal axis steel with the standard specification of 41mm is taken as drive shaft. Apart from the superiority in easy accessibility of raw material and easy processing, it also solves the floating effect arising from the string movement of quadrilateral axis used by general modular belt, thus ensuring more stable operation.

# Compared with traditional conveyors



600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

> A: Traditional PVC belt turning conveyor has very short service life, for its unstable bearing parts are on fragile PVC conveyor belt, and the structure of conveying machinery is also too large. Besides, it takes the smooth rollers as drive, easily causing low tension and skidding, and even past service and effect on production. In addition, the unstable PVC conveyor belt products easily produce sudden fracture of joints, and cause the bend of belt and off tracking. B: Traditional roller turning conveyor has its unstable bearing parts on fragile roller, which makes the bearing short service life, and also makes a lot of noise. In addition, the large space between rollers directly affects its limitation on goods conveying. Especially, when chemical products are conveyed, it is easier to cause corrosion on roller, which causes a lot of costs for parts replacement, and increases surplus production costs.



# Function introduction

- Function introduction
- Design introduction
- Complete Conveyor display

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

# Function introduction

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

The new generation of turning conveyor belt finally comes out - a brand new turning conveyor product developed by HONGSBELT with regard to logistics conveying

The matched 2000A modular flat turning conveyor belt will not change the inner radius with the change of width of conveyor belt, namely, the inner radius will not increase along with the increase of width. The inner radius of the conveyor is only 600mm, and has the extended width of space of 100mm and the maximum width of 1,500mm. It can withstand the heavy load of 1t goods, and realize the maximum speed of 120m, which can satisfy the requirements of high speed for goods conveying in airports, as well as extensive logistics conveying requirements. Also it can achieve the conveying at various angles, and is applicable to  $30^{\circ}$ ,  $45^{\circ}$ ,  $60^{\circ}$ ,  $90^{\circ}$ ,  $120^{\circ}$ , and  $180^{\circ}$  turning conveyors.



# **Design display**





# **Design display**

Compulsive drive Sprocket eliminates slip and off tracking of conveyor belt, and maintains steady conveying..

Raw material of transmission shaft made of hexagonal rolled steel can be easily obtained and manufactured,

and thus eliminates the float

effect of quadrangle axis applied on most of modular

conveyor belts.



Hexagonal transmission shaft

# **Design display**

Supporting sliding rail Steel structure at the bottom embedded with macromolecule wear-resisting plate is taken as the supporting conveyer belt, greatly decreases force of friction, speeds up conveying, lowers wear of conveyer belt, and improves service life.

Offer all-round technical parameters of conveyer belt, convenient for design and mechanical application for designers, and offer tensile and adaptive temperature of four materials in order to assist users with correct model selection under particular circumstances.





Bell Material	Balt Strength Straight		Temperature	
			The Associate St	T. Smarth
	Kg/M(BW)	N/M(BW)	T (min.)	T (max.)
Polypropylene	1600	16000	1	100
Polyethylene	1660	15500	-60	60
Acetal	2940	26400	-40	80
Nylon	2236	22300		185

#### Technical parameters

# **Design display**

Transition processing description Use small roller of steel material or balls to transmit, and transmit objects to next conveyor belt steadily and seamlessly.





Internal tangent decreases friction Use new designed internal tangent and frictional spherical guide of zero resistance, with less noise and long service life. It is a breakthrough of turning product series and symbolizes a new height.





# Display of complete conveyor















# Successful case

Field application

• Display of partners

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

# Field application-



HONGSBELT has taken the lead in flat turning conveyor for 15 years and has accumulated rich experience, valuable knowledge on application of flat turning system and modular flat turning belt. So far, we have installed over 5,000 flat turning conveyors as field application cases, with no failure, of which we are proud.

# -Field application-



HONGSBELT has taken the lead in flat turning conveyor for 15 years and has accumulated rich experience, valuable, knowledge on application of flat turning system and modular flat turning belt. So far, we have installed over 5,000 flat turning conveyors as field application cases, with no failure, of which we are proud.

# Field application-



HONGSBELT has taken the lead in flat turning conveyor for 15 years and has accumulated rich experience, valuable knowledge on application of flat turning system and modular flat turning belt. So far, we have installed over 5,000 flat turning conveyors as field application cases, with no failure, of which we are proud.

# -Foreign partners-



# -Foreign partners-



-----









## Foreign partners-



# Foreign partners-





# After-sales guarantee

• Guarantee for delivery time

- After-sales response
- Fast maintenance

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 . 02-992-1025 / Fax.02-992-1022 E-mail: info@conveyorguide.co.th **Guarantee for** delivery time Standardization Advanced equipment Accessory inventory **Mass production** Immediate schedule for production

- 1. Standard production process and assembly sequence to meet the requirement of mass production.
- 2. Bring in advanced foreign processing equipment with higher precision so as to ensure quality and appearance.
- 3. Related accessories of conveying equipment are all in stock, and the conveyor belt is self-produced to ensure immediate schedule for production.
- 4. Delivery within appointed time after the drawings are confirmed, and leave the factory after successful pilot run.

# After-sales response

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

#### The first commitment

One-year free

maintenance

#### The second commitment

Five-year quality

assurance

#### The third commitment

Response within 30 minutes

Six commitments

#### The sixth commitment

Use all resources to solve problems as fast as we can

#### The fifth commitment

Arrive at the scene within 24 hours in case of serious quality accident

# The fourth commitment

Provide remote assistance within 2 hours

Fast

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

# maintenance

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



# Fast

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

#### maintenance

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











Fast

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th

#### maintenance

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



# Rapid maintenance

600/1356 M.14 T.Kukot A. Lumlukka Pathumthani 12130 Tel: 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : info@conveyorguide.co.th





Complete it within one minute



The disassembling is finished







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

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





CONVEYOR GUIDE CO., LTD.

บริษัท คอนเวเยอร์ ไกด์ จำกัด



# Thank you

600/1356 ม.14 ต.ดูคต อ.ลำลูกกา จ.ปทุมธานี 12130 Tel : 090-907-6077 , 02-992-1025 / Fax.02-992-1022 E-mail : Info@conveyorguide.co.th www.conveyorguide.co.th , Line ID : conveyor\_guide