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**TONE**

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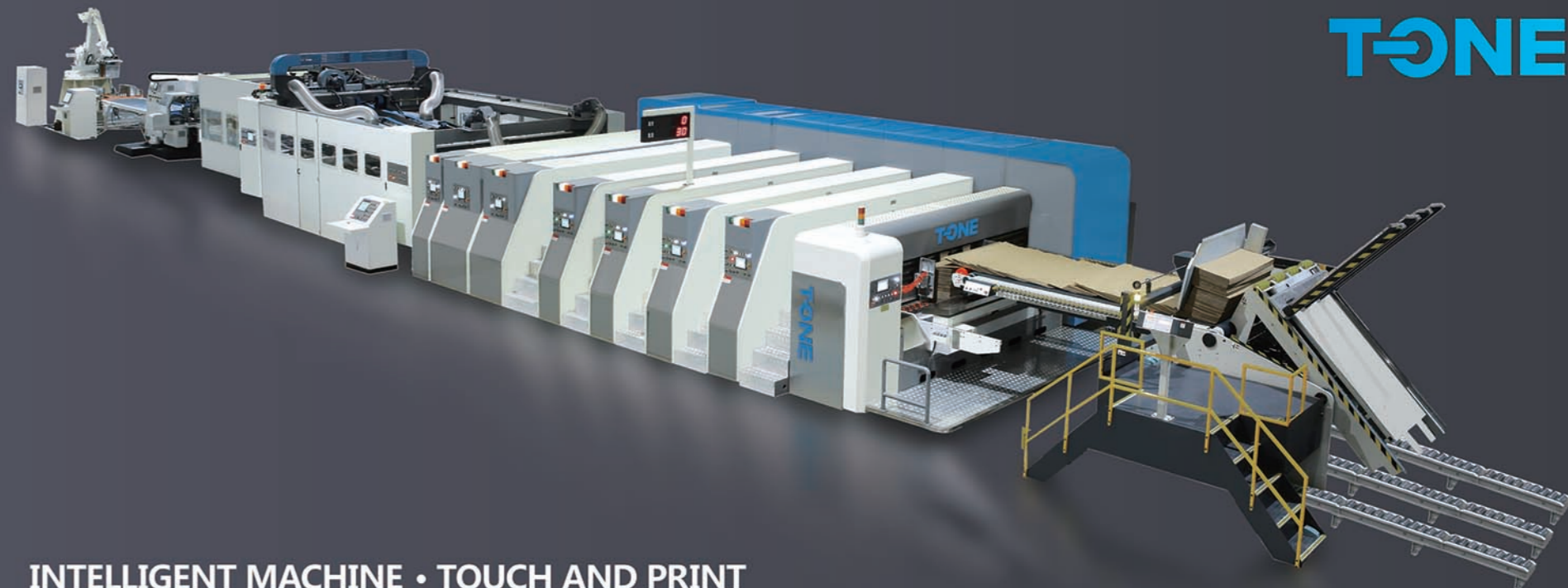
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**TONE**



**INTELLIGENT MACHINE • TOUCH AND PRINT**  
SINCE 2005

**T-FS HIGH SPEED FLEXO PRINTER SLOTTER  
ROTARY DIE-CUTTER**  
TOP-PRINTING, VACUUM TRANSFER AND FIXED STRUCTURE



# ABOUT T-ONE

Focus On R&d And Manufacturing High Speed Flexo Printing Machines



Guangdong Tai Yi Precision Machinery Co., Ltd is established in 2005. In 2015, Tai Yi has moved from Nanhai to Sanshui district for better modernizing development. Since then, Tai Yi has developed into a company of 220 employees with total 30,000㎡ area, including 15,000㎡ factory workshops.

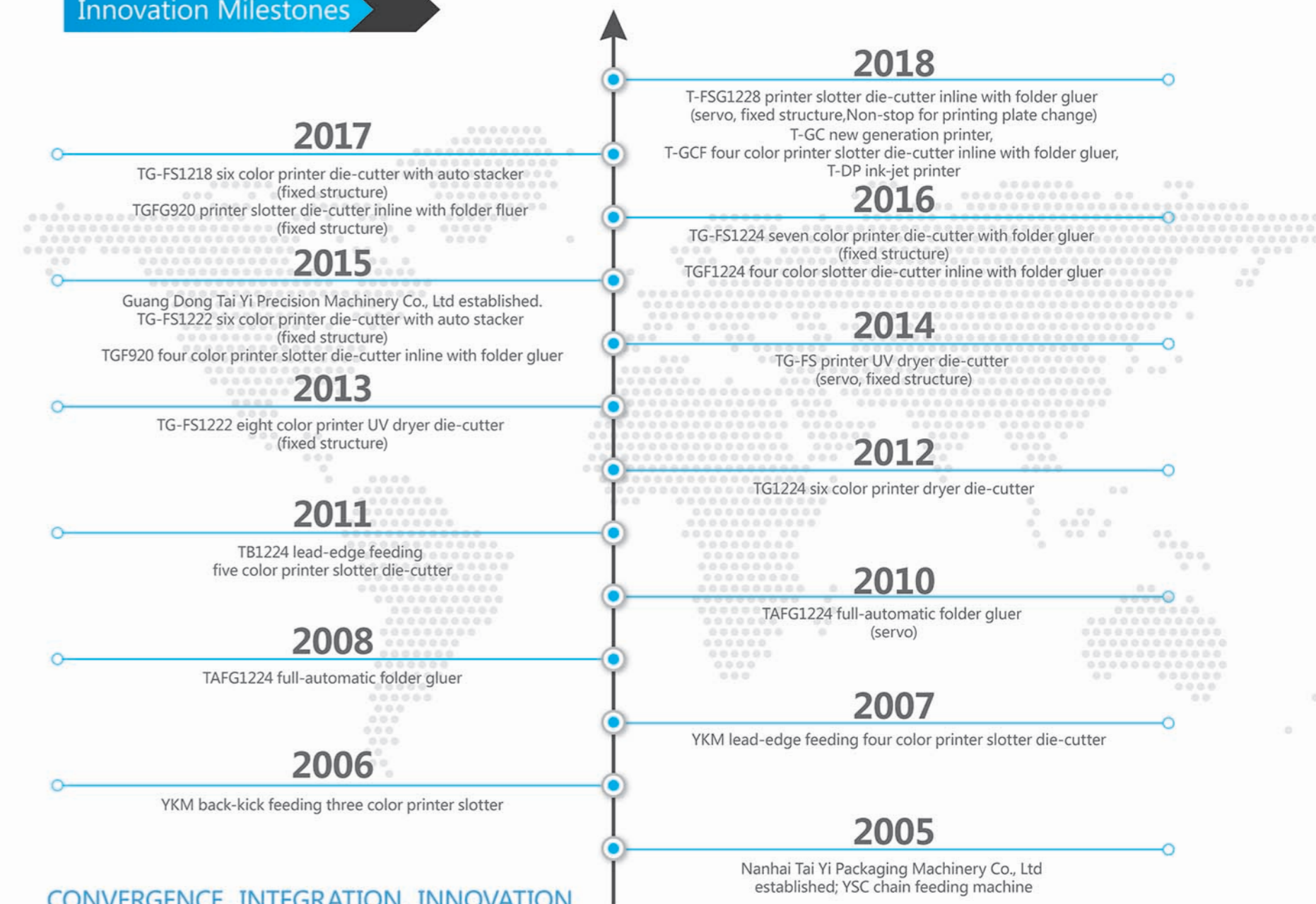
Tai Yi Precision is a high-tech company, specializing in producing high speed flexo printer and converting equipment for corrugated paperboard. Tai Yi keeps its value "credibility and integrity, innovation and improvement, efficiency and service" in mind as always. After years of hard work, Tai Yi has successfully developed as a famous brand and obtained high recognition of customers from domestic and around the world.

Intelligent Machine • Touch And Print

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## TAI YI PRECISION TIME TABLE

### Innovation Milestones



CONVERGENCE, INTEGRATION, INNOVATION

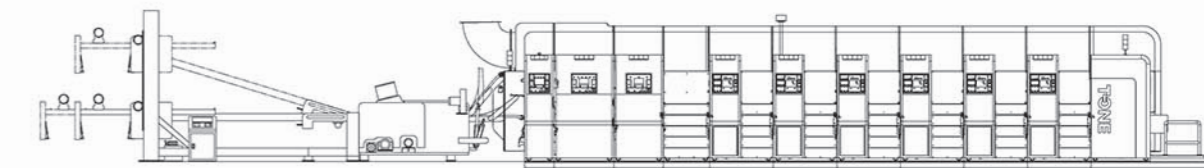
BRAND COMES FROM INGENUITY  
MARKET COMES FROM PERFORMANCE



Nowadays it is not only products we are selling, but also a set of systematic service. TAI YI Precision Machinery always keeps "survive by quality & service, benefit by management, create brand by reputation, equip with culture" in mind. We continuously develop and extend production scale in order to create more and more values for our customer.

# T-FS High Speed Flexo Printer Slotter Rotary Die-cutter & Vibrator Stacker (Top-printing, Vacuum Transfer And Fixed Structure)

Precision, Efficiency, Realistic



More Gorgeous Color



Preciser Printing Accuracy



More Accurate Forming Effect

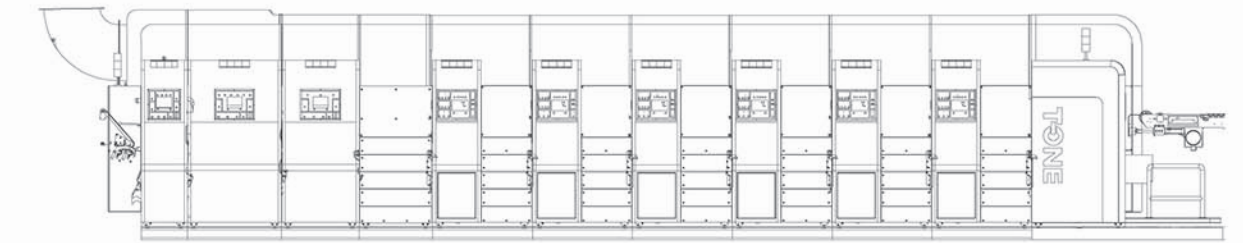


Higher Productivity



## T-FS High Speed Flexo Printer Slotter Rotary Die-cutter & Auto Stacker (Top-printing, Vacuum Transfer And Fixed Structure)

- ◉ CE certificated machine designed with advanced concept, made according to European standards with TAI YI many year experience.
- ◉ Select the excellent materials and parts, all rollers are made of the fine steel, with chrome plated and harden treatment.
- ◉ Fixed units with vacuum transfer. Printing register is servo control to realize high printing, IR or UV dryer could be installed.
- ◉ Full line with PLC control, non-stop for printing plate change is optional. It can store and load order data, quick order change and friendly operation.
- ◉ With remote control via internet, achieve fast problems shooting.



### Main Specifications

Model	T-FS920	T-FS924	T-FS1222	T-FS1228
Max. Speed (pc/min)	300	280	250	230
Max Feeding Size (mm)	900×2100	900×2500	1200×2300	1200×2900
Min Feeding Size (mm)	300×600	300×600	350×600	350×600
Skip Feeding (mm)	1200×2100	1200×2500	1500×2300	1500×2900
Max. Printing Size (mm)	900×1950	900×2350	1200×2150	1200×2750

In case the technical improvement and changes without further notice,subject to contract.



More Gorgeous Color



Preciser Printing Accuracy



More Accurate Forming Effect



Higher Productivity



### Feeder Unit

Servo Drive Optional

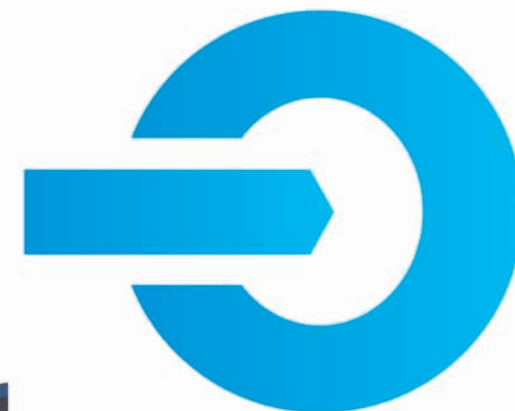
- Original imported SUN Lead Edge Feeder to promise long - term feeding precision and stability.
- Enlarged Feeding roll diameter can reduce the paperboard flute damage.
- Several row brushes and anti-static system to keep the paperboard clean before coming into printer unit. So printing quality is promised.



### Printer Unit (Vacuum Transfer)

Servo Drive Optional

- Quick lock printing plate setting system on both R/L sides to achieve precise alignment.
- Vacuum paperboard transfer for high register precision.
- Widened unit width is helpful for ink dry and printing register. (IR dryer optional)
- The vacuum box transfer roller is cast in aluminum alloy, and the surface is coated with ceramic, which increases the contact friction coefficient between roller and paperboard.
- Imported Doctor-blade inking system is available. (Optional)



### Varnish Unit

Could Be Used As Printer Unit Also

- Water-based varnish or UV varnish could be used .
- Widened unit width is helpful for varnish dry.
- For safe operation, paperboard blocked sensor applied.

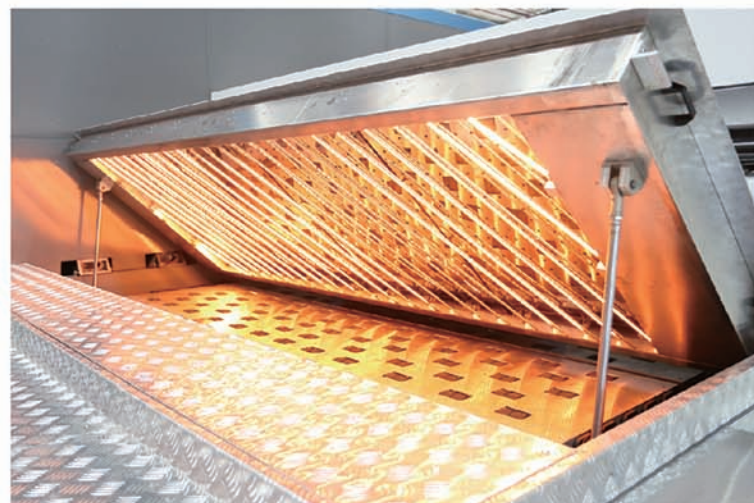


### Dryer Unit

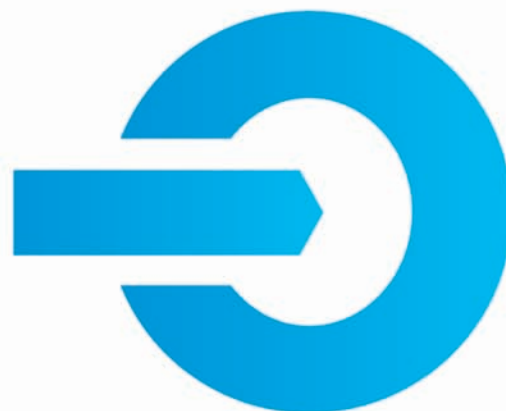
Independent Infrared Dryer System Or Uv Dryer System As Optional



- ◉ IR lamp is segmented control. So lamp could be set according to paperboard width to save power.
- ◉ UV dryer cause the UV coated paperboard surface to dry very quickly. So ink smear will not happen and also the machine speed improved with high quality product.



Quick Drying, Intelligent, Safety And Reliable



MORE CREASING  
HIGHER SLOTTING PRECISION

### Slotter Unit

Double Creaser As Optional



- ◉ Single shaft with double slotting knives. An internal gear adjusts the height of the carton box and prevents the lubricant oil from spilling or leaking onto the paperboard.
- ◉ Slotting bosses move along linear guide rail and are driven by lead screws for flexible and precise movement.
- ◉ Double creaser slotter unit: the use of large creasing wheel structure, more perfect creasing effect; the outer is made of urethane , which will not damage the paperboard. (optional)
- ◉ Lateral movement of the pre-creasing roll, creasing roll and slotting bosses are digitally controlled by motor and PLC.

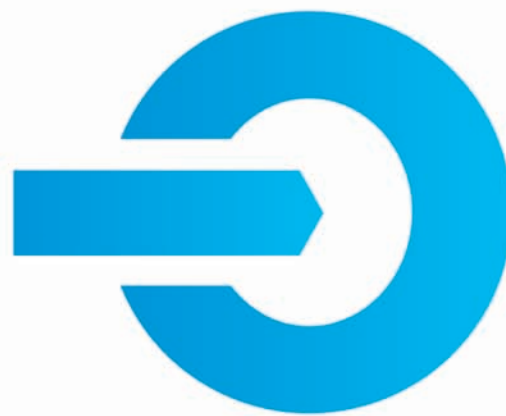




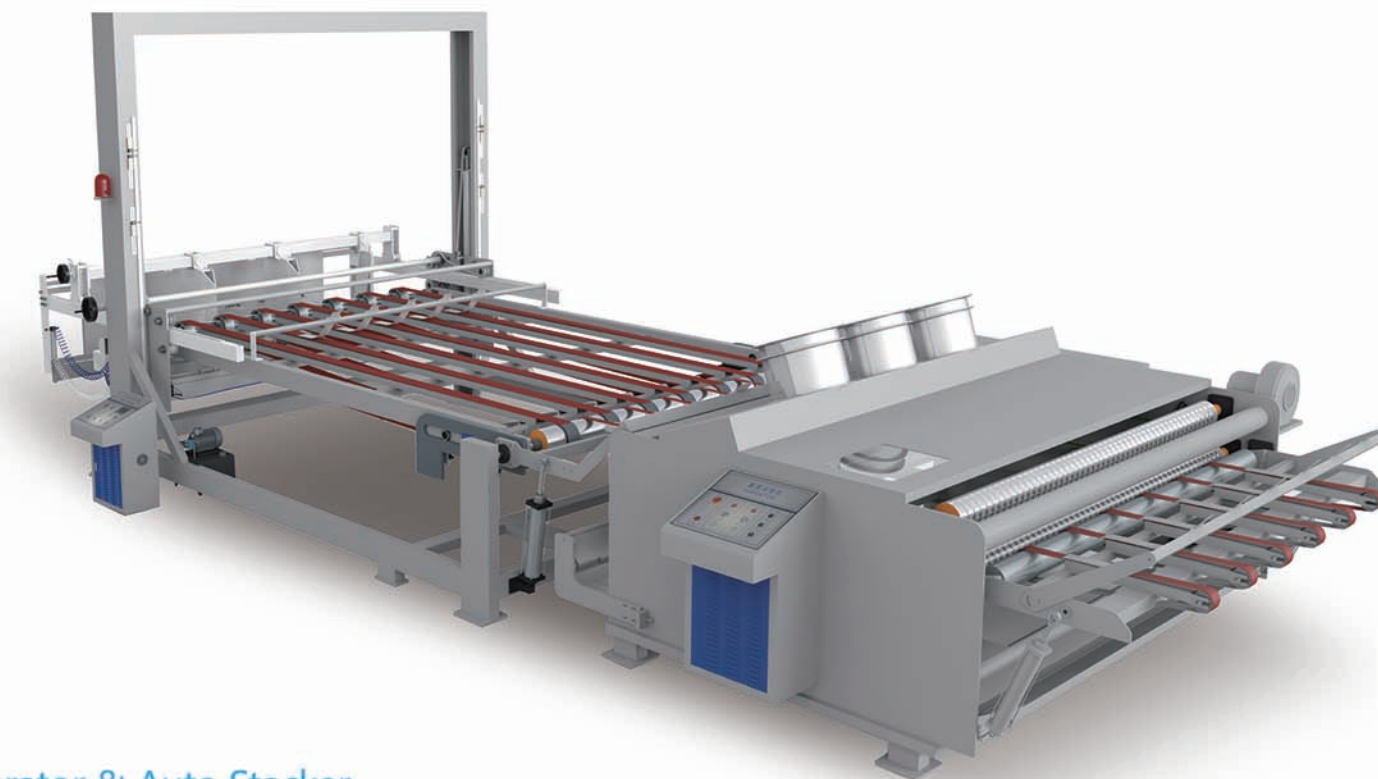
## Die-cutter Unit

### Independent Servo Motor Drive

- ◉ Servo motor drive for the unit, no any vibration to the printer unit. So the printing register promised.
- ◉ Anvil cylinder speed compensation achieved by adopting independent motor, the compensation scope is  $\pm 3.5\text{mm}$ .
- ◉ Die-Cutting register controlled by PLC with servo motor drive.
- ◉ Micro-grinding system is available.(Optional)



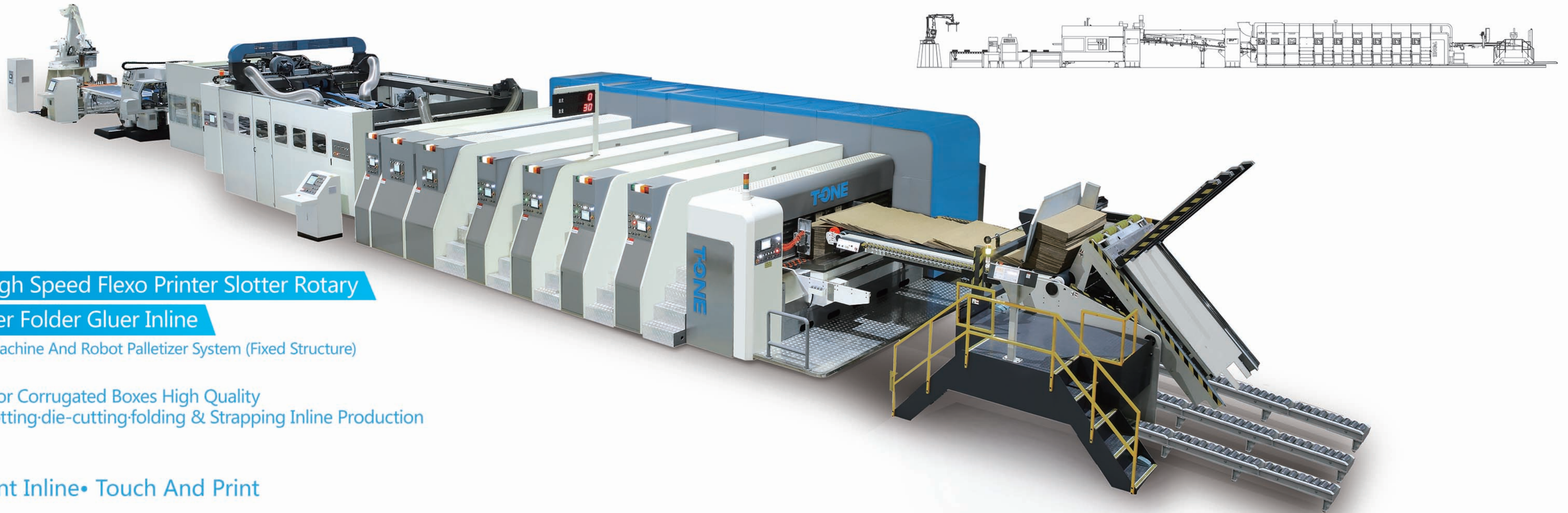
Make Every Die-cutting Smooth And Clean



## Vibrator & Auto Stacker

- ◉ Cleaner section adopts independent motor. There are three vibrating points in drive shaft to fasten the vibrating frequency.
- ◉ Vibrating belts, which controlled by independent speed motor, adopts wrinkled imported belts that protect paperboard from damage.
- ◉ Back end in cleaner part adopted air blower and brush devices, which also help to shake the wastepaper off and clean completely.
- ◉ The connection arm can be manual or automatic operated.
- ◉ Air compressed sheet catching arm. When the paperboard stacking at the set height, the catching arm can be automatically stretch out to hold the paperboard.
- ◉ Tension of the transfer belt at the connection arm can be adjusted individually, no equal length restriction





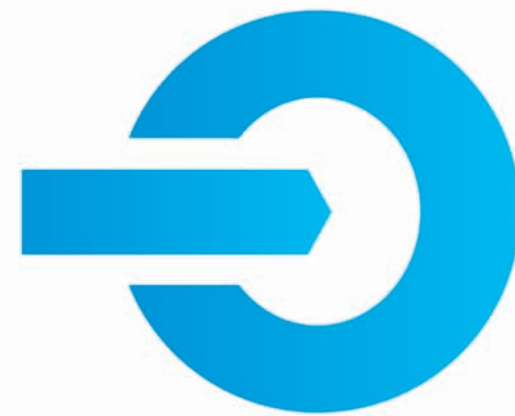
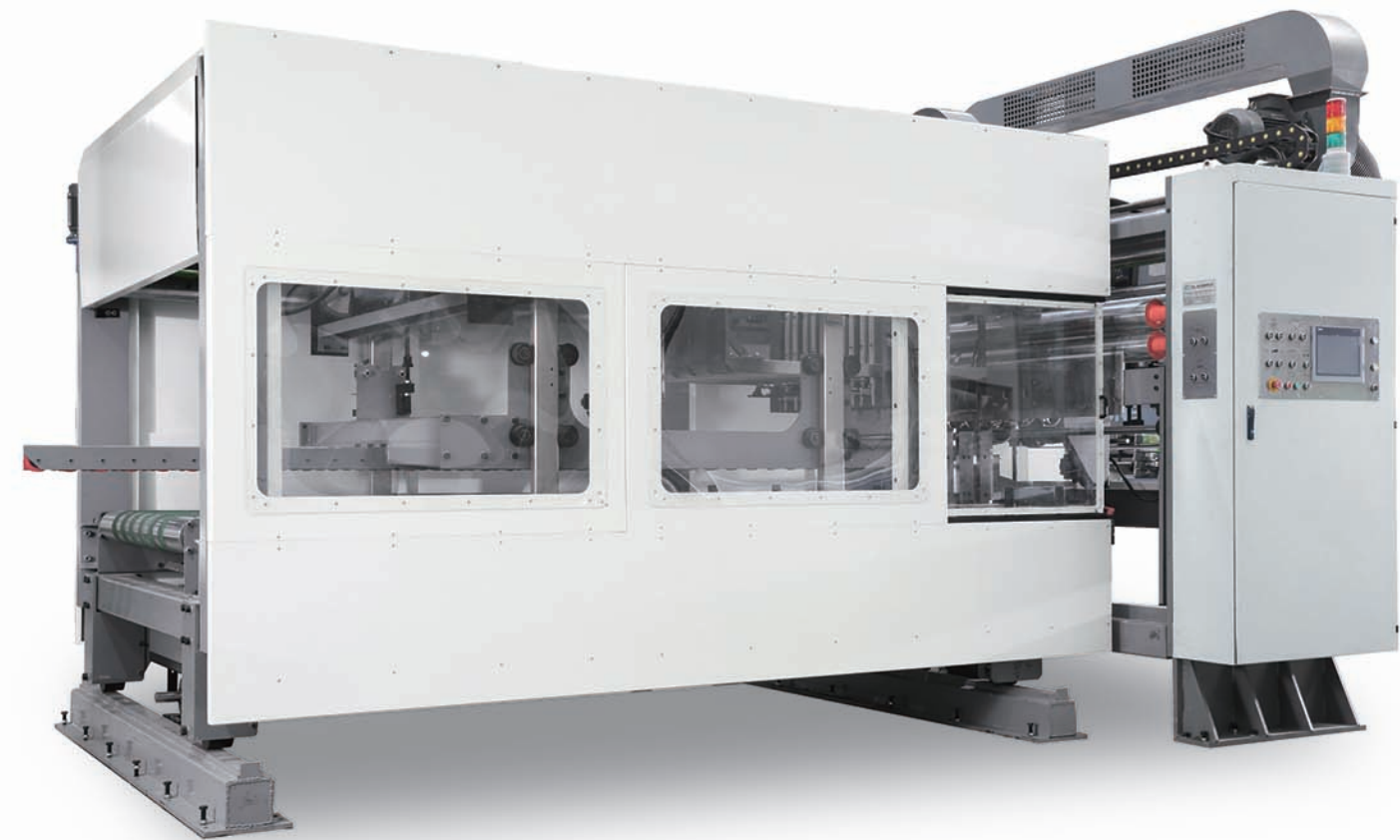
## T-FSG High Speed Flexo Printer Slotter Rotary

### Die-cutter Folder Gluer Inline

Strapping Machine And Robot Palletizer System (Fixed Structure)

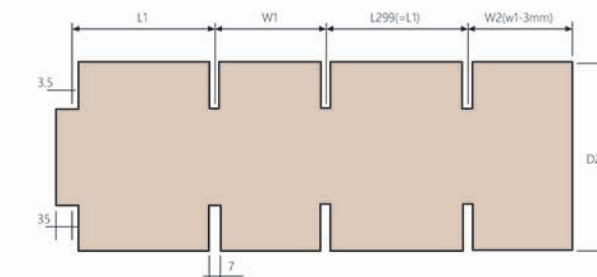
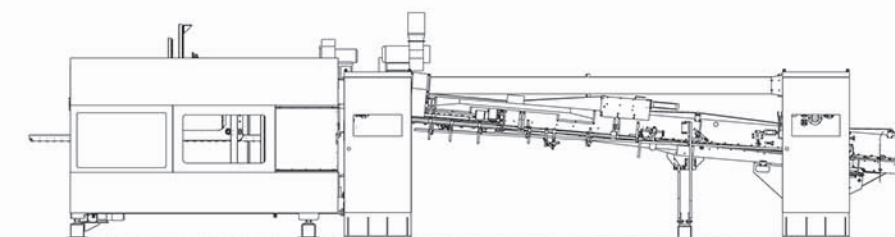
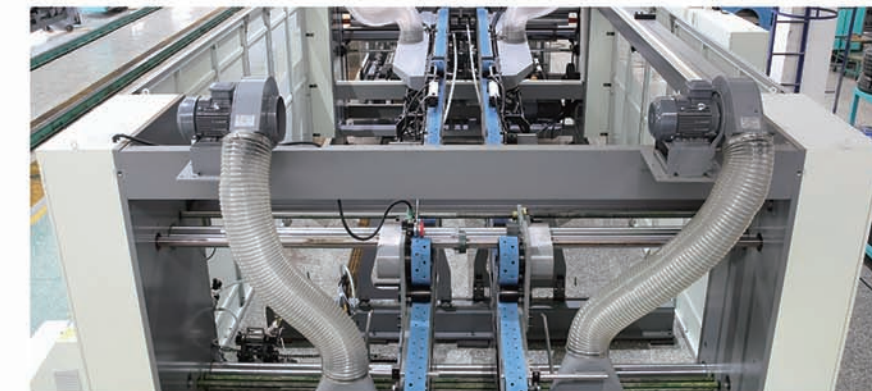
Excellent For Corrugated Boxes High Quality  
Printing-slotting-die-cutting-folding & Strapping Inline Production

Intelligent Inline • Touch And Print



## Automatic folder gluer Inline With Printer

- Taiyi automatic folder gluer with multi-segment glue system and easy to maintain.
- Equipped with new folding system: accurate folding at the polyline point, promise clearance precision.
- Counter Ejector Section (right angle correction/counting synchronization type). Precise counting, stacking and paper board out are promised by several servo motors.
- HMI color touch screen for setting and also for false alarming.



Machine Speed		2.0 Model	2.4 Model	2.8 Model
Max speed		300pcs/min	250pcs/min	230pcs/min
Carton length (L2)	Max	775	825	900
	Min	175	175	200
Carton width (W1)	Max	525	600	675
	Min	145	145	145
L2+W1	Max	1050	1200	1350
	Min	315	315	345
Carton width (D2)	Max	900	1200	1200
	Min	280	300	300

Length	13m
Weight	15tons
Power	40KW (AC220V) , 50/60Hz , 3 phase
Air flow	70/Litre ( Air compressor 220V 1.5KW )
Flute	A , B , C , AB , BC,EB



Easy Maintenance



Accurate Folding



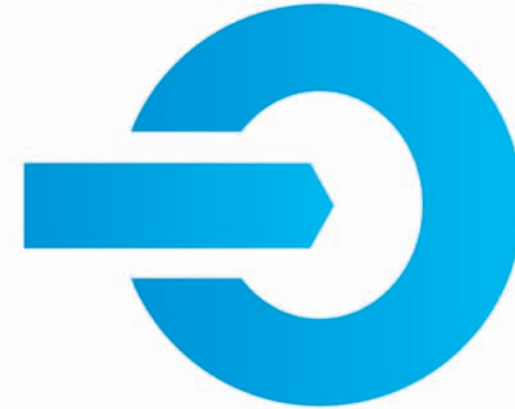
High Speed



Touch Screen Operation

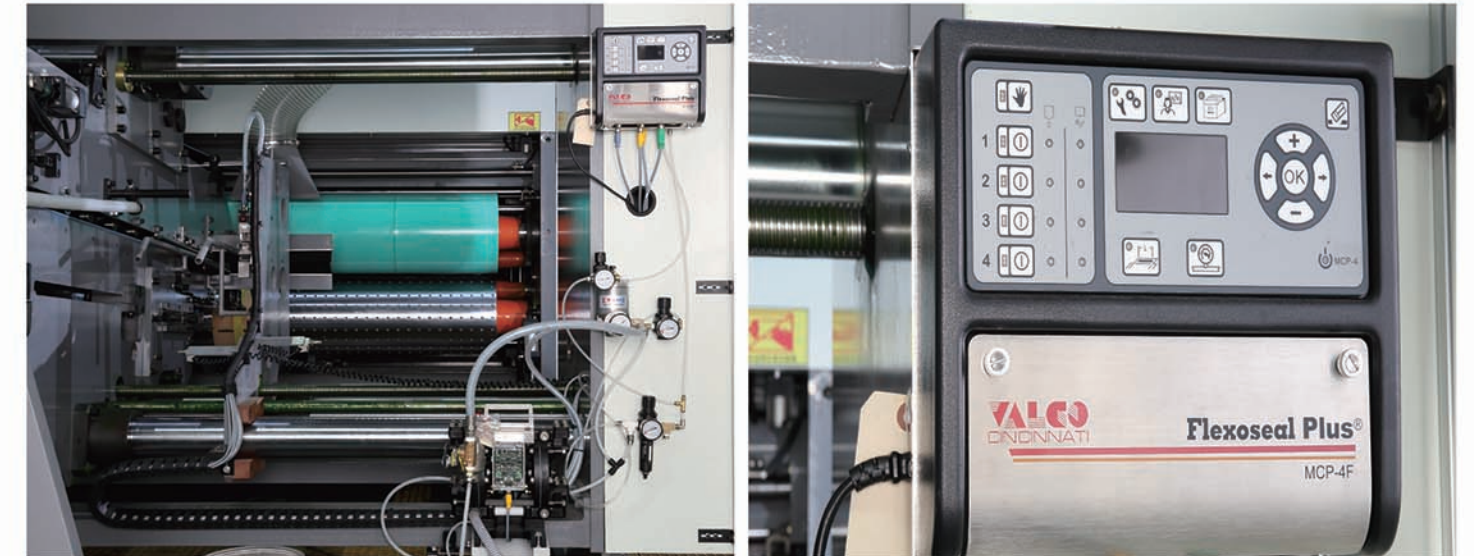
### Feeding Section

- ⊙ Computerized control, easy to operate and quick to change orders.
- ⊙ The position of various cartons can be adjusted automatically according to the order.
- ⊙ Take paperboard from the printing machine automatically.



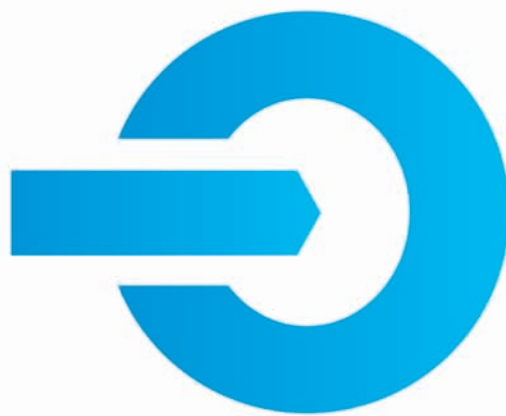
### Gluing Section

- ⊙ Multi-segment spray system adopted: easy maintenance, cost reduced.
- ⊙ Computer setting spray position.



## Folding Section

- ◉ Equipped with new folding system: accurate folding at the polyline, promise the clearance precision.
- ◉ Left and right movement of the folding beam is motorized and automatically adjusted according to the order.
- ◉ The main belt adopts suction conveying, in the final stage of folding to prevent distortion and make transfer fluently.
- ◉ Folding belt on left and right can be adjusted separately: individual motor can adjust the speed of folding belt according to carton size.
- ◉ At the back section of the folding, lower fold belt is equipped. The speed can be adjusted separately, rubbing the carton folding surface, reducing fish tail.



## Counter Ejector Section (Right Angle Correction/counting Synchronization Type)

- ◉ Counter Ejector Section (right angle correction/counting synchronization type). Precise counting, stacking and paper board out are promised by several servo motors.
- ◉ Strong wind pressure to promise the piled carton in order. And the air outlet direction can be adjusted.
- ◉ Those not standard could also be done perfectly, for example, carton with hand hole, flap outside glued, vented paperboard and so on.
- ◉ Fully closed for safety operation.

