TCY
TIEN CHIN YU
MACHINERY MFG. CO., LTD.

Equipments for Corrugated Cardboard and Carton Box Making Machine
Manufacturer of Ceramic Anilox Rolls
http://www.tcy.com

FLEXO / CORRUGATOR

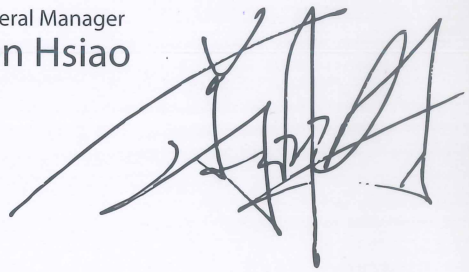
COMPANY SUMMARY

Founded in 1959, Tien Chin Yu Machinery Mfg. Co., Ltd (TCY) is one of the top 10 corrugated industry machine suppliers with worldwide service network. TCY supplies best quality of fully automatic computerized Corrugated Paper Machine and Printer Slotter to various customers over 70 countries. TCY produces comprehensive range of converting equipment, with flexo folder gluer and printer slotter in sizes from mini 660mmx1800mm up to Jumbo size width 2200mmx5500mm.

TCY never cease innovation, products like “Vacuum Transfer Device”, “Ink Chamber Blade System”, “Folder Gluer”, “Integrated Computer Production System (non-stop order change)” are all self-designed to enhance machinery function. In Taiwan, first Flexo Printer Slotter was made by TCY in 1978. After seven years, first Automatic Folder Gluer machine was produced. In 1996, TCY manufactured first set of Corrugator Line and Automatic Slitter Scorer. Four years later, first set of Jumbo Flexo Printer Slotter was innovated by TCY in Asia market. And in 2007, TCY completed first set of Up Folding and Top Loading Counter Ejector in Asia.

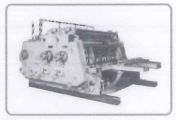
- **High performance products for customer's needs , not in the pursuit of profit.**
- **Strong procurement strategies to source the materials , not to price as the main purpose.**
- **Manufacturing capacity and utilization; not to enhance the conditions for inappropriate high speed.**
- **Business services committed to precision and efficiency; not to be a state of total confusion with no order.**

General Manager
Ken Hsiao



EVOLUTION

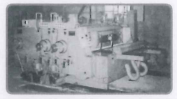
1959
- Established Tien Chin Enterprise Organization at Zhi Feng Street in Taipei City.
- Specialized in the manufacturing of Manual Stitcher and offered maintenance service
- Factory floor area : 120M²
- Number of employees : 6



1968
- Tien Chin Enterprise Organization moved to Liuo Zhang Street in San Chong city.
- Due to the change of market demand, Tien Chin Enterprise continue to research and develop machines:
  (1) Longway Oil Base Printer
  (2) Longway Flexo Printer Slotter
  (3) Eccentric Slotter
  (4) Rotary Slitter Scorer
- Factory floor area : 240M²

1970
- Officially established Tien Chin Yu Machinery Manufacture Company Limited.

1973
- Due to production increase, TCY moved to Liou Fu Road, Lu Chu Shiang in Tao Yuan Shiang and expansion factory.
- Factory floor area : 2000M²



1978
- Self-innovation and manufactured the first Printer Slotter in Taiwan.
- Expansion of the factory building, factory floor area : 3000M²

1980
- Self-innovation and manufactured the first set of Corrugator Line.
- Signed Agency contract with ID Machinery in Britain.

1984
- Self-innovation and manufactured the first Auto Slitter Scorer (Double Blade).
- Expansion of the factory building, factory floor area : 4000M²

1985
- Self-innovation and manufactured the first Automatic Folder Gluer machine in Taiwan.

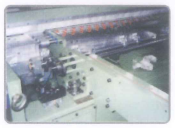
1986
- Expansion of the factory building, factory floor area : 5000M²

1988
- First upgrade of product, align with technological collaboration with JEC, Japan which has greatly improved the entire production efficiency of the Corrugator Line.
- The production line of corrugated cardboard sales volume rapidly grew.
- Expansion of the building, factory floor area : 7000M²

1990
- Second upgrade of product, with the combination of Technological Collaboration with SAMWA, Japan, produced the first set of Automatic Down Staker for Corrugator Line (DSTK)
- Mr. Takada Isii from Tomoku Company in Japan holds a post in one of the 3 paper factories in the early days. He started as a basic chief office clerk. After 40 years of work experience, he was promoted as Managing Director. During that period, he managed 18 factories of Tomoku Company. While working at Tomoku Company, Mr. Takada worked in cooperation with SANWA and MITSUBISHI and developed Auto Down Stacker for Corrugator Line use.Based on Mr. Takada 40 years of experience in the Corrugated Box industry, TCY appointed and offered high salary to Mr Takada Isii as Senior consultant, specialized in reforming and innovating design, improvement on product quality and precision of the machine.
- Sold 6 sets of Corrugator Line, 28 sets of Flexo Printer Slotter to SDM, Inda Kia Pulp and Paper Group in Indonesia, with excellent sales result, TCY astonished the world.

1993
- Signed Agency contract with NEXT Company. Expansion the American and Australian Market (Cooperation with NEXT ended in 1997), Machines sold to the following groups during Cooperation with NEXT:
  (1)Visyboard Pty Ltd.
  (2)Pratt Industries (U.S.A)
  (3)Smurfit Group
- According to the change of global market demand, we have amended the mechanical structure of Flexo Machine in order to improve production speed and quality.

1994
- Manufactured the second generation of 6PA Flexo Printer Slotter machine, size 1200 x 2750MM
- Manufactured the second generation of 8PA Flexo Printer Slotter, size 1600 x 3000MM
- For the very first time, TCY flew abroad to participate in the Corrugated Exhibition in Paris, France 1994. Exhibited TCY second generation Flexo Printer Slotter machine, TCY entered into the international market.



1995
- TCY was the first company to use SUN Lead Edge Feeder among the whole Asia's paper machinery manufacture industry.
- Sold 6 sets of Corrugator Line and 5 sets of Flexo Printer Slotter to Ting Hsin International Group in China.

1996
- Manufactured the second generation of 5PA Flexo Printer Slotter, size 1000 x 2500MM
- Manufactured the second generation of 9PA-FG Flexo Printer Slotter, size 660 x 1800MM
- Manufactured the first set of Corrugator Line and Automatic Slitter Scorer (Single Blade). (Machine was sold to Ying Cheng Paper Industry in Miao Li County)
- First time participated in the Super Corr Exhibition in Atlanta 1996.
- Participated in the ASIA Corrugated Exhibition in Singapore 1996.

1997
- Signed Agency contract with United Container Machinery Company (Cooperation with the company ended in 2000) During cooperation with United Company, Flexo Printer Slotter machines were sold to U.S.A, Mexico and Canada.
- Sold 6 sets of Flexo Printer Slotter to SDM, Inda Kia Pulp and Paper Group in Indonesia. SDM continued to purchase machinery from TCY.

1998
- Employed the senior retired electrical engineer from Langston, based on his experience and technique, improved the corporate image of the company and lead TCY to globalization.
- Participated in the Corrugated Exhibition in Paris, France 1998.

1999
- One of the shareholder announced to withdraw shares from Tien Chin Yu Machinery Manufacture Company Limited, as a result, shares of the company were reorganized.
- Recognition and certified by ISO-9001.
- Factory floor area : 30,000 M²

2000

- Manufactured Asia's first set of Jumbo Flexo Printer Slotter (size 2200 X 5200mm) and was sold to Visy board in Australia.
- Participated in the Super Corr Exhibition in Atlanta, USA in 2000 Exhibited the first set of Jumbo Flexo Printer Slotter, size 2200 X 5500MM, machine was sold by United Container Machinery Industry.

2001

- Through an American company, TCY purchased Corrugator and Flexo blueprint from Langston. Unfortunately, the plan terminated in the same year, and caused critical loss to the company.
- Former General Manager emptied company funds, stole mechanical drawings, destroyed computer system, separately reorganized his own company, lured senior staff to leave TCY and join his company. False notices were sent to Customers informing them that TCY was bankrupt and led to the cancellation of orders. Sales Department became paralyzed which caused serious impact to the image and reputation of the company.

2002

- The new General Manager reformed the company's structure, led and managed a new group of Sales Department to stage a new comeback, restart to run the business again.
- In order to reconstruct the company image, the new General Manager insisted on participated in the Corrugated Exhibition in Paris, in order to re-establish the company's position in the market. TCY took this opportunity to participate in the Corrugated Exhibition after the incident. TCY wanted to prove to the world of its strength and sustainability in the Corrugated industry. Machine exhibited statical during the show: 8PA Rotary Die Cutter Size: 1600x3000mm, Space of the exhibition booth : 250M²

2003

- Participated in the Sino Corrugated Exhibition in Shanghai, China 2003 for the first time. Exhibited 6PA Flexo Machine (Speed : 280 sheet/min) For the first time, TCY displayed the machine during the exhibition show. Floor area of the booth : 108M²
- Signed agency contract with SIIE, a sales prelude of TCY machine in the Spanish market.
- In order to improve mechanical performance and quality of the machine, TCY made a complete examination of the machine's mechanical and electrical problems. TCY made further step to renovate the machine as a first step to establish its place in the Corrugated industry.

2004

- TCY participated in the Super Corr Exhibition in Atlanta, U.S.A 2004.
- Further redesign and redevelop the Folder Gluer and Counter Ejector Unit.

2005

- participated in the Sino Corrugated Exhibition in Shanghai, China 2005. Exhibited machines :
  6PA-FG (Speed : 250 sheet / min)
  9PA-FG (Speed : 350 sheet / min)
  TCY broke the world record for being the first company to exhibit 2 running Flexo Folder Gluer and production of boxes during an exhibition. Apparently it was a difficult task to install 2 sets of Folder Gluer with different sizes within such limited days as provided. But somehow TCY have spirits of overcoming the difficult challenge. We TCY successfully completed and installed 2 sets of Folder Gluer within 3 days.
- Recognition and certified by International CE Certificate.

2006

- Completed the first new design - Down Folding with Top Loading Counter Ejector. (Model : FGT), speed 280 sheet/min.
- Due to high demand in the Corrugated market, for the third time, successfully sold one set of Corrugator Line, 5 sets of Flexo Printer Slotter to SDM, Inda Kia Pulp and Paper Group in Indonesia.
- Participated Istanbul Packaging Exhibition in Turkey 2006.
- Participated Tehran International Exhibition Express in Iran.
- Participated Rosupak Exhibition in Russia 2006.

2007

- TCY completed the first set of Up Folding and Top Loading Counter Ejector in Asia(Model: UFGT) peed: 250 sheet/min.Machine was sold to Spain.
- Participated Sino Corrugated Exhibition in Shanghai, China 2007.
  Exhibited machine : 6PA-FGT (Speed 280 sheet/min)
- Participated Rosupak Exhibition in Russia 2007. TCY was also the only company to exhibit running machine and production of boxes at the exhibition show.
- Invested 3 million U.S. dollars in two sets of Five Axis CNC Auto Machine Center from Japan in order to improve the production efficiency and precision of machining products. This is to ensure quality guarantee as always emphasis by TCY.
- In cooperation with Italian Company, purchased Auto Stitcher. Completed the Asia's first set of Jumbo Flexo Printer Slotter with Auto Stitcher and Top Loading Folder Counter Ejector. Size 2200 x 5500mm. Machine was sold to Spain.

2008

- Inflation of raw material price, the price of petroleum rose to 145 dollars/ barrel, at the same time TCY faced the global recession in the later stage. As adheres to conservative ideas, TCY decided to slow down, non-arbitrary to receive orders, not pursue high purchased material, communicate with customers and even informed customers it wasn't the right time to invest, trying to reduce the risk of investment for customers. Step by step, made the company grow steadily and sustainability.
- In the same year, Five Axis CNC Machine Center was installed in TCY factory.

2009

- TCY participated in the Sino Corrugated Exhibition in Shanghai, China 2009. Exhibited machine:9PA-FGT (Speed 400 sheet/min) Running machine and production of boxes during the exhibition show.

2010

- TCY Participated in the Rosupak Exhibition in Russia 2010.

2011

- TCY Participated in the Rosupak Exhibition in Russia 2011. Exhibited machine:9PA-9FGT(Speed 24000sheet/hour) Running machine and production of boxes during the exhibition show.

2013

- TCY Participated in the CCE International Exhibition in Germany 2013. Exhibited machine:9PA-9FGT (Speed 24000 boxes/hour) Running machine and production of boxes during the exhibition show.
- TCY Participated in the Rosupak Exhibition in Russia 2013. Exhibited machine:8PA-STK. Running machine and production of boxes during the exhibition show.

2014

- TCY Participated in the Istanbul Packaging Exhibition in Turkey 2014. Exhibited machine: 9PA-9FGT(Speed 24000 boxes/hour) Running machine and production of boxes during the exhibition show.

2015

- Participated Corrugated & carton Exhibition (CCE) in Germany 2015.

2016

- Participated SuperCorr EXPO (SCE) in Orlando Florida U.S.A. 2016.

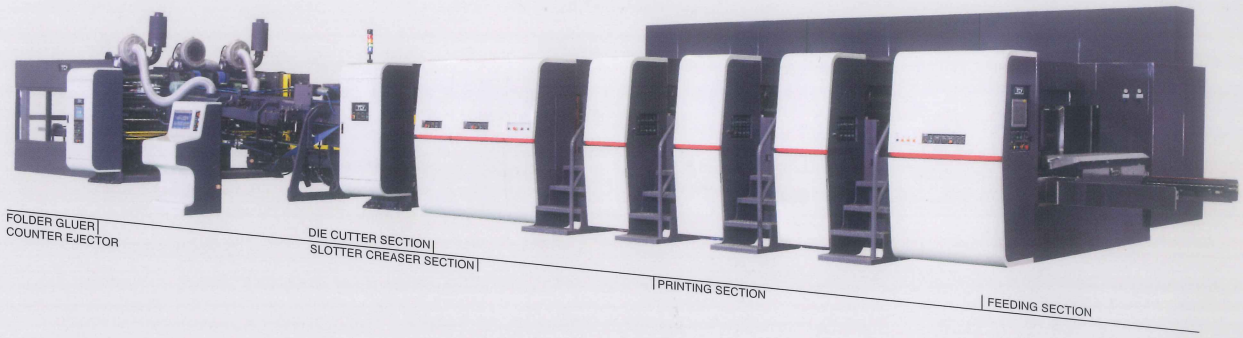
2017

- Participated Icorrugated ASIA EXPO (SCE) in NECC Shanghai China 2017.

PRODUCT THE REVOLUTION OF FIXED TYPE & DIRECT DRIVE SYSTEM FLEXO MACHINE

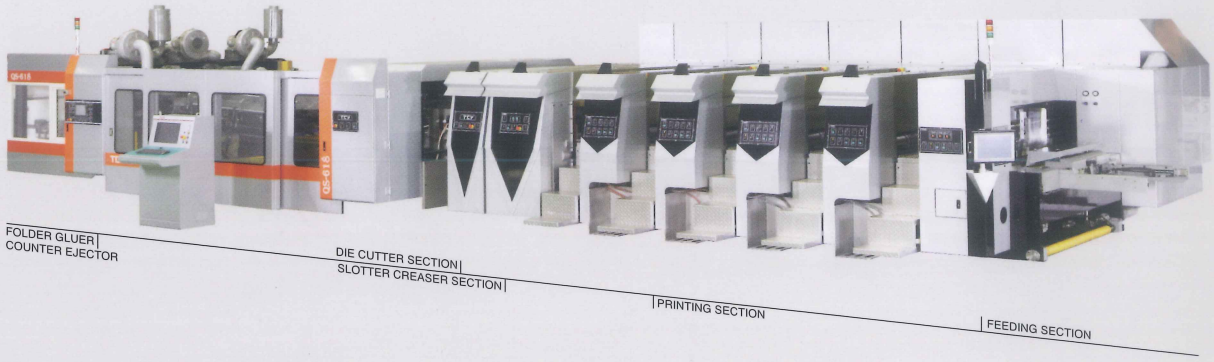
- Quick order change for non-stop production.
- High efficiency for short order.
- Full automation and smart control.

1000mm x 2500mm
21000 sheet/hr



QS-1025 FIXED TYPE/SERVO DRIVE

660mm x 1800mm
25800 sheet/hr

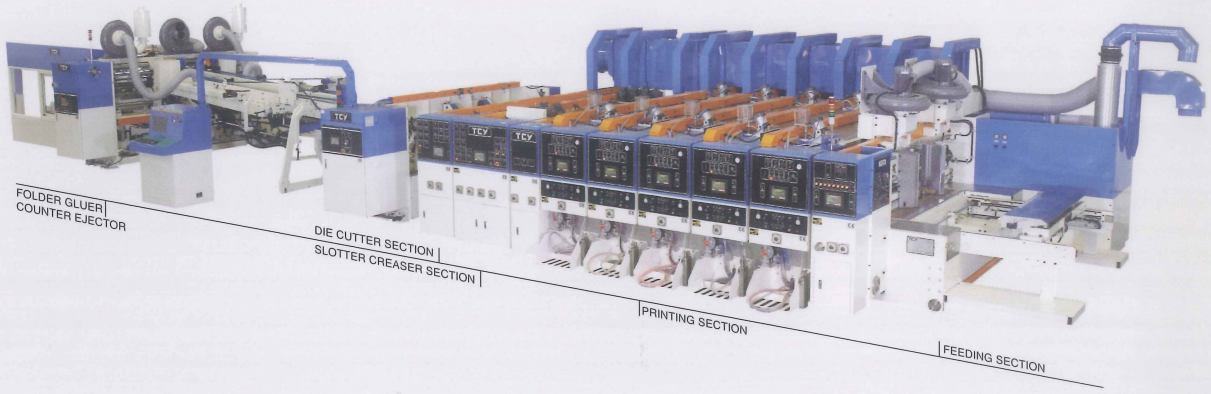


QS-618 FIXED TYPE/SERVO DRIVE

PRODUCT THE RELIABILITY OF OPEN/CLOSE TYPE & PLANETARY GEAR TRANSMISSION SYSTEM FLEXO MACHINE

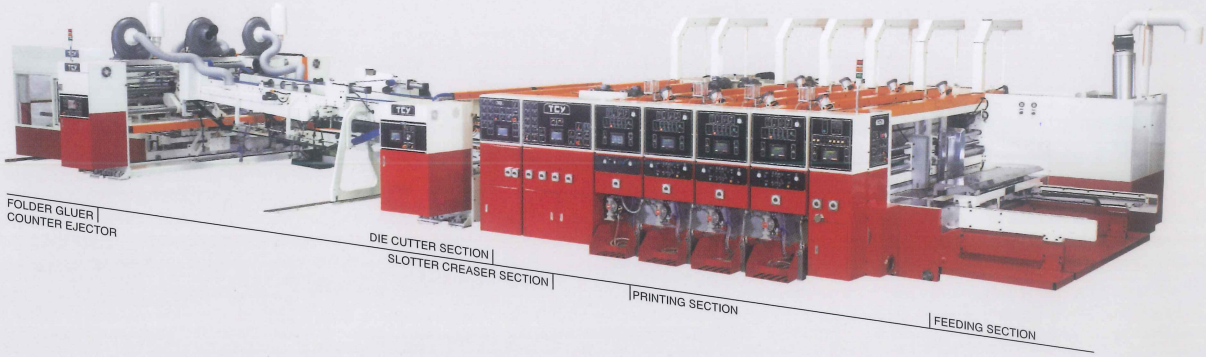
- Strong machine construction & easy maintenance.
- Full size range from mini to jumbo flexo machine for all dimensions.
- Top/bottom printing + lower/upper folding are available.

1000mm x 2200mm
1000mm x 2500mm
16800 sheet/hr



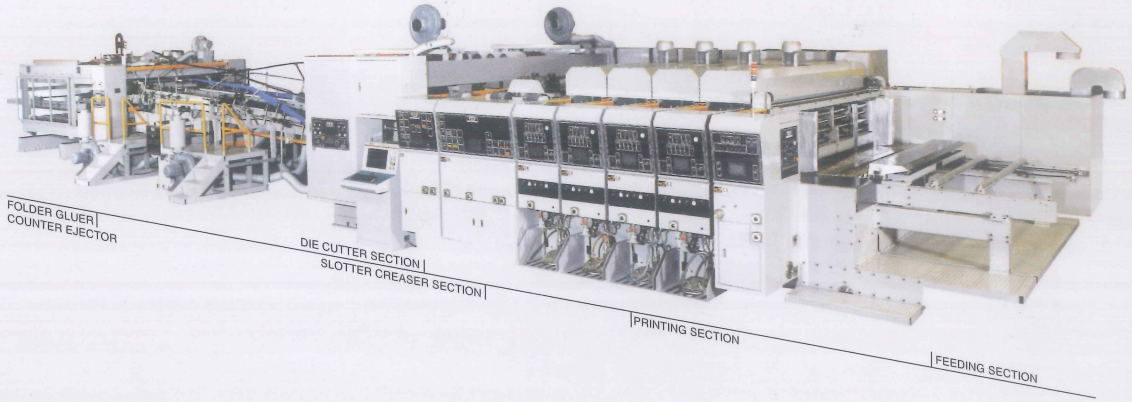
5PA/PAB TOP/BOTTOM PRINTING

1200mm x 2500mm
1200mm x 2750mm
1200mm x 3000mm
15000 sheet/hr



6PA/PAB TOP/BOTTOM PRINTING

1600mm x 4200mm
9000 sheet/hr



8PAB BOTTOM PRINTING

660mm x 1800mm
24000 sheet/hr

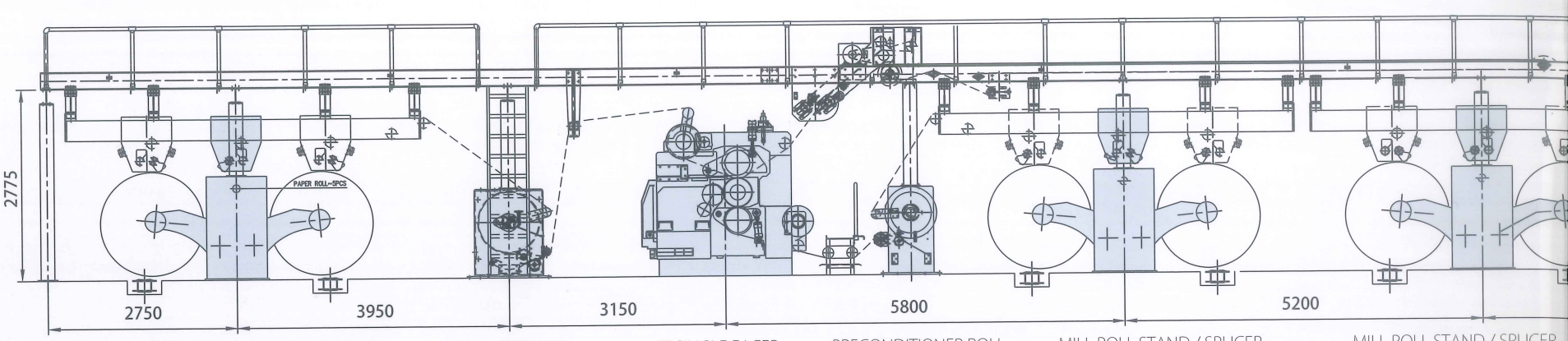
9PA TOP PRINTING

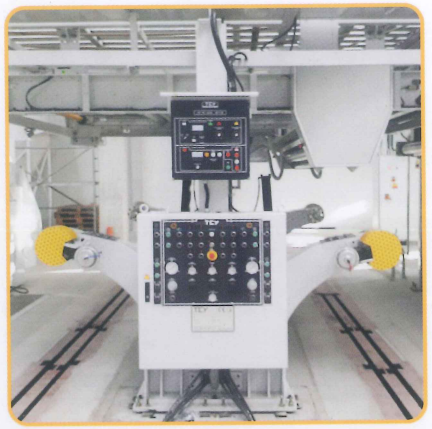
2200mm x 5500mm
6000 sheet/hr

11PAB BOTTOM PRINTING

PRODUCT CORRUGATOR

- The full line corrugator in size range 1800mm ~2500mm.
- The maximum production speed 350 meter/minute.
- Integrated control system and high efficiency of short order change.

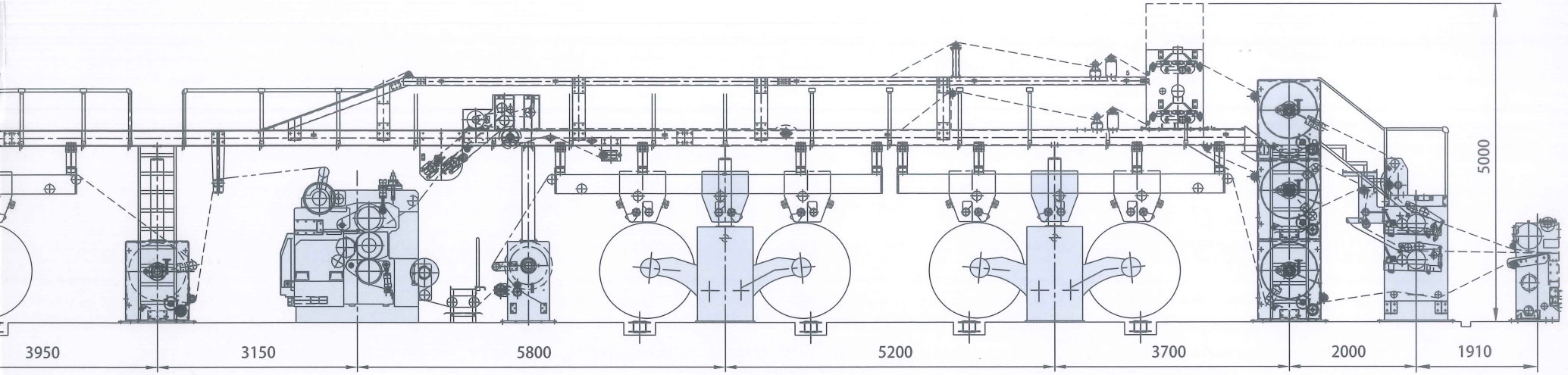




MILL ROLL STAND & SPLICER

SINGLE FACER

WET-ENDS



WET-ENDS

TRIPLE PREHEATER ROLL

DOUBLE GLUING SECTION

RESEARCH AND DEVELOPMENT

PROCESSING AND MANUFACTURING

FINISHED ASSEMBLY

In house parts machinery & quality control which over 70% are produced by own CNC machine center.
Complete spare parts organization and continue after service support for all models.

TIEN CHIN YU MACHINERY MANUFACTURING CO., LTD.
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