



台湾协扬机械（广东）有限公司
Taiwan Xie Yang Machinery (Guangdong) Co.,Ltd

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台湾协扬机械（广东）有限公司
Taiwan Xie Yang Machinery (Guangdong) Co.,Ltd

公司简介 **Company Profile**

秉承制造高速度、高品质、高效率瓦楞纸板生产线的宗旨，台湾协扬机械自成立以来一直以先进的技术、专业的知识及电脑化的管理从事瓦楞纸板整厂生产设备的研发及制造。

Taiwan Xieyang Machinery Co., Ltd. is adhering to the purpose of manufacturing high-speed, high-quality and high-efficiency corrugated cardboard production line. Engaged in R&D and manufacturing of corrugated cardboard production equipment with advanced technology, professional knowledge and computerized management.

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公司简介 Company Profile

为求能充分掌握生产的效率与品质，公司于2006年在江苏昆山成立昆山协扬机械有限公司，2015年在江苏太仓成立协扬机械（江苏）有限公司、2018年在广东省江门市成立协扬机械（广东）有限公司，公司专业从事全套瓦楞纸板生产设备的规划、设计、制造和安装。公司以优良的品质、稳定的性能、热忱的服务，为广大客户提供更方便、更快捷、更优质的服务。

In order to fully grasp the efficiency and quality of production, the Taiwan Xieyang Machinery (Kunshan) Co., Ltd. was established in Kunshan in 2006 and Taiwan Xieyang Machinery (Jiangsu) Co., Ltd. was established in Taicang in 2015, Taiwan Xieyang Machinery (Guangdong) Co., Ltd. was established in Jiangmen in 2018. All companies specialize in planning, design, manufacturing as well as installation of complete set of corrugated cardboard production equipment. With excellent quality, stable performance and enthusiastic service, the company provides more convenient, faster and higher quality service for customers.



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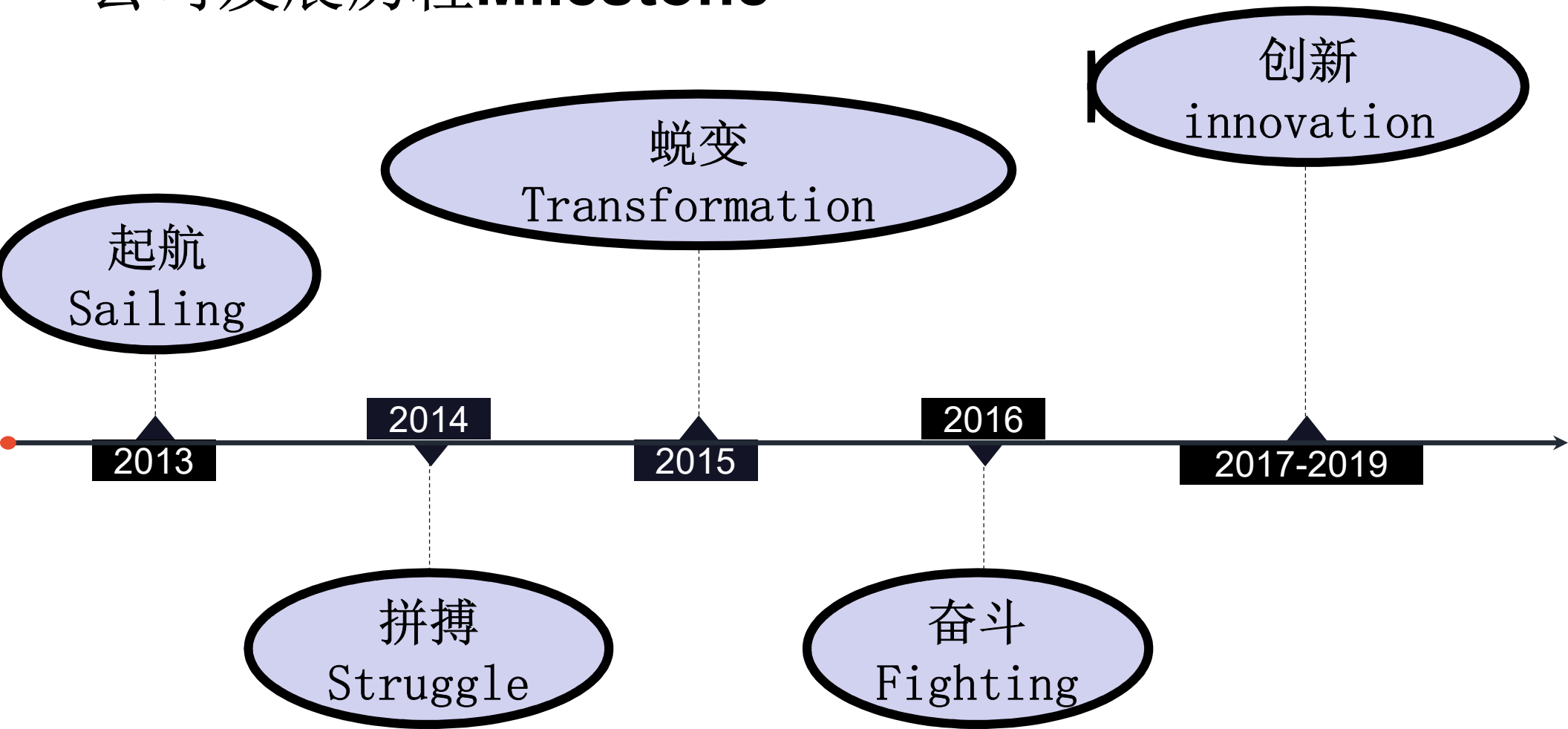
客户可依实际需要做各种不同的选择及组合搭配，并配备电脑生产管理系统，可协助排单与监看生产情况，并且统计分析其生产结果，以协助客户作更有效率的生产及管理；我们亦提供自动制浆机、原纸自动物流、纸板出纸物流等周边设备，为客户提供整厂完整规划及解决方案。

Customers have various choices and combinations according to actual needs, together with computer production management systems to assist in scheduling and monitoring production; in addition, statistics is analyzed for more efficient production and management; we also provide peripheral facilities such as auto glue kitchen, auto paper logistics and cardboard logistics, as well as a complete range of planning and solutions for your plants.



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公司发展历程Milestone



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工作车间Workshop-1



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Workshop-2



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我们的供应商 Our Supplier



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我们的机器服务于 Our Machines Serving For



DELL

SONY

JVC



青島啤酒

北京2008年奥运会赞助商
Official Sponsor of the Beijing 2008 Olympic Games



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WULIANGYE
中国的 世界的



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产品介绍 Product Introduction

系列 Series	Production Speed	Paper Width
XYM-C200	180M/min	1600-2500mm
XYM-C250	230M/min	1600-2800mm
XYM-C300	270M/min	1600-2800mm



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Paper Roll Stand



Main type	Used for Machine Width
MRS-V4	1800-2000mm
MRS-V5	2200-2500mm

- 1.Lifting, lowering, Open-close and right-lef by hydraulic system;
- 2.Manual railway and paper carrier-9m;
- 3.Tension Control by air brake;
- 4.Hydraulic railway and hydraulic lift up(option)
- 5.multi point brake;(option)



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Single Facer



Type	Diameter of Corrugating Roll	Design Speed
SF-20N	320	200m/min
SF-22N	360	230m/min
SF-25N	408	250m/min

- 1 Tungsten Corrugating rolls
2. Upper Corrugating roll, pressure roll and applicator roll controlled by pneumatic or hydraulic;
3. Lower corrugating roll and pressure roll, lower corrugating roll and glue roll, glue roll and doctor roll could be micro-adjustment by electric and digital indication;
4. Japanese Bearings for upper corrugating roll, lower corrugating roll and pressure roll;
5. Electric dividing-glue device, Electric eye tracing device, auto withdraw glue and stop when break paper.
6. main drive motor with frequency conversion control.
7. Glue roll auto idle, 1 set speed-down motor to take glue roll rotate, avoiding glue dry on the surface of glue roll.
8. Tungsten Carbide corrugating roll;(option)
9. PLC auto glue mixing device to control the amount of glue efficiently;(option)



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Single Facer-Multi-Cassette Positive Pressure



Type	Diameter of Corrugating Roll	Design Speed
MSF-28P	390	280m/min
MSF-32P	426	300m/min

- 1 Modular design, easily for maintenance and upgrading;
2. Corrugating rolls under pressure roll could be lower the center of gravity to reduce noise and vibration when the machine is running, it could make the production more smooth and stable;
3. quick corrugating roll change system with motorized trolley within 15 minutes;
4. Four kinds of flute A.C.B.E could be selected by customer;
4. precise gluing system, ge cubical is instead of the traditional glue pan type;
- 5 Glue film thickness automatic adjusted according to line speed, material paper;
6. Lower corrugating roll and pressure roll, lower corrugating roll and glue roll, glue roll and doctor roll could be micro-adjustment by electric and digital indication;
7. Japanese Bearings for upper corrugating roll, lower corrugating roll and pressure roll;
8. Integrated touch screen control unit;



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Pre-heater for Liner/Medium



Description	Type
pre-heater for liner	PH-9,PH-10,PC-11,PH-11R
pre-heater for medium	PC-9,PC-10,PC-11,PC-11R

1. Preheating roll diameter 900mm, 1000mm,1100mm;
- 2.Paper' s guide roller:one is fixed, the other one travels outside pre-heating roller. Its location is electrically adjusted;
- 3.Pre-heating with electric operation, adjust area 60° -240° ;
- 4.With electric control panel;
- 5.reduction gear motor;



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Glue Machine

- 1 type GU-D5/T5, GU-D7/T7
2. Glue roll, steel product, 36 mesh, surface sand-blasted and chrome-plated;
3. Doctor roll, steel product, surface grinded and chrome plated;
4. Pressure roll, steel product, surface grinded and chrome plated, Lifting controlled by air pressure, it lifts up when medium breaks or Double Backer stops.
5. Gap between glue roll and doctor roll controlled by motor micro adjustment device with digital indication.
6. inverter control glue machine run synchronously with hot plate;
7. split-casting type, glue roll and doctor roll changed easily;
8. PLC auto glue mixing device to control the amount glue effectively; (option)
9. contact bar can make gluing well mixed; (option)



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Double Backer-DF12



- 1.Steam chests: steel product,surface with grinded polish and chromed,
- 2.Lifting controlled by hydraulic and electricl;
- 3.upper canvas belt tension adjustment device;
4. lower canvas belt tension adjustment device;
5. entrance of heating plate can be added pre-heating roll and motorized guide roll;
6. weight roller can change to contact bar or pedrail air cell pressure plate from England;
7. temperature control automatically;



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Triplex Pre-heater



1. Type PH-T9,PH-T10;PC-T9R,PC-T10R;PH-11,PC-11;
2. Preheating roll diameter 900mm, 1000mm,1100mm,steel product;
- 3.Paper' s guide roller:3 of them are fixed, the other three travel outside pre-heating roller. Its location is electrically adjusted.
- 4.Pre-heating with electric operation, adjust area 60° - 240° ;
- 4.With electric control panel;
- 5.reduction gear motor;
- 6.Composed of upper, middle, and lower deck, can operate separately or together.



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Overhead Bridge Conveyor



1. Crawing conveyer with frequency conversion control to make synchronous speed with singel facer;
2. with parallel conveyer, guiding single facer from dingle facer to multiplex pre-heater;
3. left-right baffle with electric adjustment, aligning the paper edge;
4. the tension of paper controlled by compressed air, with frequency conversion control tension;
5. sunction device in bridge to guide paper left-right movement;



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Drive roll stand- DR-5



1. upper drive roll diameter $\varnothing 850\text{mm}$;
2. lower drive roll diameter $\varnothing 650\text{mm}$;
3. The surface of upper and lower drive roll is wrapped with DRC, made herringbone, making cardboard with good stability;
4. Gearing box transmit upper & lower drive roll by upper and lower universal joints;
5. with 1 set of gearing box; with 1 pc of control box; main drive motor 175HP \times 4P inverter motor;



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Rotary Shear-RSC-4



- 1.using when changing order or waste sheet remove could operated on glue machine;
- 2.Max cutting speed 150m/min, cutting speed of waste depends on order change speed;
- 3.upper and lower blades type;
- 4.with waste conveyor belt which controlled by pneumatic;
- 5.Coordinate with auto order change system, the waste between ex-order and existing order will be not over 800mm;
- 6.main motor 30KW AC. servo motor;



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Vacuum Conveyor Table XF-5



- 1.with 5HP suction fan;
- 2.10HP motor transducer control the conveyor belt;
- 3.With left-right baffle control the excursion of paper;
- 4.Cooperate with rotary shear and the order change system in dry part to achieve changing order without stopping machine.



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N.C. Single Blade Slitter Scorer



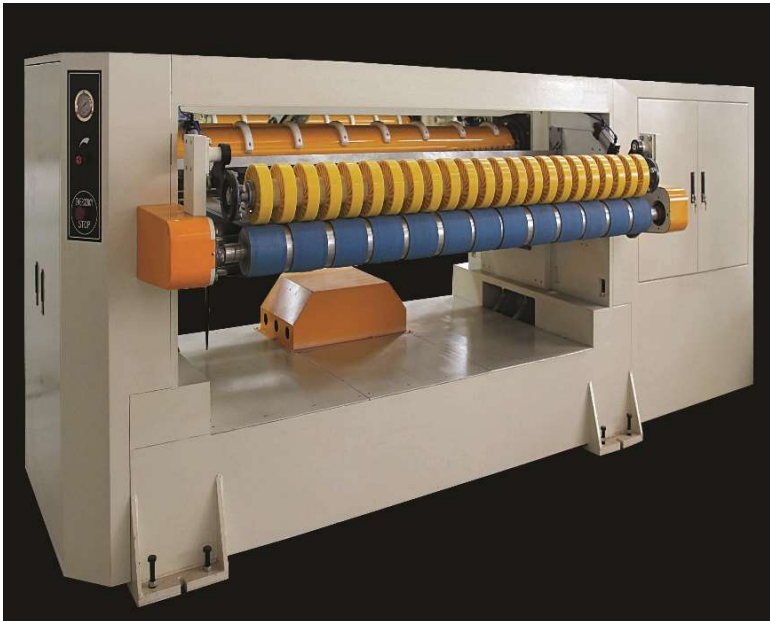
1. type SLAT-4SB/5SB;RLT-4SB/5SB/6SB;
2. slitter and scorer
width 1.6m-2m, slittler 5, scorer 8;
width 2m-2.5m, slittler 6, scorer 10;
width 2.2m-2.5m, slittler 7, scorer 12;
- 3,Lower scoring roll can adopt 4 scoring device: bulge to bulge, bulge to small dent, bulge to big dent, and bulge to flat;
- 4.with scoring depth adjustment setting function;

- 5.Slitter and scorer movement is separately controlled by independent motor.
6. Automatic scoring anti-buckling brace device is between scoring tool and slitting tool.
- 7.Up to 999 order changes can be stored into memory;
- 8.This machine can move right or left 50-75mm by auto motor adjustment.
- 9.with auto paper suction equipment;
- 10.Each blade has its own automatic sharpener and grease injector. It can design different production meter blade according to different paper;
- 11.Slitting and scoring tool both use A.C. motor and inverter to match with dry end;
- 12.completed servo motor and zero scoring;(optional)



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Helical Cut-off(NC-55/77/91KW)



1. Order change speed: 150m/min(cutting length over 850mm),Cutting length: from 500 mm to 9999 mm;cutting accuracy: ± 1 mm;
2. With special electricity revive storage design can save power(can save over 80% power), can overcome the environment of unstable;
3. Special blade adjusting design, can save time and strength when cutting;
4. Mechanical framework, the bottom plate with delicate design is beautiful, and the main bearing of machine is imported from Germany;
5. Blade tube uses A grade steel tube from Japan, the full group pressed from Taiwan to make sure its quality and accuracy;
6. With auto detecting system can prevent equipment damage from error using and operation negligence;



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Auto Downstacker



type	stacking height	stacking length	speed
DSK-3S	1700mm	3500mm	250m/min
ASD-4	350mm	3500mm	250m/min

1. front stage with suction conveyor belt could make paper stacking tightly and organized;
2. Multi-size order stacking that easy for producing small size order.

3. The conveyor belt is of total 4 stages, each stage control by individual servo motor, can affect different belt speed by requiring paper board length, order quantity, production speed;
4. Adjustment of baffle size uses electrical servo control;
5. With computerized auto control to make sure downstacker can accept any order changing and accurate board calculating;
6. Cooperate with glue machine, auto speed change by ratio;



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Challenge product manager system (CPMS -2000)

- 1.Full automatic processing, improve production efficiency;Order input, paper stock listing, synchronous speed control, paper quantity control on bridge, speed down control when changing paper, online control of auto splicers, asynchronous unwinding control of liner and medium, over speed warning, measure of paper consumption, running speed control, online control of NC SLITTER, online control of NC CUTTER, time and order control of order change, production quantity control, running and stopping time records, daily report and statistical table of production, monthly report and statistical table of production are all in the control of computer, which can achieve the goal of improving production efficiency, reducing wastage, and becoming super automatic;
- 2.Ensure quality, avoid negligence, and reduce machine stop time;
- 3.Right paper change signal, reduce paper wastage;
- 4.Production monitoring in time;
- 5.Centralization data processing, supply management and analyze;
- 6.Glue quantity control automatic system;
- 7.Main function---master/vice scheduling control computer;Monitor the production state in real time;Input, change, and order insert of production scheduling;Count the total scheduling length and estimate the finish time of each order;Print production scheduling chart, paper stock listing and tag sheet;Inquire and print the detail list and statistical form of daily production;



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Case study 1-Zhongtai paper



located in Jiangmen city,Guangdong province,
one of biggest manufacturers for corrugating
paper
board with A fluet,B fluet,C fluet,E fluet,
covering 3 player,5 player,7 palyer paper board;



total 8 completed lines
width 2.8m, 1 pc;
width2.5m, 1 pc;
width2.2m,3 pcs;
width1.8m,1 pc;
estimated 2,000,000.00m² per day;

the other 2 pcs of width2.5m are completed,
waiting for installtion;



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Case study 2----Towhid Carton



located in Tehran,Iran, one of biggest manufacturers for corrugating paper board with B fluet,C fluet,E fluet, covering 3 player,5 player paper board;

1 completed width 2.5m lines,

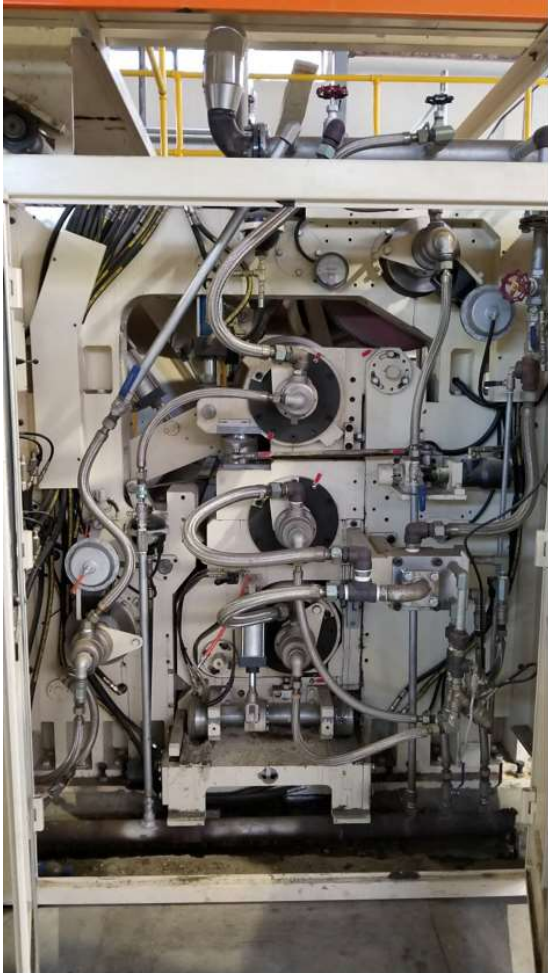
Start production in Jan,2019;

estimated 130,000.00m² per day;



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Case study 2---Towhid Carton



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Case studay 2----Towhid Carton



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Case study 2----Towhid Carton



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