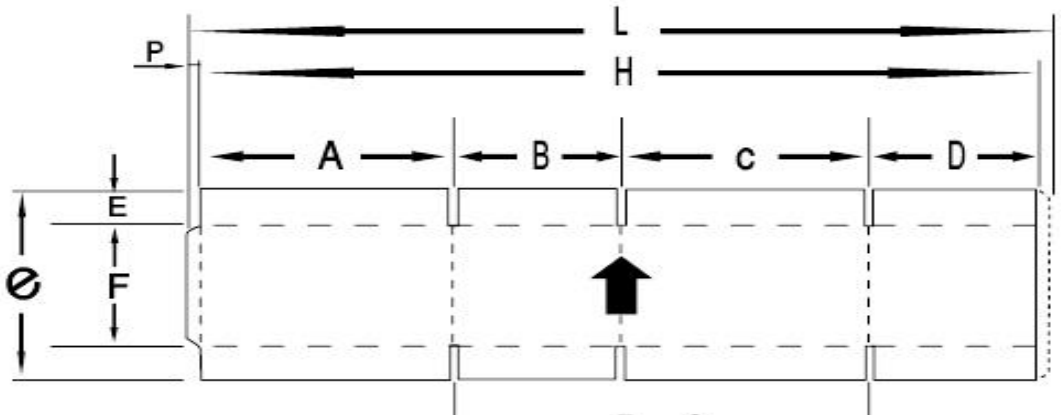
RYYKM-920

1. Automatic Flexo Folder Gluer With Full Computer Control
   Model: VOLANS-920DVFG One set
   380V AC3Φ 50HZ
   Effective Sheet Size : 900 mmx 2000 mm (e x L)
   Machinery Speed : 300 sheets/min
   Production Speed : 250 sheets/min
   Max. Sheet Size : 900 mm x 2000mm (e x L)
   Max. Size(Skip Feed) : 1200mm x 2000mm (e x L)
   Min. Sheet Size : 250mm x 600mm (Printer Slotter & DieCutter) (e x L)
   : 320mm x 600mm (Vacuum Transfer) (e x L)
   : 250mm x 1000mm (Inline Folder Gluer) (e x L)
   Max. Printing Area : 900mm x 1900mm (e x H)
   Max. Slotting Depth : 300mm (E)
   Min. Carton Size (A=C, B=D) : 140 x 140mm (Positive Knife)/ 220 x 70mm (Inverse knife) (optional) (A x B)
   : 250 mm x 250 mm (inline Folder Gluer) (A x B)
   Printing Registration : ±0.5mm
   Slotting Precision: ±1.0mm
   Diecutting Precision : ±1.2mm
   Folding Precision : ±1.5mm
   Flexo Plate Thickness : 7.0 mm
   Power Required : 116.5Kw
   Dimensions : 28646mm x 4340mm x 2800mm (Up to specific configuration)
   Machine Weights : 59800kgs (Up to specific configuration)
   Automatic Flexo Folder Gluer



Model: **VOLANS-920DVFG** / **RYYKM**
380V AC3Φ 50HZ
Configuration:
1. 4-SHAFT LEAD EDGE FEEDER WITH VACUUM TRANSFER ----------
2. PRINTING UNIT ----------
   Printer I: LPI Ceramic Anilox against Chamber system

Printer II: LPI Ceramic Anilox against Chamber system
Printer III: LPI Ceramic Anilox against Rubber Roller
Printer IV: LPI Ceramic Anilox against Rubber Roller
Top Printing with Vacuum Suction Transfer Included

3. SLOTTER & CREASER ----------
4. ROTARY DIECUTTER WITH SERVO COMPENSATOR ----------
5. Top Loading Counter & Ejector ----------
Valco glue system US$23,700.00
6. Auto strapping machine Transpack US$42,000.00
7. Scraper Remover

COMPUTERIZED CONTROL SYSTEM FOR WHOLE MACHINE

Shipment : Delivery within 150 days upon receipt of down payment
Payment : 30% of the total amount should be paid in cash as deposit upon receipt of the proforma invoice and 70% by TT before shipment after you test running in our factory.
Technical Service :1. Seller should test and run the machine before shipment.
:2. Seller should send TWO engineers to the Buyer' s factory to install the machine and Seller should send two technicians to the buyer's end as required to install the machinery.
train the workers of the Buyer. All expenses at the Buyer' s end, such as traffic, All the expenses at buyer's end, such as traveling and accommodation, shall be for the
accommodation, etc., should be for the Buyer' s account. BUYER' s account.
Warranty Period : One year.
Validity : 90 days from the quotation date.
Others : The specification and pricing subject to the final sales confirmation.

Technical Description:
(1). Lead Edge Feeder:
送纸部

1. Originally imported transmission box from American SUN AUTOMATION(Optional);

2. Fast adjustment, less maintenance, safe and easy operation;

3. Less jam in feeding;

4. Full advantage of work time, no waste of material boards;

5. 7.5Kw air blower, controlled by inverter, air pressure adjustable for different sizes and quality of boards;

6. Skip feeding for larger than the effective sizes of boards;

7. Taking the front edge as the datum, precision of feeding is guaranteed for whole set of machine;

8. Synchronized with the whole machine, smooth feeding is guaranteed;

9. Left & right side guides, front & back guides are all motorized, controlled by manual button or LCD HMI, by computer system;

10. Four shafts structure guarantees more smooth feeding;

11. Feeding stroke adjustable to suit for large paperboards;

12. Rubber Pull Roller take fedout paperboards into printer without damage onto cardboard' s quality;

13. Patened structure of Double Pull Roller, takes paperboards into structure tightly & steadily;

(2). Vacuum Dust Remover:

1. Two sets of brushes are equipped;

2. High-pressure sucker is equipped with pipes, to get rid of dust out of machine without any damage onto print;

(3). Printing Unit:

印刷部

1. Printing cylinder:

--- OD: Φ317.5 mm (counting in printing plate thickness);

---Motorized adjustment of phase clockwise or anticlockwise 360 degrees even in working;

---Material: FC30 cast Iron, processed by hardening, microgrinding and Chrome-plating;

---Motorized adjustment of axial position ±10.0mm;

---Registration resets automatically;

---Motorized inching for ease of plate amounting, controlled by foot panel below in each unit;

---Motorized adjustment of clearance between printing cylinder and impression cylinder;

2. Inking Roller:

---Ceramic Anilox Roller OD: ΦΦ193.49mm, LPI is customized;

---Material: S45C, laser -processed Ceramic layer plated outside;

---Pheumatic adjustment of Ceramic Anilox roller to printing Flexo plate, seperated automatically when machine stops;

---Micro adjustment of clearance between Ceramic Anilox roller and printing cylinder;

3. Ink Supply and Recycle System:

---Level sensor equipped, alarm rings and alarm lights glitter when ink unavailable;

---Convenient ink cleaning system;

---Enclosed chamber quipped to prevent ink leakage, and easier to clean after work;

4-1. Rubber Roller

---Steel roller wrapped with durable rubber, outer diameter Φ196.1 mm;

---Manual micro adjustment of clearance between Anilox & Rubber roller;

4-2. Sweden AkeBoose Enclosed Chamber System(Optional):

---Pheumatic pressurized ink supply;

---Enclosed chamber & two pieces of doctor blades guarantee even and stable ink metering;

---Pheumatic ink recycling system;

---Only 0.2N per 1 cm in the doctor blade can get perfect metering;

---Stable struture eliminates great wearing of Anilox roller and doctor blades;

---Double enclosed chambers and seal structure of doctor blades;

---Strip doctor blade, easy to change and maintain;

---Perfect integration of the enclosed chamber and Anilox roller;

---For high quality of printing and high efficiency;

---Whole set is originally imported from Sweden;

5-1. Pull roll transfer

---Consists of one–group pull rolls equipped with chrome-plated & harden treatment, upper collars Φ159.9 mm with shaftΦ100 mm and lower pull rollsΦ159.9mm between unit;

---Micro adjustment of clearance between upper and lower Pull rollers;

---Micro adjustment for axis position of Pull Collars by hand.

---Regulator with sector for lower pull roll;

---Quick offsetting of pull collars.

5-2. Vacuum Transfering System(Optional):

---Consists of one group of small wheels and strong vacuum suction air blower, sheets are transferred by wheels with help of bottom vacuum suction;

---Shin and low-quality paperboard can be easily transferred;

---Keep high registration of printing;

---Eliminate damage of surface of printed paperboard;

---Motorized adjustment of clearance between Wheel Table and printing cylinder;

---Strong air blower in each unit and wind piped out;

---Vacuum suction power adjustable according to different sizes of sheets;

6. Impression Roller

---Chrome and harden treatment, diameterΦ180.6 mm;

---Motorized adjustment of impression pressure, with LED display;

7. Others

---Motor for register adjustment (1/2Hp) with torsion of clutch brake;

---Motor for ink roll and metering roll idle running (1Hp), including 1 : 30 gear type speed reducer;

---Low-ink-level sensor;

---Operation and control panel.

(4). Slotter & Ceaser

开槽部

1. Motorized adjustment of phase 360 degrees, display by LED meter;
   ---Back & front knives adjusted at the meantime;
   ---Front knife resets automatically;
   ---Manual postioning of back knife for carton height;
2. Standard slotting knife:7.5mm wide, Slitting Knife 9.0mm wide;
3. Clearance of creasing wheels is adjustable for different sheets;
4. 5 sets of upper creasing wheels, OD: Φ317.52mm, mounted with PU rings, shaft OD: Φ150 .00mm;
5. 5 sets of lower creasing wheels, OD: Φ272.87mm, shaft OD: Φ150mm, Chrome-plated;
6. 1 set of upper and lower pulling wheels, Upper OD: Φ139 mm, lower OD: Φ139 mm;
7. One Pull Roller, Chrome-plated & hard treatment, one set of upper pull collars, Φ119.07mm with shaft Φ60.00mm, one lower pull collars, Φ119.07mm;
8. T- style Glue flap blade with thickness of 9.0 mm;
9. Motorized adjustment of axial postion of slotting knives and anvils, controlled by computer;
10. Gap between slotting knives adjustable;
11. 4 shafts structure;
12. Electromegenatic brake equipped for emergency;
13. Motorized inching for ease of knives change;
14. Others
    ---Four sets motors (1Hp) for blades adjustment;
    ---Slotting Knives adjustment motor 1Hp; Qty: 1pc
    ---Electro-magnetic clutch, 2.5kg-m, CD-J-2.5;
    ---Safety device for monitoring slotting and creasing knife position.

(5). Rotary DieCutter
模切部

1. Anvil Cylinder:

---Material: Cast Iron, OD: Φ270 mm;

---Anvil Specification thickness: 8.00mm, OD: Φ306.00mm, Width: 250.00mm, 9 pcs in total;

---Pheumatic adjustment of impression pressure apart from diecutter cylinder;

---Hydraulic adjustment of axial postion of anvil cylinder periodically;

---Automatic turner equipped when anvil covers get worn out;

2. Diecutter Cylinder:

---OD: Φ270.00mm (counting hight of diecutter mould out)

---Diecutter thickness: 25.4mm;

---14 divisions in a cycle, holes distance:50 mm, with holes in the middle;

---Motorized adjustment of phase clockwise or anticlockwise 360 degrees, even in working;

---Axially postioning ±10mm;

---Max applicable thickness of cardboard: 8mm;

(6). Inline Folder Gluer:

1. Gluing Unit:

---Motorized position of gluing unit, controlled by LCD display HMI;

---Wheel gluing system is standard, with American Valco Gluer(Optional);

---Wheels keep running even when machine stops;

2. Folding Unit:

---Motorized adjustment of folding beams;

---Folder Belts are driven by servo motors separately, operator can adjust the speed of different folder belts to improve the precision and eliminate to big tolerance to accept(Optional).

---Patended Servo Driven adjustors, seperately driven equipped in folder to improve the folding precision(Optional);

---Synchron-belt transmission system

---Tension of transmission belt controllable by cylinder;

---Guiding Rollers are equipped;

3. Top Loading Counter & Ejector (optional):

---Air blower equipped to press folded cartons down onto loading table;

---Mechanical front&back organizer, keeping padding the wet-glue cartons front and back continously to improve folding precision;

---Loading table width motorized adjustable to suit different width of cartons;

---Ejector driven by servo motor, with assitance of forks driven by cylinders, to load preset number of cartons in a pile, then continue to the next preset number of cartons, automatically and precisely

---Number of carton preset from 10 to 40 pcs of cartons;

---Height of preset-number of pile adjustable to suit different thickness of cartons;

3. Bottom Loading Counter & Ejector (Optional):

---Air blower equipped to press folded cartons down onto loading table;

---Mechanical front&back organizer, keeping padding the wet-glue cartons front and back continously to improve folding precision;

---Loading table width motorized adjustable to suit different width of cartons;

---Ejector driven by servo motor, with assitance of forks driven by cylinders, to load preset number of cartons in a pile, then continue to the next preset number of cartons, automatically&precisely;

---Number of carton preset from 10 to 40 pcs of cartons;

---Height of preset-number of pile adjustable to suit different thickness of cartons;

---Roller with belt assisted conveyor transfers preset pile of cartons out to strapper smoothly and steadily.

(7). Computerized control of the whole machine:

1. Feeding Unit

---5.7 inches LCD display HMI is equipped in feeding unit;
---Sheet size registering system;
---Left guide motorized, display and adjustment by LCD HMI;
---Right guide motorized, display and adjustment by LCD HMI;
---Back guide motorized, display and adjustment by LCD HMI;
---Speed adjustable by both LCD HMI and manual button;
---Product register, display and adjustment by LCD HMI;
---Feeding START/STOP control, machine lock-up;
---Units separating (Controllable by button);
---Main motor (controlled by inverter) is equipped with safety device;
---Single/continuous/skip feeding;
---Suction motor controlled by inverter;
---Order process program;

2. Printing Unit:

---Phase registering function;
---Motorized Units separating /lock-up;
---Metering rollers UP/DOWN is motorized manually and automatically;
---Ink detect system, ink absence alarm.

3. Slotter & creaser:

---10.4 inches LCD display HMI equipped;
---Knives motorized automatically according to carton sizes, display and adjustment by LCD HMI;
---Phases motorized, display and adjustment by LCD HMI;
---A knife motorized, display and adjustment by LCD HMI;
---B knife motorized, display and adjustment by LCD HMI;
---Middle knife motorized, display and adjustment by LCD HMI;
---C knife motorized, display and adjustment by LCD HMI;
---D knife motorized, display and adjustment by LCD HMI;
---Knives reset automatically;
---Phase registering system;
---Order processing program, max: 900 orders;

4. Rotary Die Cutting Unit

---MANUAL/AUTO/RESET three modes;

---Motorized adjustment of phase of diecutter cylinder, display by LED meter;

--- Phase register sys. Available

5. Inline Folder Gluer

---Gap between folding beams (B+C) motorized, display and adjustment by LCD HMI;

---Position of Glue Applicator motorized, display and adjustment by LCD HMI;

---Speed of each belt in Folder driven by servo motor, display and adjustment by LCD HMI;

---Width of Loading table (e) motorized, display and adjustment by LCD HMI;

---Speed of complete line adjustment and display by LCD HMI;

---Servo driven adjustor in folder speed adjustment and display by LCD HMI;

Machine Photos