

FUMA MACHINERY



FUMA continually moving forward with further innovations and technologies.....

Originally founded in 2002 making flutechangers and blades.....

With a group of dynamic and innovative team, the company entered into manufacturing of splicers in the year 2004. In 2007, it underwent a total re-organization, restructuring its headquarter in Shanghai. By the end of 2012, Fuma established itself as the world leader supplying splicers for the industry.

Research and development allows Fuma to develop more innovative products like intelligent steam system and a range of alignment equipment for the corrugator.

Ongoing cooperation in the industry allows Fuma to provide total solution for complete corrugator.

- Headquarter in Shanghai
- Main Manufacturing Centre in Shanghai
- Service and Parts Centre in Shanghai
- Main Manufacturing Centre in Kunshan
- Strategic Partner in Dongguan
- Service and Parts Centre in Zhuhai
- International Sales Office in Hong Kong
- Service Centre in Spain
- Service and Parts Centre in Belgium
- Service Centre in Poland
- Parts Centre in Mexico

Fuma will continue to develop more break through innovative products for the industry.



FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG.

Tel: (852) 2887 1020

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

HIP Series Splicer.....



A reliable splicer which give you excellent returns of investment

Key Features:

- 300mpm to 400mpm splicing capabilities
- Superior splicing reliability
- Digital tension control by PLC
- Ease splice preparation
- Integral electronics simplify maintenance
- Easy to install
- Minimum tension spike at splice
- Low grade paper splicing capabilities
- V Generation splice head design

High Performance

HIP Series Splicer.....



- **Ease of splice preparation**
Paper preparation on one side can be done within 35 seconds
- **V Generation Design**
Dual splice head with shortest splice cycle at 0.5ms and highest nip pressure at the splice joint.
- **Clamp bar for Holding Paper**
Using clamp bar simplifies the complexity of splice head design
- **Fuma Smooth[®] tension control**
Closed loop control system allows paper tension to be monitored and controlled at all times.

The BA splicer provides an excellent investment opportunity. The HV splicer quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Lost production from missed splices and web breakouts is reduced
- Board quality is improved with steady corrugators speeds.

Reduced Waste

- Long tails associated with manual splices are eliminated
- End of roll waste is dramatically reduced
- Stacker jam-ups from long tails are eliminated
- Hot plate waste during corrugators stops is reduced
- Flute fracturing is eliminated
- Web wrinkle is reduced
- Warp from poor tension control is eliminated



Digital Tension Control with Dual Tension Dampen System

Tension upset at splice is kept to minimum. A quick response closed loop control maintains and monitors the tension at all times during operation and splicing. This improves splice reliability for all roll sizes by avoiding breakouts due to web slack or jerking. Tension levels can be set for a variety of paper qualities. Low paper grade capability ensure excellent splice reliability when running low grade or low tensile strength paper.

Model	HV-300	HV-350	HV-400
Max Paper Splicing Speed (mpm)	300	350	400
Dancers	3	3	3
Low Paper Grade Capability	Yes	Yes	Yes
Zero Tail	Yes	Yes	Yes
Upgrading	No	No	No
Electrical Requirements (3Ø)	380v/50Hz	380v/50Hz	380v/50Hz
Air Consumption (kg/cm ²)	5.5	5.5	5.5
Gross Weight (kg)	3200	3500	3700
Max Brake Torque (Nm)	760	760	760
Paper Roll Diameter (mm)	300 to 1524		
Machine Width (mm)	1800 / 2200 / 2500/2800		



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

BA Series Splicer.....



A reliable splicer which give you excellent returns of investment

Key Features:

- 200mpm to 350mpm splicing capabilities
- Superior splicing reliability
- Digital tension control by PLC
- Ease splice preparation
- Integral electronics simplify maintenance
- Easy to install
- Minimum tension spike at splice
- Low grade paper splicing capabilities
- Pendu raise roll to equalize paper tension

High Performance

BA Series Splicer.....



- **Ease of splice preparation**
Paper Preparation on one side can be done within 35 seconds
- **Spacious Design**
With smooth paper passage through the splicer, 95% splice reliability can be achieved for paper with holes and tear edges of less than 100mm
- **Clamp bar for Holding Paper**
Using clamp bar simplifies the complexity of splice head design
- **Fuma Smooth® tension control**
Closed loop control system allows paper tension to be monitored and controlled at all times.

The BA splicer provides an excellent investment opportunity. The BA splicer quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Lost production from missed splices and web breakouts is reduced
- Board quality is improved with steady corrugators speeds.

Reduced Waste

- Long tails associated with manual splices are eliminated
- End of roll waste is dramatically reduced
- Stacker jam-ups from long tails are eliminated
- Hot plate waste during corrugators stops is reduced
- Flute fracturing is eliminated
- Web wrinkle is reduced
- Warp from poor tension control is eliminated



Model	BA-200	BA-300	BA-350
Max Paper Splicing Speed (mpm)	200	300	350
Dancers	2	3	3
Low Paper Grade Capability	Yes	Yes	Yes
Zero Tail	Yes	Yes	Yes
Upgrading	No	No	No
Electrical Requirements (3Ø)	380v/50Hz	380v/50Hz	380v/50Hz
Air Consumption (kg/cm ²)	5.5	5.5	5.5
Gross Weight (kg)	3200	3500	3700
Max Brake Torque (Nm)	760	760	760
Paper Roll Diameter (mm)	300 to 1524		
Machine Width (mm)	1800 / 2200 / 2500/2800		

Digital Tension Control with Dual Tension Dampen System

Tension upset at splice is kept to minimum. A quick response closed loop control maintains and monitors the tension at all times during operation and splicing. This improves splice reliability for all roll sizes by avoiding breakouts due to web slack or jerking. Tension levels can be set for a variety of paper qualities. Low paper grade capability ensure excellent splice reliability when running low grade or low tensile strength paper.



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG, KOWLOON, HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

MX Servo Series Splicer.....



A reliable splicer which give you excellent returns of investment

Key Features:

- 150mpm to 300mpm splicing capabilities
- Superior splicing reliability
- Digital tension control by PLC
- Ease splice preparation
- Integral electronics simplify maintenance
- Easy to install
- Minimum tension spike at splice
- Low grade paper splicing capabilities
- Touch screen for ease configuration

High Performance

MX Servo Series Splicer.....



- **Ease of splice preparation**
Paper Preparation on one side can be done within 35 seconds
- **Spacious Design**
With smooth paper passage through the splicer, 99% splice reliability can be achieved for paper with holes and tear edges of less than 100mm
- **Clamp bar for Holding Paper**
Using clamp bar simplifies the complexity of splice head design
- **Fuma Smooth[®] tension control**
Closed loop control system allows paper tension to be monitored and controlled at all times.

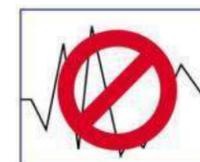
The MX Servo splicer provides an excellent investment opportunity. The MX Servo splicer quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Lost production from missed splices and web breakouts is reduced
- Board quality is improved with steady corrugators speeds.

Reduced Waste

- Long tails associated with manual splices are eliminated
- End of roll waste is dramatically reduced
- Stacker jam-ups from long tails are eliminated
- Hot plate waste during corrugators stops is reduced
- Flute fracturing is eliminated
- Web wrinkle is reduced
- Warp from poor tension control is eliminated



Digital Tension Control with Dual Tension Dampen System

Tension upset at splice is kept to minimum. A quick response closed loop control maintains and monitors the tension at all times during operation and splicing. This improves splice reliability for all roll sizes by avoiding breakouts due to web slack or jerking. Tension levels can be set for a variety of paper qualities. Low paper grade capability ensure excellent splice reliability when running low grade or low tensile strength paper.

Model	MX-150	MX-200	MX-250	MX-300
Max Splicing Paper Speed (mpm)	150	200	250	300
Dancers	2	2	3	3
Low Paper Grade Capability	Yes	Yes	Yes	Yes
Zero Tail	Yes	Yes	Yes	Yes
Upgrading	Yes	No	No	No
Electrical Requirements (3Ø)	380v/50Hz	380v/50Hz	380v/50Hz	380v/50Hz
Air Consumption (kg/cm ²)	5.5	5.5	5.5	5.5
Gross Weight (kg)	3200	3500	3800	3800
Max Brake Torque (Nm)	760	760	760	760
Paper Roll Diameter (mm)	300 to 1524			
Machine Width (mm)	1600/1800 / 2200 / 2500/2800			



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,

KWUN TONG, KOWLOON, HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

HV Servo Series Splicer.....



A reliable splicer which give you excellent returns of investment

Key Features:

- 250mpm and 350mpm splicing capabilities
- Superior splicing reliability
- Digital tension control by PLC
- Ease splice preparation
- Integral electronics simplify maintenance
- Easy to install
- Minimum tension spike at splice
- Low grade paper splicing capabilities
- Touch screen for ease configuration

High Performance

HV Servo Series Splicer.....



- **Ease of splice preparation**
Paper Preparation on one side can be done within 35 seconds
- **Spacious Design**
With smooth paper passage through the splicer, 99% splice reliability can be achieved for paper with holes and tear edges of less than 100mm
- **Clamp bar for Holding Paper**
Using clamp bar simplifies the complexity of splice head design
- **Fuma Smooth[®] tension control**
Closed loop control system allows paper tension to be monitored and controlled at all times.

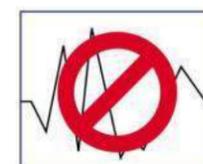
The HV Servo splicer provides an excellent investment opportunity. The HV Servo splicer quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Lost production from missed splices and web breakouts is reduced
- Board quality is improved with steady corrugators speeds.

Reduced Waste

- Long tails associated with manual splices are eliminated
- End of roll waste is dramatically reduced
- Stacker jam-ups from long tails are eliminated
- Hot plate waste during corrugators stops is reduced
- Flute fracturing is eliminated
- Web wrinkle is reduced
- Warp from poor tension control is eliminated



Digital Tension Control with Dual Tension Dampen System

Tension upset at splice is kept to minimum. A quick response closed loop control maintains and monitors the tension at all times during operation and splicing. This improves splice reliability for all roll sizes by avoiding breakouts due to web slack or jerking. Tension levels can be set for a variety of paper qualities. Low paper grade capability ensure excellent splice reliability when running low grade or low tensile strength paper.

Model	HV-250	HV-350
Max Splicing (mpm)	250	350
Dancers	2	3
Low Paper Grade Capability	Yes	Yes
Zero Tail	Yes	Yes
Upgrading	No	No
Electrical Requirements (3Ø)	380v/50Hz	380v/50Hz
Air Consumption (kg/cm ²)	5.5	5.5
Gross Weight (kg)	3500	3800
Max Brake Torque (Nm)	760	760
Paper Roll Diameter (mm)	300 to 1524	
Machine Width (mm)	1800 / 2200 / 2500/2800	



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

WAM Web Guiding System.....



A reliable web guiding which give you excellent returns of investment

Key Features:

- Ensure continuous production
- Reduction of waste during width and paper grade changes
- Stable tension control
- No damage on the side of the webs
- Reduction of warps
- Increase production speed
- High precision sensor and steering device
- Automatic closed loop
- 4 rolls compact structure

High Performance

WAM Web Guiding System.....



Precise Steering Control Features

With the feedback from web band sensor, the steering device will accurately steer the single face to align with the bottom liner (master) either align in accordance of the centerline or edge.



Digital Tension Control Features

A quick response closed loop control maintains and monitors the tension at all times to control constant tension for all operating speeds. This allows continuous production for all width by avoiding breakouts due to web slack or jerking. Tension levels can be set for a variety of paper qualities.

The WAM provides an excellent investment opportunity. The WAM quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Reduction of waste and better board qualities.



Technical Data :

- Scanning Web Band Sensor
- Sensor Resolution : ±1mm
- Guiding Accuracy : ±2mm
- Guiding Mode: Centerline /edge
- Applicable Machine Speed : Max 400 mpm
- Supply Voltage : 220 VAC/50 Hz
- Max Power Consumption : 1 kW
- Control Mode: Digital Control System
- Camera Sensor : On Request
- Web Width Min/ Max : 500mm/1600mm
800mm/1900mm
1100mm/2200mm
1400mm/2500mm
Other width on request



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG
Fax: (852) 2887 1099 Email: sales@fumamac.com

High Performance

SFG Single Facer Guiding System.....



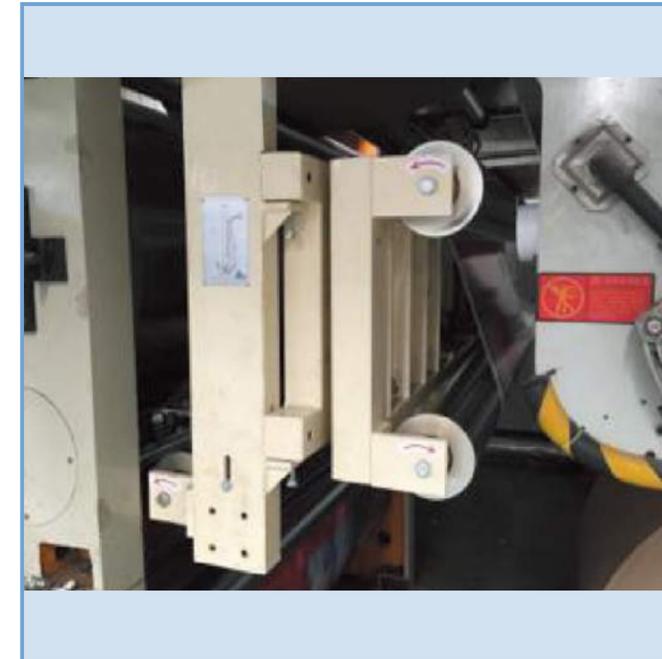
A reliable web guiding which give you excellent returns of investment

Key Features:

- Minimum trim
- No production risk
- No manual interference
- Automatic glue dam tracking of the web position (optional)
- No spilling of glue onto the corrugator roll
- Reduce downtime
- Medium and liner are always aligned
- Alignment accuracy within 1mm

High Performance

SFG Single Facer Guiding System.....



Precise Guiding Frame Features

The system ensures exact alignment of medium and liner into the single facer. The integrated web guide frame with high responsive proportional control aligns either both webs to a fixed point. Fixed mounted wide band sensor allow continuous web alignment without interruption of the web control function even during web width changes.

The SFG provides an excellent investment opportunity. The SFG quickly pays for itself in waste savings and productivity improvement on all types of corrugators.

Improved Productivity

- Average corrugators running speed is increased
- Reduction of waste and better board qualities

Technical Data :

- Scanning Web Band Sensor
- Sensor Resolution : ± 1 mm
- Guiding Accuracy : ± 1 mm
- Guiding Mode: Centerline /edge
- Applicable Machine Speed : Max 400 mpm
- Supply Voltage : 220 VAC/50 Hz
- Max Power Consumption : 1 kW
- Control Mode: Digital Control System



Tel: (852) 2887 1020

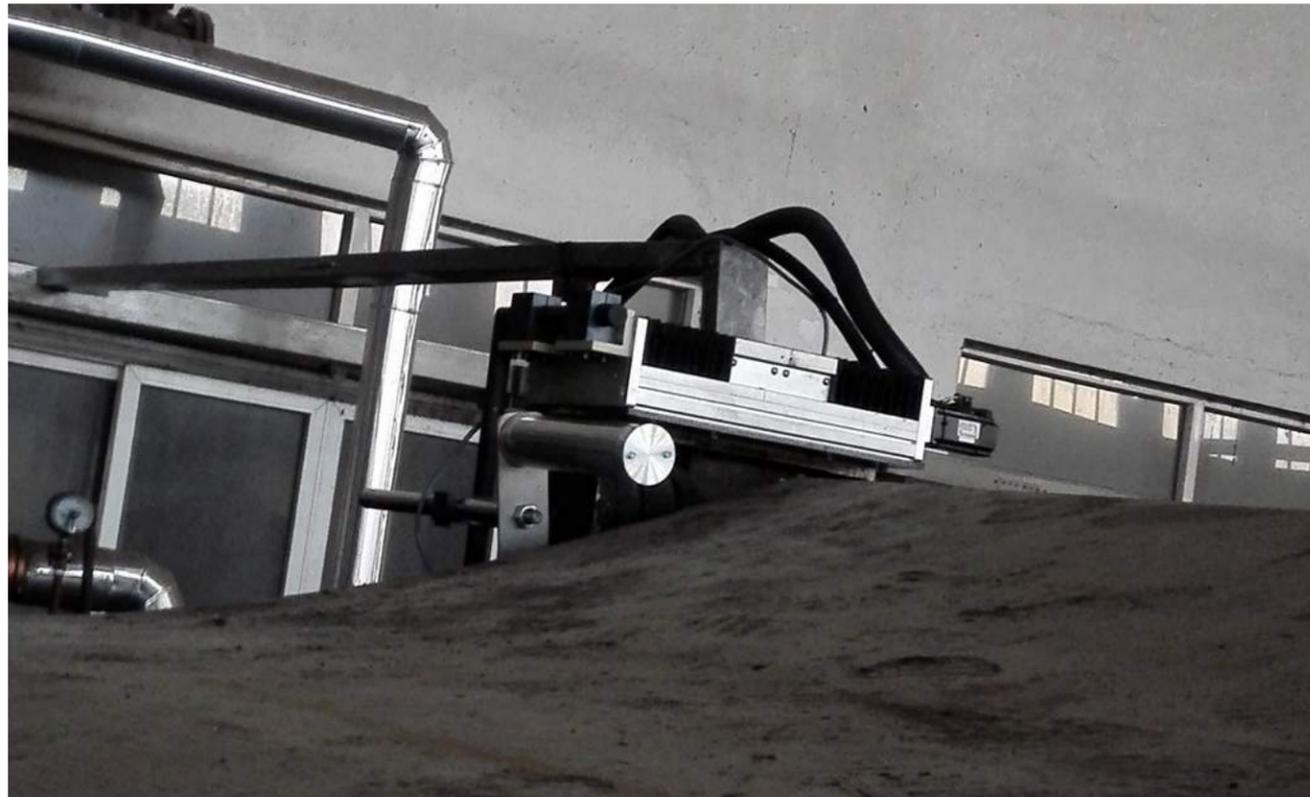
FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG
Fax: (852) 2887 1099 Email: sales@fumamac.com

High Performance

CBG Belt Guiding System.....



A reliable guiding device which give you excellent returns of investment

Key Features:

- Ensure smooth belt operation
- Increased belt life
- No contact with the belt by using infrared sensor
- Reduce skewing of the web
- Correction of the belt in real-time without delay
- Reduces waste
- Reduce lateral forces to the scoring tools and slit blades
- Protection of the belt structure

High Performance

CBG Belt Guiding System.....

Corrugated belt which are not probably align will cause web skewing, thereby creating unequal trimming, wastage and laterally force onto the score tooling and slit blades.

Non-contact infrared sensor continuously determine the position of the belt and the servomotor adjust the idler roll so that the belt is constantly guided to its set center position.



The CPG provides an excellent investment opportunity. The CPG quickly pays for itself in belt saving and productivity improvement on all types of corrugators.

Technical Data			
Machine speed:	12 - 450 m/min	Edge sensor:	Digital infrared sensor
Guiding Accuracy:	±3 mm	Measuring range:	±150 mm
Roller stroke:	±60 mm	Electrical connection:	24V DC
Dimension:	According to drawing	Protection class:	IP 65
Correction speed:	10 mm / sec	Power consumption:	0.4 kW



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG
Fax: (852) 2887 1099 Email: sales@fumamac.com

High Performance

TSS Trim Saver System.....



A reliable guiding device which give you excellent returns of investment

Key Features:

- Rapid Web Width Changes
- Reduction of waste during width and paper grade changes
- Smallest Possible Trim
- Stabilize board and avoid tailout skewing when order change
- High precision sensor and accurate steering device
- Automatic closed loop

High Performance

TSS Trim Saver System.....

TSS allows reduction of edge trim to a minimum. TSS has a stable and continuous control that will automatically steer the slitter/scorer laterally in real-time position to achieve the smallest possible trim.

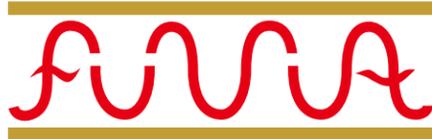
The position of the web is detected and recorded by a quick respond sensor whose accuracy is $\pm 1\text{mm}$

Camera sensor version is optional for looking slit to line when running preprint



The TSS provides an excellent investment opportunity. The TSS quickly pays for itself in trim savings and productivity improvement on all types of corrugators.

Technical Data	
Total Weight : 1000 kg	Working Width min/max : 760 mm/ 2840mm
System Accuracy : $\pm 1\text{mm}$	Operating Voltage : 400V/50 Hz/3 ϕ
Protection : IP54	230 V/50 Hz/1 ϕ
Ambient Temperature : +5 $^{\circ}$ ~ max 40 $^{\circ}$ C	Power Consumption Max : 3.5kW
Air Humidity : 20% ~ 85% (No condensate water)	Current Consumption Max: 9.2 A
Compressed Air : 4 ~ 6 bar	Control Voltage : 24 VDC
Camera Sensor : Optional on request (for preprint)	



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

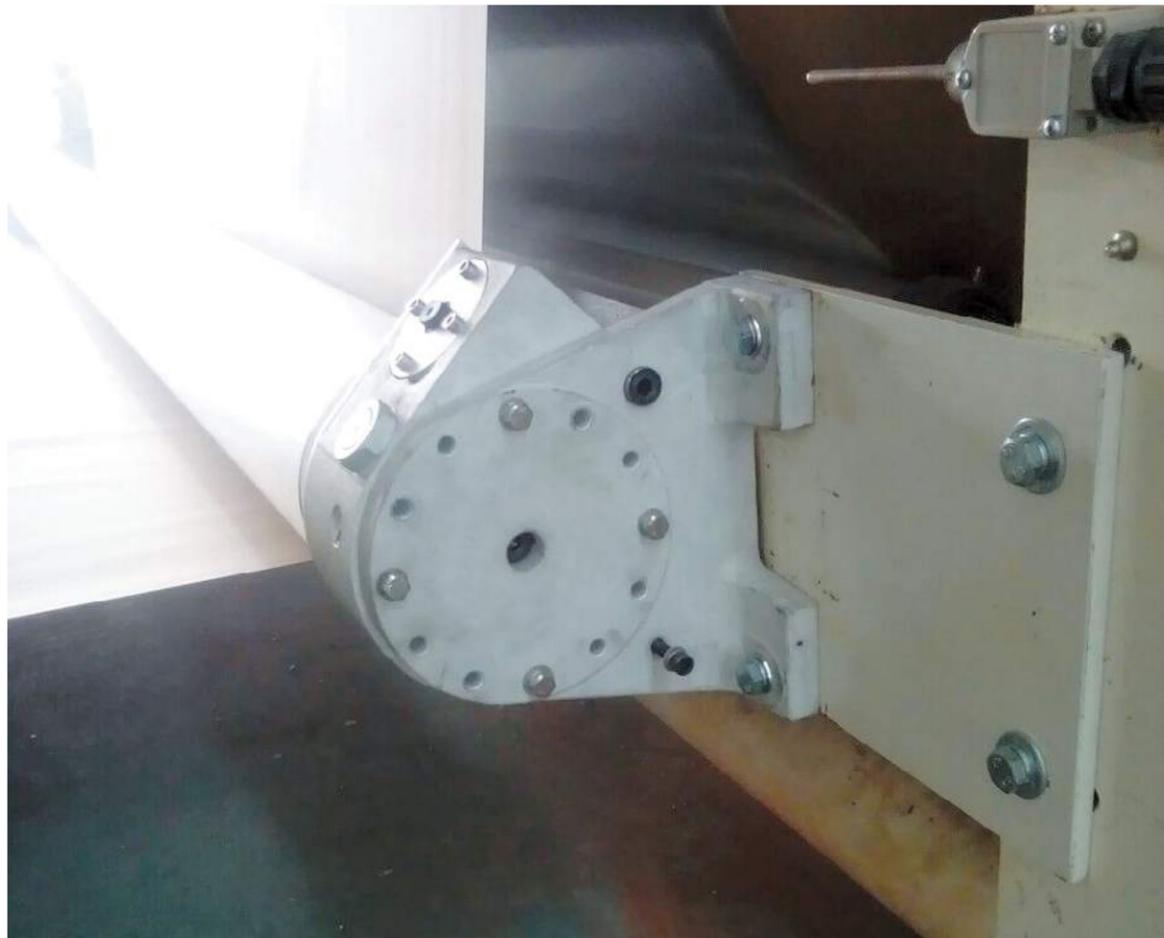
ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

MZR Compensation Roll



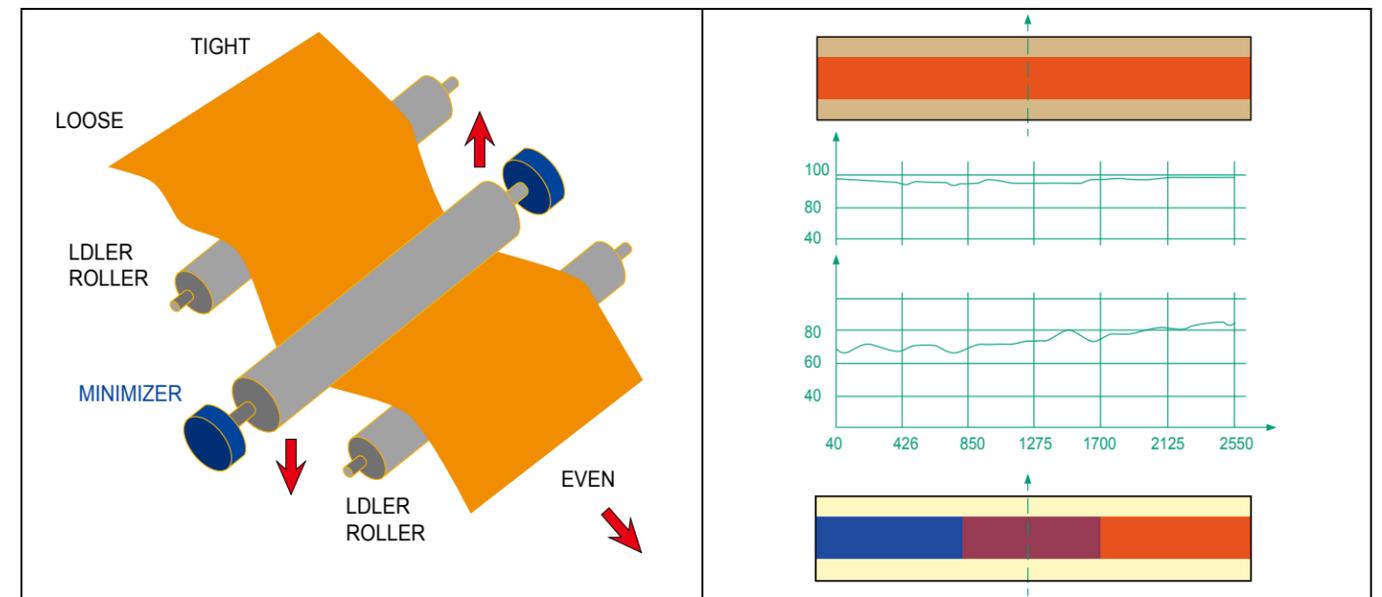
A reliable system which give you excellent returns of investment

Key Features:

- Minimizes waste
- Minimizes High/Lows
- Reduces Downtime
- Reduces Maintenance
- Reduces Warp
- Easy to install
- Reduces Web Breakouts

High Performance

MZR Compensation Roll



Improve Production and Board Qualities

- With even tension on both sides of the paper, stress points at the edges are drastically reduced. Even with the use of automatic splicers, with this tension roll, you could splice in paper rolls which have loose edges and it would quickly adjust to the tension requirements of the new paper roll to prevent the stresses from breaking the web.
- By installing this roll near the preconditioners/preheaters, it ensures even paper web tension prior to contact with the heating surface. With even heating of the paper before it is passed into the singlefacer, this ensures that warp due to uneven heating or uneven tension is drastically reduced.
- By having an even-tensioned paper web passed into the singlefacer, flute formation will be more uniform. Due to this, there will be uniform glue application to the tips of the fluting and you could achieve better quality board which are flatter.
- The design of this roll is virtually maintenance free, with no need for constant re-adjustments or complicated part replacements. It's purely mechanical design allows for minimum wear and tear.
- With less waste due to warp and fewer web breakages due to uneven tension, most corrugators can expect to see an improvement in the overall machine productivity.



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

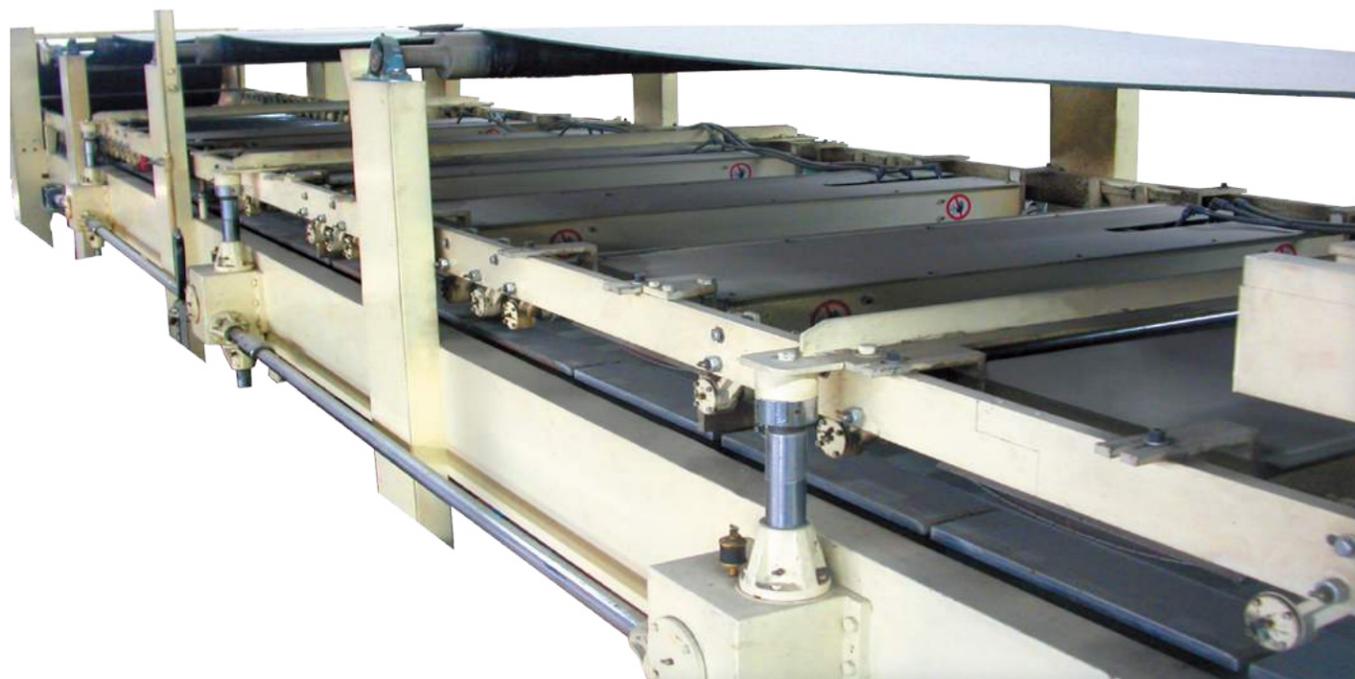
富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG

Fax: (852) 2887 1099 Email: sales@fumamac.com

High Performance

Air Bags System for Double facer.....



A reliable system which give you excellent returns of investment

Key Features:

- Larger board contact area with hot plates
- Lower glue consumption
- Easy to upgrade on existing system
- Better board qualities
- Automatic adjustment for different speeds and width
- Much lesser contact pressure on the board as compare to weight rollers
- Increase in production speeds
- Easy to install

High Performance

Air Bags System for Double facer.....

Improve Board Qualities

- With much less contact pressure on the board, it would not damage or flatten the flute tips. This allows board to have better ECT, BCT
- With larger surface area contact of the board and hot plates thus allowing even temperature across the board
- Moisture is much easier to dissipate and allow flatter boards to be produced

Improve Productivity

- Higher production speeds for heavy board, doublewall and triplewall production
- Automatic adjustment of pressure inside the airbags for different paper grades, width and operating speeds
- User friendly, less operators interference and errors





Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG

Fax: (852) 2887 1099

Email: sales@fumamac.com

High Performance

Thin Plates with Steam Injection.....



High heat transfer which gives you excellent returns of investment

Key Features:

- Thin plates with winding tube type steam path for better heat conduction
- No condensate inside the hot plates
- 20% better heat transfer as compare to traditional thick hot plates
- Steam injection allows better bonding
- Increase production speed
- Less contact pressure
- Better board qualities
- Easy to install

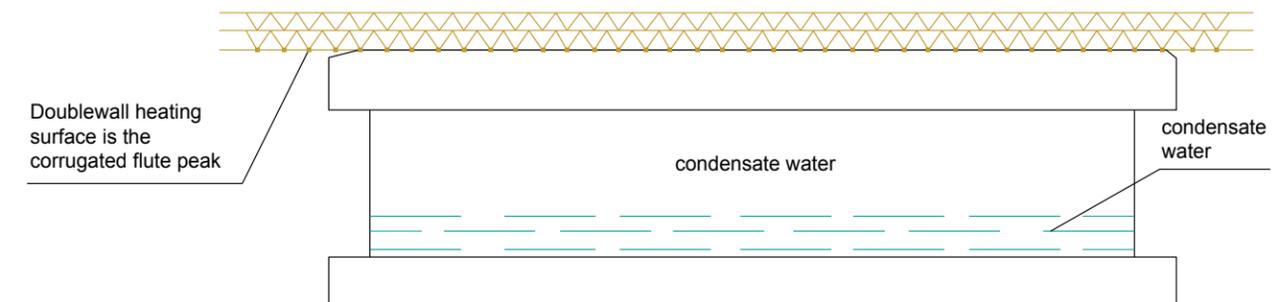
High Performance

Thin Plates with Steam Injection.....



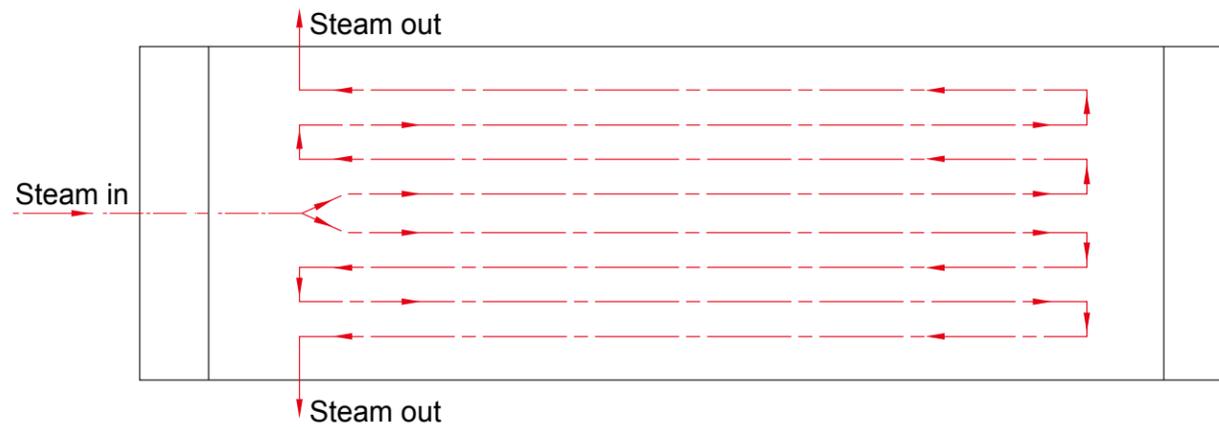
Improved design with tube winding steam path thin hot plate with direct steam injection system greatly enhance the efficiency of the double facer. This concept makes better bonding as compared to the traditional thick box type hot plates system.

Better Heat Transfer



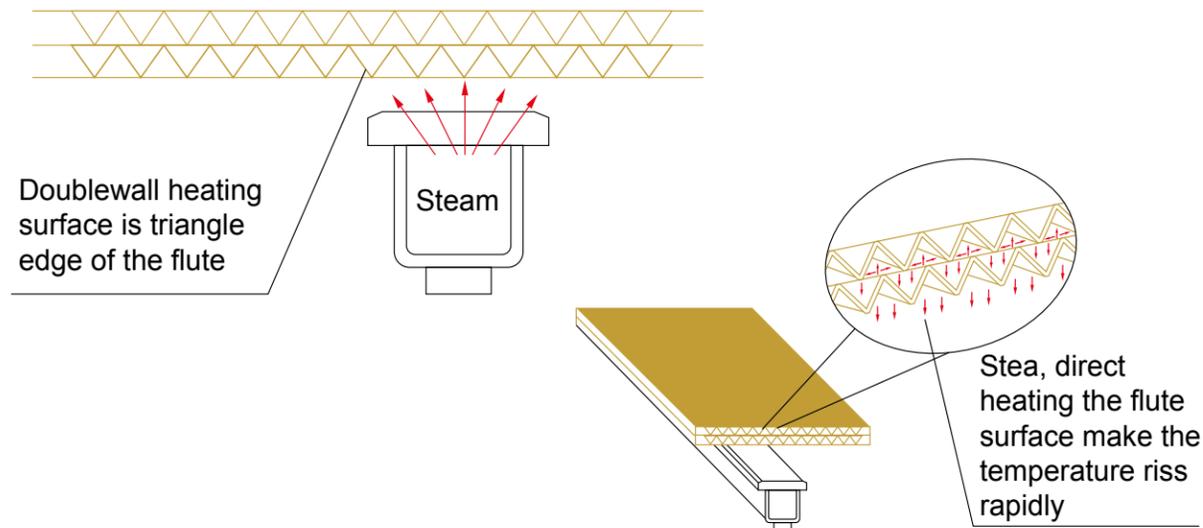
- Traditional box type hot plates tend to have condensate trap inside. This greatly reduce the heat transfer.
- Traditional box type hot plates require higher contact pressure for the board to fully contact with the hot plates surface.
- It takes longer time to heat up heavy grammage boards.

High Performance *Thin Plates with Steam Injection.....*



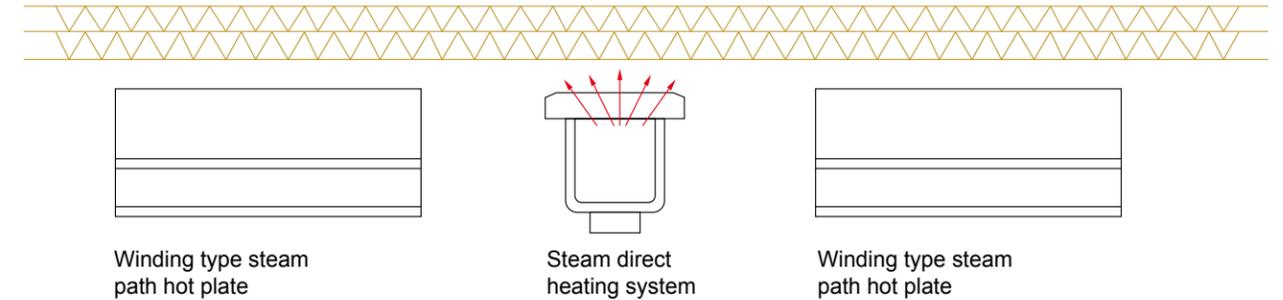
- The winding tube type thin hot plates allow fast steam flow, better heat transfer and will not produce condensate.
- 20% better heat transfer than traditional box type hot plates.

Steam Injection System



- Reduces contact pressures thereby increase board qualities like BCT, ECT, etc.
- Increase production speeds
- Reduces tension and hence less board warpage

High Performance *Thin Plates with Steam Injection.....*



Combined using of tube winding thin hot plate with steam injection system from Fuma.

Tube Winding Thin Hot Plates	Specifications
1800 mm	1920 mm x 600 mm x 180 mm 1920 mm x 700 mm x 180 mm
2200mm	2320 mm x 600 mm x 180 mm 2320 mm x 700 mm x 180 mm
2500mm	2620 mm x 700 mm x 180 mm 2620 mm x 700 mm x 180 mm
2800mm	On Request
Steam Injection System	
1800 mm	1920 mm x 400 mm x 180 mm
2200mm	2320 mm x 400 mm x 180 mm
2500mm	2620 mm x 400 mm x 180 mm
2800mm	On Request



Tel: (852) 2887 1020

FUMA MACHINERY LIMITED

富迈机械有限公司

ROOM 7,11/F,HEWLETT CENTRE,52-54 HOI YUEN ROAD,
KWUN TONG,KOWLOON,HONG KONG
Fax: (852) 2887 1099 Email: sales@fumamac.com

Steam System

With Intelligent Control for Great Savings

Steam System

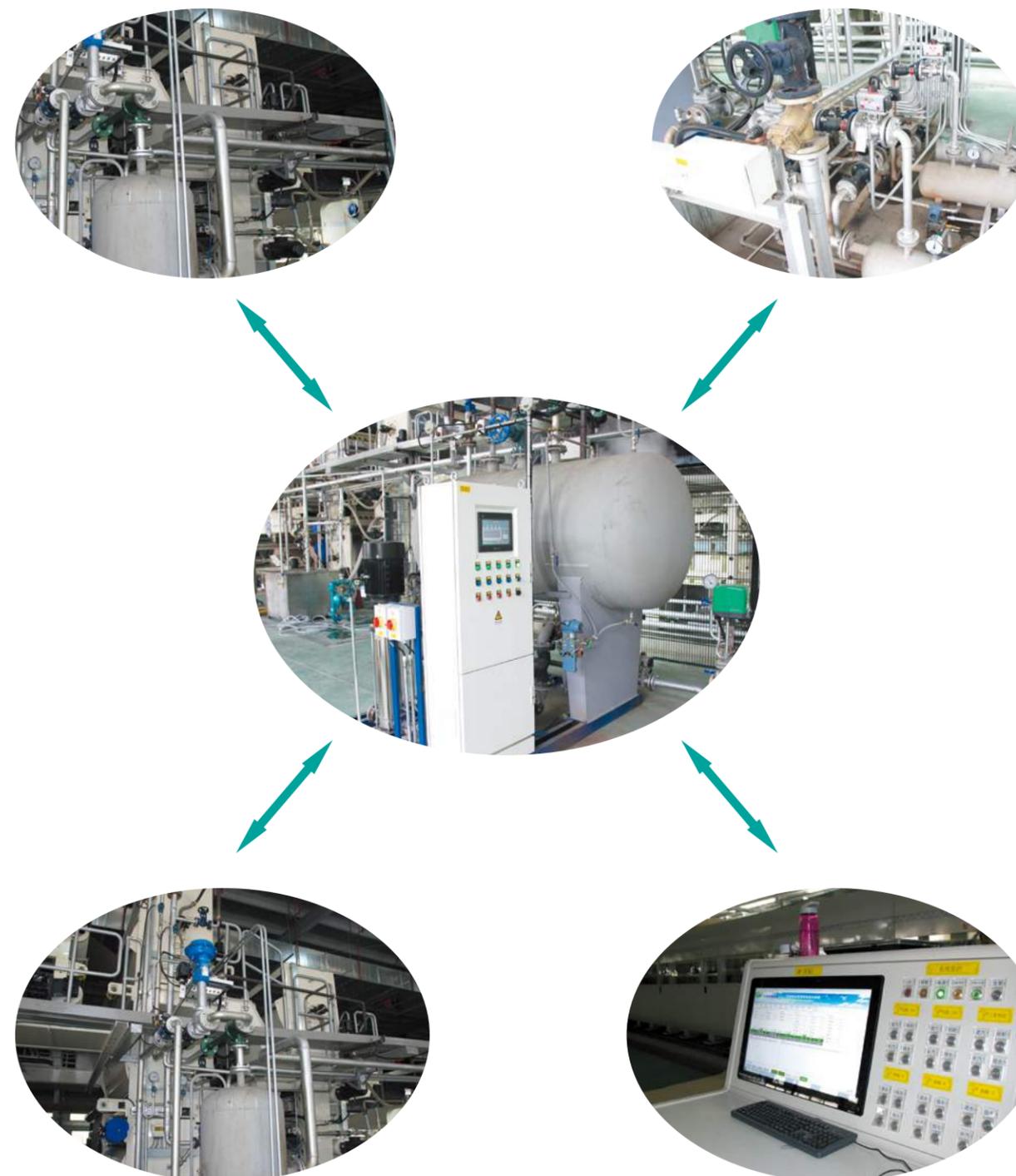
With Intelligent Control for Great Savings



Great energy savings which give you excellent returns of investment

Key Features:

- Closed loop steam recycling system
- Low operating back pressure
- Great energy savings up to 15~25%
- Ability to control every steam pressure inlet point
- Better board qualities
- Ability to interface with production or process control system



Steam System

With Intelligent Control for Great Savings

Main Condensate Intelligent Return Tank

- Complete recycling and utilization of low pressure steam energy
- Smooth flow of condensate return is possible due to very low back pressure is achievable
- Effective utilization of flash steam with constant pressure control

Single Facer Steam Control System

- Optimal temperature balance control for liner and medium
- Optimal automatic pressure selection control for different paper grades and operating speeds
- Effective utilization of flash steam
- Data communication and interface with main condensate intelligent return tank

Double Facer Steam Control System

- Double facer is divided into 3 ~4 section of hot plates pressure control
- Optimal automatic pressure selection for each section for different paper grades
- Effective utilization of flash steam
- Better board qualities are achievable
- Data communication and interface with main condensate intelligent return tank

Triple Heater Steam Control System

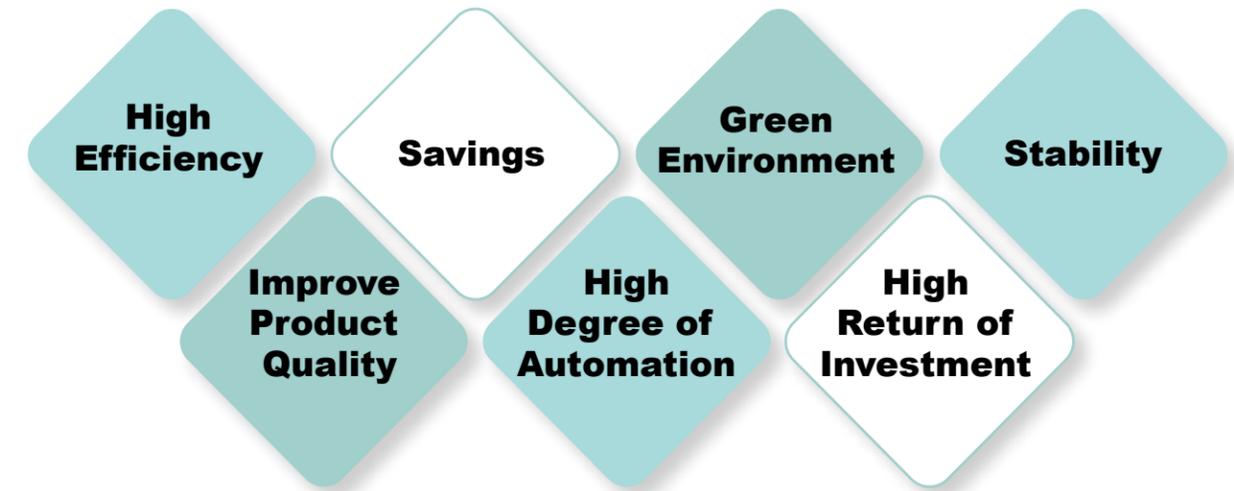
- Complete recycling and utilization of low pressure steam energy
- Optimal automatic pressure selection control
- Effective utilization of flash steam
- Data communication and interface with main condensate intelligent return tank

Human Machine Interface

- Ability to interface with production control and process control system
- Ability to select optimal pressure parameters for different paper grades
- High database with constantly monitoring and saving of operating conditions for various operating speeds, paper grades, condensate level, temperature and pressure parameters. Intelligently compares and updates the system and selecting the best parameters for operation

Steam System

With Intelligent Control for Great Savings



Electrical panels are in accordance to CE standards

■ All wires were labelled for easy maintenance



■ Individual noise transducer is used to prevent signals interference

