



Miza company for Import and Export.

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مستقبل خريفة ميرة ليبيا - طرابلس - رقم الهاتف: 01_091733319 - رقم الهاتف: 02_0913103162 - رقم الهاتف: 03_0923103162

Address: Al-Masira Al-Kubra Street / Opposite Al-Jumhouria Bank - Tripoli (Libya)

العنوان: شارع المصيرة الكبرى / مقابل مصرف الجمهورية - طرابلس (ليبيا)

Surface layer, absorption layer, back sheet compound and compaction

表层，吸收芯体和底膜的复合和压实

Arc cut/ shape cut unit ، 弧切单元

Wastage separation and wastage collector 剔废与收集

Traction and Convey 牵引和传送

Longitudinal folding 纵向折叠

The diaper, once shaped, goes through a longitudinal folding unit.

尿布成型后进入纵向折叠的过程

Press by cylinder, traction unit 靠气缸压实和牵引的过程

Final cut unit, adopt the gimbal drive 最后分切过程，采用万向节驱动

1st reject , manual reject 第一次剔废，手动剔除

The diaper transverse folding 尿布横向折叠

Trip-folding product after two folding go through the trip-folding unit, 两折后进行第三折

2nd reject, auto rejecting auto reject by cylinder and air blower

第二次剔废，靠气缸和鼓风机自动剔除

Final product convey unit (when maintain the Stacker) 产品输送过程（保留在堆垛机）

The folding station includes a series of belts, specially configured, that drive the products to two sets of folding rotating cams, individually controlled by motorised phasers.

折叠部分包括一系列输送带和特殊配置，将产品驱动到两组可折叠的旋转凸轮，靠电动相位分别控制。

Finally, two belts equipped with a series of rolls and pressed by a pneumatic system, fix the folded diaper and feeds it out to the stacker.

最后，两个输送带配备一系列辊子，由气动系统压实，固定折叠好的尿布，输送到堆垛机。

This section is designed in order to either bi-fold or tri-fold the diaper according to the product specifications.

本单元的设计，是为了能够根据产品规格进行两折或三折。



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Three. Electrical System 电气系统

1. Detection system: 检测系统

- 1) Main raw materials spliced jointer auto detecting and rejecting
主要原材料接料，自动检测并剔除
- 2) Auto sound and lamp alarming at main raw materials breaking.
主要原材料断料后自动报警
- 3) All sensors racks are easy to be adjusted 所有的传感器机架易于调整

2. Transmission control: 变速器控制

- 1) Soft start up function, Single button start up in sequence, so as to reduce power impact
软启动功能，按顺序单按钮启动，从而降低电源的冲击
- 2) Main line speed is controlled by servo motor
主线速度由伺服电机控制
- 3) Machine starting only after fans starting and hot melt applicators ready and enough air pressure, this protection can be shielded for testing.
机器只有在风扇开始运转和涂胶设备准备好，有足够的空气压力才运行，这种保护可以屏蔽测试。

3. Unwinding & splicing: 放卷和接料

- 1) Servo motor unwinding with constant tension control and auto splicing for following reels: hydrophobic NW, ADL, hydrophilic NW, upper tissue paper, lower tissue paper, back sheet, waistband
伺服电机放卷，能够恒张力控制、自动接料，包含以下的卷轴：无纺布、ADL、亲水无纺布、上卫生纸、下卫生纸、底膜和弹性腰围
- 2) Stable unwinding at high & low speed, it also serves manual operation
在高速和低速能够稳定放卷，可提供手动操作
- 3) With reasonable and durable pneumatic reels 配有合理耐用的气动卷
- 4) Diameter of raw material can be adjusted accuracy at splicing to save the raw materials costs
原料直径可在接料时调整精度，节省原材料成本



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4. HMI(Human interface) 人机界面

- 1) The screen is deployed in the middle of the machine with English & Chinese version
屏幕安装在机器的中间，有英文和中文版本
- 2) The screen will display the words to show where is the problem, when the raw materials breaking, splicing, and fans and pumps trip
当出现原材料断料，接料，风扇与泵的轨迹的问题时，屏幕会显示
- 3) Parameters of reject positions and quantity can be set on screen
屏幕上可设置剔除位置和数量的参数
- 4) Machine speed, shift amount, reject amounts and total output to be displayed
可显示机器的速度、偏移量、剔除量和总输出量

5. Feeding control: 进料控制

- 1) Fluff feeding is controlled by Servo motor, its amount can be set on screen
木浆进料由伺服控制，屏幕上可设置其数量
- 2) SAP feeding is controlled by Servo motor continuously, its quantity can be set on screen, with restricted level alarm system and auto SAP supplier
SAP 进料由伺服电机持续控制，屏幕上可设置其数量，有限制级报警系统和自动 SAP 供应
- 3) actively unwinding, the elastic tension degree can be set on the touch screen directly
主动放卷，可直接在触摸屏上设置弹性张力度

6 . Heating system: 供热系统

- 1) Temperature of rotary parts is controlled by thermo couples sensor and temperature controller
旋转部件的温度由热电偶传感器和温度控制器控制
- 2) Superior quality of thermo tubes are applied for heating rotary parts
优质加热管应用加热旋转部件
- 3) Power inlet and temperature signal can be finished by mercury conducting ring
通过水银导电环可以完成电源接入和温度信号
- 4) All thermo parts are pressed by cylinder and auto lift at machine stopping and auto reset at machine running, also with manual control
所有的热部件都能靠气缸按压，机器停止时自动提升，机器运行时自动复位，可手动控制



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7. Safety unit: 安全装置

- All emergency stop buttons and safety lines are laid reasonably and trimly
布置合理、整洁的紧急停止按钮和安全线
- Up&down speed device and alarm device are equipped several place,easy for operation
在不同位置按照加减速度装置和报警装置，操作方便
- With safety cover at the entrance of each cutter 在每个刀具的入口处都有安全盖
- Safety Line be installed in the front and back of machine 机器前后配有安全绳

Air duct & Air passage 空气管和空气通道

- 1) Vacuum & Forming drum unit in the production process, equip with blast blower, negative pressure air blowers, the dust collection required pipeline, but the dust collection device equipped by the customer.
生产过程中有真空成型鼓装置，配备鼓风机，负压风机，管道除尘装置，除尘装置可供客户选择。
- 2) Air duct in the top of the machine which made by iron sheet tube, surface with spray treatment to reduce the production of static electricity. High pressure air blower unified air supply, pressure is adjustable
空气管在机器的顶部，用铁皮管制成，表面用喷淋处理，以减少静电的产生。高压风机统一送风，压力可调。
- 3) Air pipe in the top of machine, centralized transportation by pipe, to connect the air pipe branch at the nearest place, the pipe is tidy.
机器上方的空气管，通过管道集中运输，在就近的地方连接空气管，管道整齐。
- 4) Main pipe equipped with reducing valve and water oil separator 主管道有减压阀和油水分离器。
- 5) Ensure the air supply is even and enough 配有空气罐，以确保足够的空气供应。
- 6) Maintenance Light in the bear of machine 为了机器的维护，维修灯。



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FOUR. Main Parts Suppliers:

Items 项目	Brand 品牌	Origin 原产地
PLC	Mitsubishi三菱	Japan 日本
10.5 inches Touch-screen 10.5英寸触摸屏	Mitsubishi三菱	Japan 日本
Servo Motor 伺服电机	Mitsubishi三菱	Japan 日本
Servo 伺服器	Danfoss 丹佛斯	Danmark 丹麦
Photo-electric switch of material detecting 原材料视觉检测器	Sunx 神视	Japan 日本
Photo-electric switch of joint detecting 原材料接头视觉检测器	Sunx 神视	Japan 日本
Temperature controller 温度控制器	Omron欧姆龙	Japan 日本
Low-voltage electrics 低压电气	Omron欧姆龙	Japan 日本
Solid relay 固态继电器	Omron欧姆龙	Japan 日本
Mercury Electric-Rings 水银滑环	MERCOTAC 莫泰克	USA 美国
Photo-electric sensor 光电传感器	Sunx神视	Japan 日本
Rotary coder 旋转编码器	Omron欧姆龙	Japan 日本
Pneumatic units 气动装置	SMC 精工	Japan 日本
Electric-heat units 电热装置	Xinyi	Taiwan 台湾
Key bearings 关键轴承	NSK	Japan 日本
Timing belt 同步带	Tigerpower泰格威尔	Italy 意大利
Conveyer belt 平皮带	Habsit哈伯西	Switzerland 瑞士
Arc-cutting Roll 弧形切刀辊	W6	Switzerland 瑞士
Auto Web Guide controller 纠偏器	Like	Taiwan 中国台湾

FIVE. Spare Parts List

Items 项目	Quantity 数量	Items 项目	Quantity 数量
Toolkits 工具箱	1set	AC connector 交流接触器	4 PCS
Cutting Blades 刀片	Complete (ADL, core, Side tape, Waistband, S-cut, final cut) 1 pcs ADL, 棉芯, 左右贴, 弹力腰围, S切, 终切 一套	Electrothermal tube 电热管	2 PCS
Button 按钮	8 PCS	Emergency stop switch 急停	4 PCS
Nylon belt 网带	2 strips	Convey belt 传送带	2 PCS



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SIX. Files along with machine: 机器操作

- 1 Machine flow chart(English&Chinese) 机器流程图 (英文&中文)
2. Installation ichnography drawing(English&Chinese) 安装平面图 (英文&中文)
3. Easy-worn parts lists(English&Chinese) 易磨损部件表 (英文&中文)

SEVEN. After- Sales Service, Installation and training 售后服务, 安装, 培训

- The Seller shall be responsible to provide two technician to the buyer ' s factory to help the buyer for Installation of the machines on their arrivals, to give full instruction for installations and operations so that the buyer can install the machines and operate for test run properly .

卖方应负责向买方工厂提供两个技术人员, 以帮助买方安装机器, 为安装和操作提供充分的说明, 使买方可以安装机器和操作正确的测试运行

- The Buyer will inform the Seller the suitable date when the seller can send his technician after the machine arrive in the buyer's factory. In this case, all the expense for the technician including accommodations during his stay will be borne by the Buyer. The seller will pay the round trip tick for engineer. The seller pay salary for the technicians; the buyer should bear the concerning salary with USD\$100 person/day.

买方将通知卖方在机器到达买方工厂后, 卖方可以在合适的日期派遣技术人员到买方工厂。所有工程师的食宿费用将由买方承担。卖方支付工程师往返机票费用。卖方支付技术人员工资, 买方应承担及时人员的技术补贴, 每人100美元/天

- The Buyer shall operate or maintain the equipment according to the manual. All the vulnerable and spare parts provided by the Seller under this Contract shall satisfy the Buyer's needs of 12 months operating the equipment.

买方应按说明书操作或维护设备。本合同规定的卖方提供的所有易损件和备件, 应满足买方为期12个月的设备运行的需要。

- The Seller guarantees to supply the vulnerable and spare parts of the equipment in time at a the buyer price for the years after 12 months of operation and the buyer has to pay the charges by own.

卖方保证12个月内以购买价格提供设备的易损件和备件, 买方必须自行支付易损件和备件的费用。

EIGHT. Packaging 包装

- Spray on the machine parts for full humidity protection; 机器保湿喷雾



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- Plastic wrap; 塑料膜包裹

NINE. MACHINE ACCEPTANCE TESTS 机器验收测试

Release for Shipment (RFS) test 运输许可证测试

The machine will be tested at DNW' s plant at the presence of a Purchaser's representative whose signature is legally binding. At the end of the test the Purchaser's representative will sign an acceptance certificate which authorize also the machine shipment.

该机将在德诺威工厂测试，买方代表在场，其签名具有法律约束力。在测试结束时，买方的代表将签署一份验收证书，该证书也授权机器装运。

DIAPER	DURATION	SELECTED SIZE	TEST SPEED PPM	MINIMUM MAXI EFFICIENCY	MAXIMUM WASTE
T SHAPE	30 minutes	Medium	450pcs/min	98%	2%

The RFS test will be performed according to the enclosed validation parameters:

运输许可证测试将根据附上的验证参数进行:

On the condition that buyer wants seller to inspect for above 20 minutes, the cost of the material will be born by buyer.

在买方要求卖方检查 20 分钟以上的情况下，材料的成本将由买方承担。

TEN. PRODUCT SPECIFICATIONS 产品规格

Changes to the Machine 机器的更改

Any change or modification to the Machine prior the Delivery Date (hereinafter referred to as the "Change") shall be agreed upon in writing by the Parties, it being understood that, in such case, the terms provided for by this Agreement, including those of the RFS Test, Delivery Date, date of the Installation and SAT Test Date, shall be automatically postponed for the period necessary for the purposes of carrying out the Change.

在交货日期前任何更改或修改机器（以下简称“更改”）应当由双方通过书面形式同意，也就是说，在这种情况下，本条款规定的协议，其中包括运输许可证测试、交货日期、安装日期和 SAT 测试日期，应自动延期，以便执行更改所需的必要时间。

It is agreed and understood that all and any costs and expenses relating to the Change shall be borne by the Purchaser.



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TWELVE .Contract Price and Payment terms : 合同价格与付款方式

Contract Price :

Pos.	Item	FOB XIAMEN Port
1.	Full Servo Baby Diaper Machine (DNW-NK-600T-SV) 全伺服婴儿尿裤机 (T shape)	
2	Hot Melt Glue Machine (6 sets) 热熔胶机器 	
Final	FOB Price Xiamen Port (USD)	656,250 USD

END

شركة ميزة للإستيراد والتصدير
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Packaging Production Line

Baby Diaper Packing Equipment YG+BD+SF

Electric Motor	Three-phase four-wire system	380 V/60HZ
Air source parameters	Air source pressure	≥0.6MPa
	Alarm when working pressure	<0.5MPa
	Air consumption	<500LPM
Noise	noise weighted average value	≤85dB(A) (except fans and air pumps)
Installed power	About 32Kw	not including inkjet printer, air compressor
Product specifications	Single stack of bag	length: 120mm-240mm
		width: 80-260mm
		height: 150mm
Design speed	60 packs/minute	

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Stable production speed	45-55 bags/minute, hanging bags, pre-made bags, can produce European and Chinese bags, roll film bags cannot be used	
Packing bag material	PE milky white or PE transparent single layer, matte PE transparent composite PE milky white two-layer composite structure, matte PE transparent composite PE milky white two-layer composite structure two-layer composite embossed bag, matte PE transparent composite CPE aluminum-plated two-layer composite soft Aluminum bag	
Fastness to sealing	≥12N/inch (specified material composite material) aluminum foil bag ≥4-5N/inch	
Gusset line	the deviation of the overlap of the product's gusset angle is ≤5mm, and the deviation of the gusset angle of the two layers after the middle package is sealed is ≤3-5mm.	
	The width of the sealing line	the width of the sealing line is compatible with 15mm

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product quality		
	Symmetric sealing	the allowable deviation of left-right symmetry of the sealing is $\leq 5\text{mm}$, that is, the deviation of the distance between the sealing line and the color plate on both sides of the color plate is $\leq 5\text{mm}$
	Product sealing and cutting	the length deviation between the product package and the package after sealing and cutting is $\leq 15\text{mm}$
	Bag quality	the bag must not be damaged or markedly scratched after packaging
	Sealing quality	The seal is firm and flat, and must not be crushed, wrinkled or loosely sealed.
	Pressing	the seal shall not be pressed to the product
	Product quality in the package	the product in the package must not be damaged or severely wrinkled

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	The number of products in the package	the number is accurate, no more than one piece
Bag supply method	Bag warehouse width=120~260mm, the maximum height of the bag warehouse=300mm; one-key replacement of specifications	
Pass rate	$\geq 97\%$ (deductible for non-packing equipment's own reasons)	
Availability	$\geq 95\%$	
Dimensions	(L length×W width×H height): L: 8m×3.5m×2m (reference size)	
Equipment flow trend	The person faces the operating side of the host device left to right, or right to left. Customers can choose	
Equipment color	milky white (or customized)	
EXW price	296,875 USD	

شركة ميرة للإستيراد والتصدير

Miza Company For Import & Export