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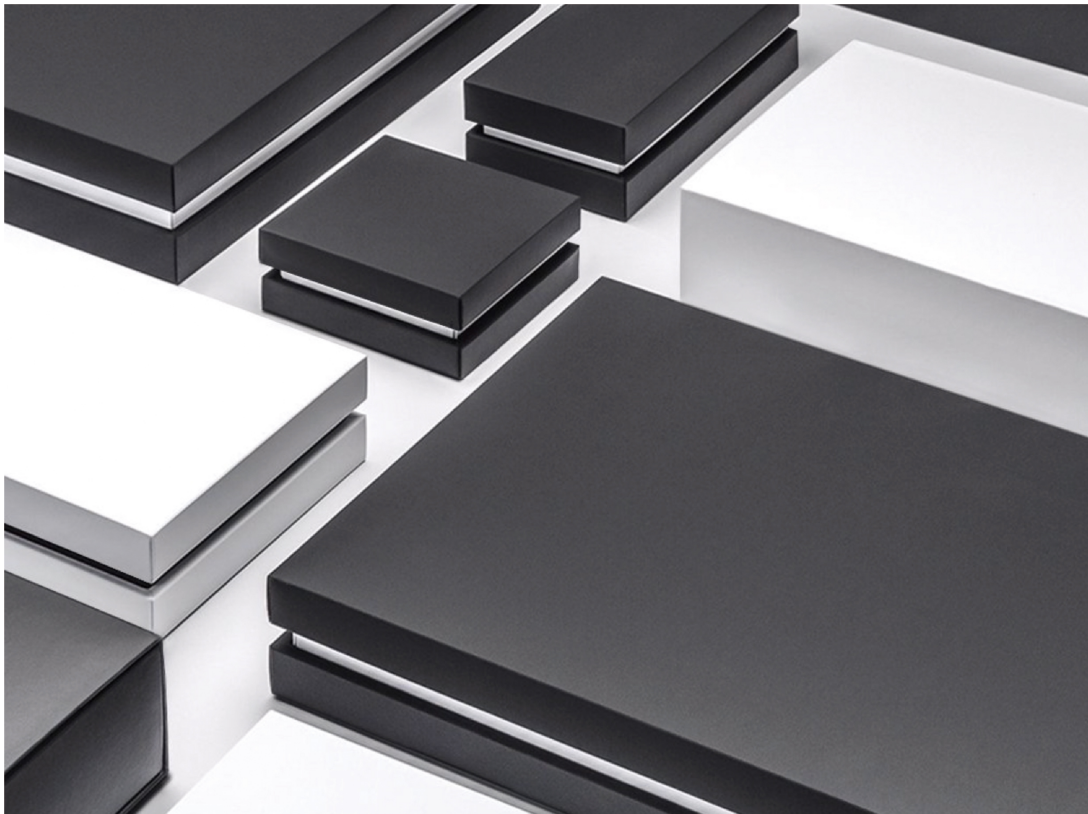
2021
PRODUCT
BROCHURE

AUTOMATIC VISUAL POSITION RIGID BOX MAKING MACHINE
AUTOMATIC RIGID BOX MAKING MACHINE
AUTOMATIC CASE MAKING MACHINE(DOUBLE SIDES SPECIAL SHAPES)
AUTOMATIC LINING MACHINE
FULLY AUTOMATIC MULTIFUNCTION GIFT BOX MAKING MACHINE

**SERIES
PRODUCT**

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RIGID BOX MAKING MACHINE

MS 420Y-S

AUTOMATIC VISUAL POSITION
RIGID BOX MAKING MACHINE

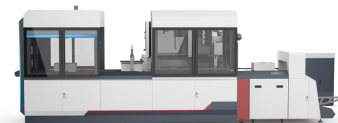
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MS 420Y

AUTOMATIC RIGID BOX
MAKING MACHINE

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MS 600/600A

AUTOMATIC RIGID
BOX MAKING MACHINE

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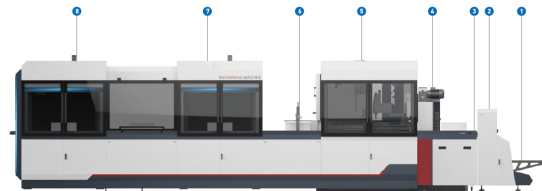
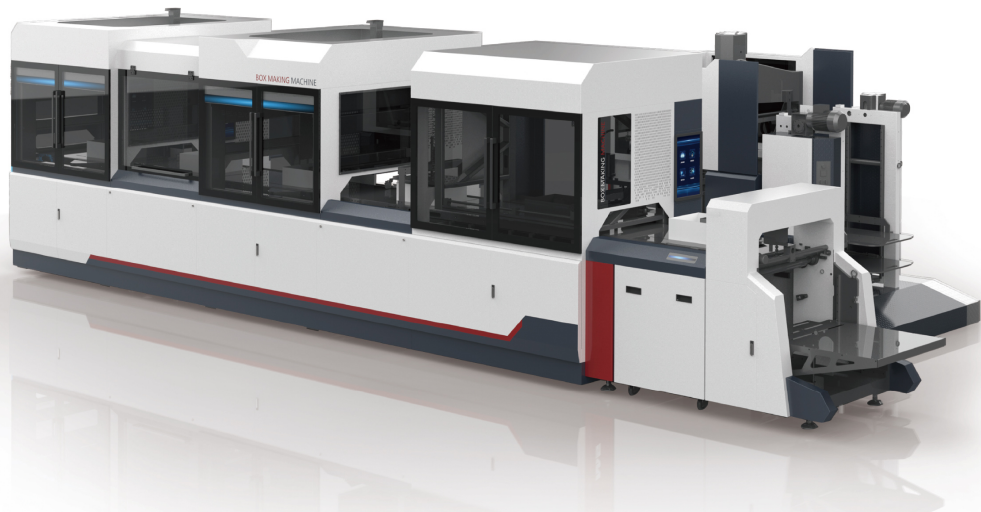
MS 420Y-S

AUTOMATIC VISUAL POSITION
RIGID BOX MAKING MACHINE

自动视觉定位 (双工位)
全自动天地盖制盒机



Vision Position Accuracy Strictly
Controlled Within 0.1mm



- 1 上纸部
FEEDER STATION
- 2 上胶部
GLUER STATION
- 3 主控台
MAIN CONTROLLER
- 4 贴角部
CORNER PASTING STATION
- 5 定位部
POSITION STATION
- 6 压平部
PRESS STATION
- 7 第一成型部
THE FIRST WRAPPING STATION
- 8 第二成型部
SECOND-WRAPPING STATION

BRIEF DESCRIPTION

此机器主要用于一些高要求的精品盒,例如苹果手机盒,平板电脑手饰品盒,化妆品盒等高档礼盒。

一 全新设计的伺服控制面纸飞达,采用后吸前推送纸,有效防止双张纸,运行稳定。

二 自动胶水粘度控制装置能有效控制胶水的粘度,保证胶水的粘性与成品的质量。

三 图像定位系统配合YAMAHA机械手实现更高速更准确的定位($\leq \pm 0.1\text{mm}$)。

四 整机采用运控系统控制,实现整机调试更快速且动作更流畅。

五 设备配备物联网功能,可为客户实现产能监控、远程故障排除及系统升级。

This machine is mainly used for producing boutique boxes with high requirements, like high grade boxes for iPhone, iPad, Jewelry gift, makeup, etc.

1. The newly designed servo-controlled facial paper feeder adopts rear suction to push the paper forward, which effectively prevents double sheets of paper and runs stably.

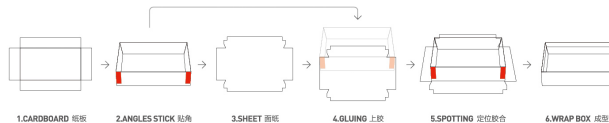
2. The automatic glue viscosity control device can effectively control the viscosity of the glue and ensure the viscosity of the glue and the quality of the finished product.

3. The image positioning system cooperates with YAMAHA manipulator to achieve higher speed and more accurate positioning ($\pm 0.1\text{mm}$).

4. The whole machine is controlled by the operation control system to realize faster debugging and smoother movements of the whole machine.

5. The equipment is equipped with the Internet of Things function, which can realize capacity monitoring, remote troubleshooting and system upgrades for customers.

THE PRODUCTION PROCESS



MS 420Y

AUTOMATIC RIGID BOX
MAKING MACHINE

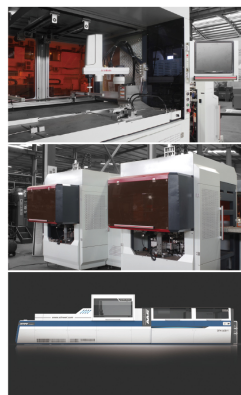
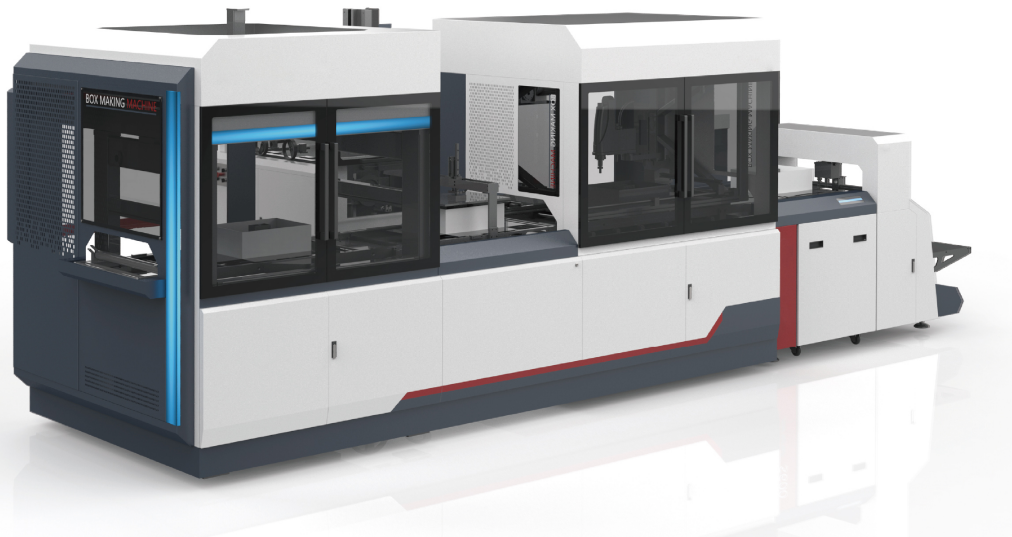
自动视觉定位 (单工位)
全自动天地盖制盒机

AND IT HELP TO ENHANCE THE PRODUCTIVITY EFFICIENCY BY TESTING
THE DEVICE PERFORMANCE FROM DIFFERENT WAYS.

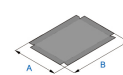
从不同角度反复验证
设备性能进一步提高了生产效率



Vision Position Accuracy Strictly
Controlled Within 0.1mm

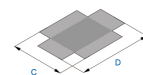


SIZE MARKING CHART



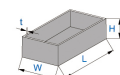
SHEET 面纸

$$W+2H-4T=C(\text{Max.})$$



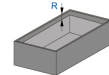
CARDBOARD 纸板

$$L+2H-4T=D(\text{Max.})$$



BOX 盒子

$$A(\text{Min.}) \cong W+2H+2T+2R \cong A(\text{Max.})$$



WRAPPED BOX 成品

$$B(\text{Min.}) \cong L+2H+2T+2R \cong B(\text{Max.})$$

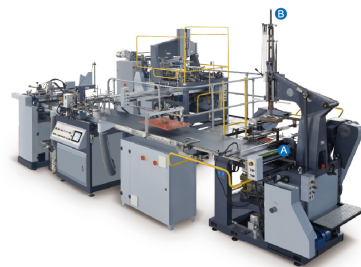
MAIN TECHNICAL PARAMETER

| MODEL | 设备型号 | MS 420Y-S | MS 420Y |
|---------------------------------|--------|--|-------------------------|
| Paper Size(AxB) | 面纸尺寸 | Amin:95mm Amax:610mm Bmin:180mm Bmax:850mm | |
| Paper thickness | 面纸厚度 | 80-300 g/㎡ | |
| Carton size | 纸盒尺寸 | Wmin:60mm Wmax:350mm Lmin:100mm Lmax:450mm Hmin:15mm Hmax:150mm | |
| Cardboard thickness | 纸板厚度 | 0.8-3mm | |
| Folding size | 折入尺寸 | Rmin:10mm Rmax:160mm | |
| Folding ear size | 折耳尺寸 | 10mm-90mm(可选配140mm) | |
| Manipulator model | 机械手型号 | YK600XG-200 | |
| Position precision | 定位精度 | ≤ ± 0.1mm | |
| Production speed | 生产速度 | ≤ 35 pcs/min | ≤ 18 pcs/min |
| Stacking height of tissue paper | 面纸堆放高度 | 480mm | |
| Stacking height of cardboard | 纸板堆放高度 | 1000mm | |
| Gas source requirements | 气源要求 | 50L/min 0.8Mpa | |
| Total power of equipment | 设备总功率 | 45KW/AC380V | |
| Equipment size | 设备尺寸 | 9800×4000×3400[S460Y-S] | 7200×4000×3400[S460Y-S] |

MS 600/600A

AUTOMATIC RIGID BOX
MAKING MACHINE

全自动
天地盖制盒机

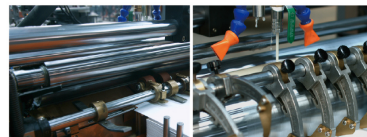


MS600A 技术创新点

A
成型折耳机构采用机械电气与气动配合解决了
全折耳、中折耳的难题

Forming and folding mechanism adopts mechanical and electrical
pneumatic to solve the whole folding ear, middle folding ear

B
成型折入机构采用机械与气动配合
实现60mm高端的全折入
Forming and folding mechanism adopt mechanical
and pneumatic together to achieve full fold into the high-end 60mm



FEEDER STATION 飞达部



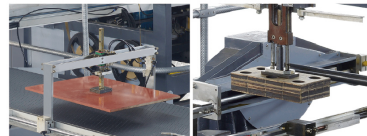
GLUER STATION 上胶部



CORNER TAPPING STATION 贴角部



POSITION STATION 定位部



PRESS STATION 压平部



SPOTTER STATION 纸盒成型部



MAIN CONTROLLER 主控台



PLC DEPARTMENT PLC部

MAIN TECHNICAL PARAMETER

| MODEL | | MS 600 | MS 600A |
|--------------------------|--------|-------------------------|--------------------------|
| Paper wrap size(A×B) | 面纸尺寸 | Amin:95mm Bmin:180mm | Amax:610mm Bmax:850mm |
| Cardboard size(C×D) | 纸板尺寸 | C:600mm / D:800mm | |
| Paper wrap thickness | 面纸厚度 | 100-200g/m ² | |
| Cardboard thickness | 纸板厚度 | T:0.8-3mm | |
| Finished box size(W×L×H) | 纸盒尺寸 | Wmin:50mm | |
| | | Wmax:400mm | |
| | | Lmin:100mm | |
| | | Lmax:600mm | |
| | | Hmin:15mm | |
| Edge folding depth | 折入尺寸 | Rmin:7mm | Rmin:7mm |
| | | Rmax:35mm | Rmax:60mm |
| Fold ear depth | 折耳尺寸 | Rmin:10mm / Rmax:125mm | |
| Position precision | 定位精度 | ± 0.5mm | |
| Production speed | 生产速度 | ≦ 35 sheets/min | |
| Paper pile height | 面纸堆放高度 | 300mm | |
| Cardboard pile height | 纸板堆放高度 | 1000mm | |
| Electrical power | 电气功率 | 16KW/380v/3phase | |
| Glue tank capacity | 胶水桶容量 | 60L | |
| Air consumption | 气源要求 | 12L/min@ 6Mpa | |
| Machine weight | 机器重量 | 6800kg | |
| Machine dimension | 整机尺寸 | L6400×W4100×H3250mm | L6600×W4100×H3400mm |

注:

1. 盒子的最大和最小尺寸, 取决于面纸的最大和最小尺寸以及面纸的厚度

2. 盒子的尺寸大小及面纸的厚度会影响机器的速度

3. 厂家不提供空气压缩机

Note:

1. The maximum and minimum size of the box depends on the maximum and minimum size of the tissue and the quality of the tissue

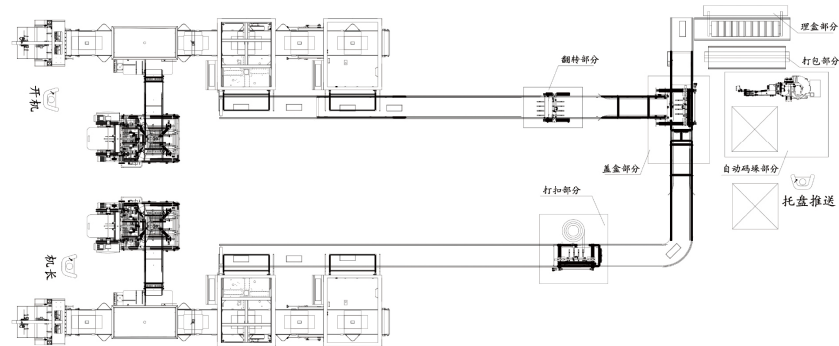
2. The size of the box and the quality of the tissue will affect the speed of the machine

3. The manufacturer does not provide air compressors

SHOEBOX CONNECTION SCHEME

鞋盒生产线方案

MS460Y-S



LAYOUT OF EQUIPMENT



CONDITIONS FOR CONFIGURATION

1.space:10mx19m ~190m² 2.manning:masterx1 /operatorx2
1.场地:10mx19m 约190m² 2.人员:机长1人 /操作员2人
单机组生产效率: 整线1500-1800套/小时
Single unit production efficiency: 1500-1800 sets/h



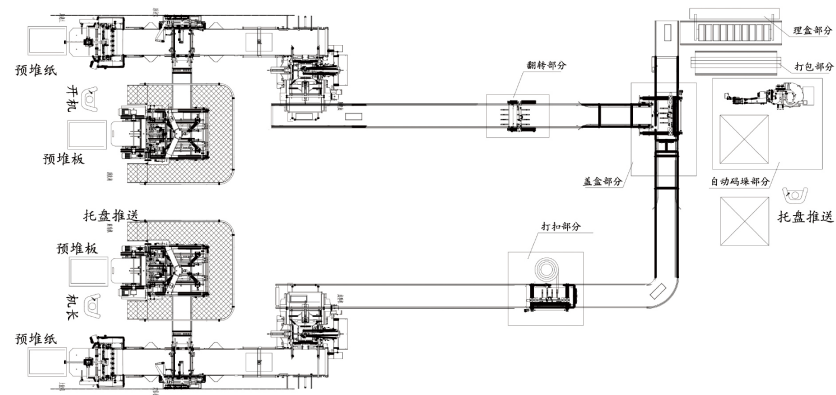
1500-1800
Sets/h



SHOEBOX CONNECTION SCHEME

鞋盒生产线方案

MS600



LAYOUT OF EQUIPMENT



CONDITIONS FOR CONFIGURATION

1.space:10mx19m ~190m² 2.manning:masterx1 /operatorx2
1.场地:10mx19m 约190m² 2.人员:机长1人 /操作员2人
单机组生产效率: 整线1500-1800套/小时
Single unit production efficiency: 1500-1800 sets/h



1500-1800
Sets/h



CASE MAKING MACHINE



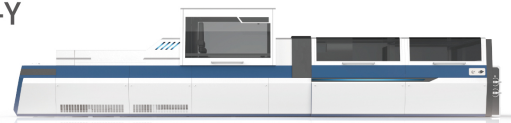
CASE MAKING MACHINE

MSFM 460B-Y/600B-Y

AUTOMATIC CASE MAKING MACHINE

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MSFM 460B/600B

AUTOMATIC CASE MAKING MACHINE

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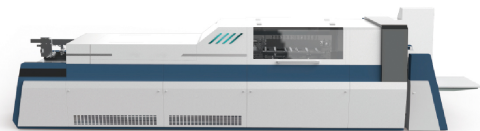


MSNB 460B/600B

AUTOMATIC LINING MACHINE

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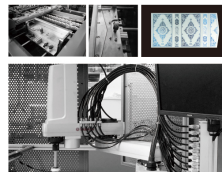
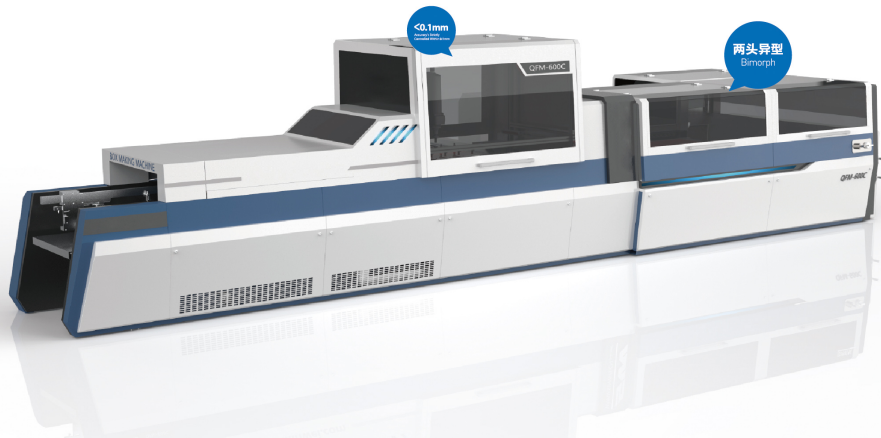
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MSFM 460B-Y 600B-Y

AUTOMATIC CASE MAKING MACHINE
(Double sides special shapes)

自动视觉定位
全自动封面机 (两头异形皮壳)



Position precision: $\pm 0.1\text{mm}$

CHARACTERISTIC

本机采用最新设计飞达自动输送面纸, 自动涂布胶水, 自动定位, 自动纠偏装置, 自动纸板输送, 采用具有自主知识产权的自动输送纸机, 然后底面纸自动对接, 自动粘合, 自动折边成型, 自动压合。该自动机加工的产品平整, 包边紧, 排除了皮壳表面脏, 划伤精度严格控制, 控制在0.1mm以内的难题。

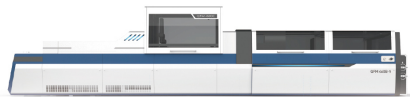
This machine adopts latest designed feeder automatic conveyed surface paper. It automatically coat glue, automatically positions, automatically corrects errors for device and automatically conveys cardboard. It adopts automatic paper conveying machine with independent intellectual right. And then bottom paper is automatically corrected, automatically pasted, automatically folded for shaping and automatically pressed. Products processed by this auto-matic machine is smooth, hemming is tight, it has excluded of f faults including chaf f surface getting dirty and scratching accuracy is strictly controlled within 0.1mm.

USE

MSFM-B-Y 系列可用于高效, 优质的制作各类精装书壳, 活页簿, 文件夹, 游戏纸张, 账册, 台挂历, 日记本, 照相册和高档包装礼盒 (烟盒, 酒盒, 高档手机盒, 茶叶盒, 月饼盒, 家纺盒等超大礼盒) 品质优异, 尺寸范围大, 高速, 产品适用范围广, 稳定可靠, 换版便捷, 操作维修简便, 节能人工和能耗, 使该机型成为MSFM系列中的经典之作。

MSFM-B-Y can be used for efficiently producing various of high-quality handover book case, book binder, folder, game board, books, table calendars, diaries, photo albums and high-end gift packaging Cigarettes, wine, higher phone box, tea box, moon cake boxes, home visits, large gift boxes, etc Excellent quality, ranges sizes, high speed, suitable for ranges of products, stable and reliable operation, easy operation and maintenance, saving labor and energy, all that make the models become MSFM series classic work.

COMBINED CRAFT F LOW LINE



PRODUCT SAMPLE DRAWING



注: 其他可做样式, 不再一一举例, 本机也可做每块大小不同的产品
Remark: do not illustrate other samples, the machine can have different size of each product

MAIN TECHNICAL PARAMETER

| MODEL | | MSFM 460B-Y | MSFM 600B-Y |
|------------------------|--------|-------------------------|-------------------------|
| Length of paper | 纸张长度 | 190-830mm | 190-1030mm |
| Width of paper | 纸张宽度 | 100-460mm | 100-630mm |
| Thickness of paper | 纸张厚度 | 80-200g/m ² | 80-200g/m ² |
| Thickness of cardboard | 纸板厚度 | 1-3mm | 1-3mm |
| Min width of spine | 中条最小宽度 | 8mm | 8mm |
| Position precision | 定位精度 | $\leq \pm 0.1\text{mm}$ | $\leq \pm 0.1\text{mm}$ |
| Speed | 速度 | 0-30pcs/min | 0-30pcs/min |
| Power | 功率 | 12kw | 13kw |
| Weight | 机械重量 | 4000kg | 5000kg |
| Dimension | 机械尺寸 | L9200*W2100*H2100mm | L10000*W2250*H2100mm |

注:

1. 盒子的最大和最小尺寸, 取决于进纸的最大和最小尺寸以及进纸的精度
2. 盒子的尺寸大小及进纸的厚度会影响进纸的速度
3. 厂家不提供免费气压机。

MSFM 460B 600B

AUTOMATIC CASE MAKING MACHINE

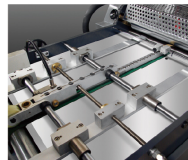
全自动封面机

Keep improving to ensure stable and reliable paper transmission, Transmission of paper adopts automatic paper transmission feeder with mutually combined with vacuum suction separated paper and computer controlled vacuum blower wheel paper delivery, paper enters band steel ball roller conveyor's new guiding rail for positioning, and then automatically cool glue for re-adoption of optical fiber precise tracking error correction device. It adopts unique development philosophy to solve problems including getting dirty and scratching. Through belt-oriented chaf I transmission system developed by unique professional technique, sucker manipulator transmits product onto vacuum air-transmission conveyor belt for transmission which can avoid phenomenon including surface occurring getting dirty and scratching to meet requirements for high-quality products.

精益求精确保输纸稳定可靠面纸输送采取真空吸盘分离纸张及电脑控制真空吹风机轮速相结合的自动输纸飞达,面纸进入带钢球滚道式的新型导轨进行定位,然后自动涂布胶水,再次采用光纤精密跟踪纠偏装置。采用独特的开发理念,解决蹭脏和划伤的问题运用独特的专业技术开发的皮带导向皮壳传送系统,吸盘机械手将产品传递至真空吸风轮送带上传送,可以避免皮壳表面出现蹭脏,划伤的现象,满足高品质产品的需求。

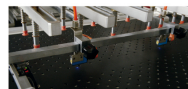


高品位设计结构成果
经济效益飞跃向上
All High Grade Design
Economic Leap Up



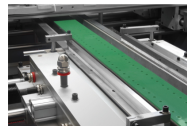
提高纸板定位精度的自动纠偏装置。(专利号: 2L2012007936D.1) 该专利的实施,着重解决全自动封面机,生产产品的加工精度要求,特别是对一些彩印的精品包装盒及封面,因此对面板与纸板结合的平行度及印刷线条的重合度的精度达到了更高的要求,甚至有用户对该项精度要求达到小于0.3mm,该装置能满足用户要求。

Automatic Error Correction Device for Improvement of Accuracy of Cardboard Positioning (Patent No. 2L2012007936D.1) Implementation of this patent is centered on solving requirements for fully automatic cover machine's processing accuracy for produced products, especially some color printed fine packing boxes and covers. So it has achieved higher demands for parallel degree of combination of facial tissue and cardboard and coincidence degree and even some users' requirement for this accuracy reaches less than 0.3mm. This device can meet requirements by users.



提高纸板输送准确度的光纤精密检测装置,该技术主要解决纸板变形大,薄纸板,不标准板,在输送过程中,到位不准确,造成的废品,提高了成品率。

Optical Fiber Precise Detection Device to Improve Accuracy of Cardboard Accuracy This technology mainly solves problems including large cardboard deformation and rejected products caused by thin cardboard and non-standard board's inaccurate in-place during transmission. It has improved rate of finished products.



该技术解决了对较窄的纸板进行包边,与划伤的问题。(专利号: 2L201020130922.1 发明专利号: 2L201010115056.7) 该专利的实施,解决了两头小的皮壳,纸板较窄进行包边,包边过程中由机械部件造成的表面划伤的问题,大大提高了生产效率。

This technology has solved of 4 issues including its hemming and scratching for narrower cardboard (Patent No. 2L201020130922.1 and Invent Patent No. 2L201010115056.7). Implementation of this patent has solved problem of scratching caused by mechanical parts abrasion for cardboard narrowing for chaf with small two ends during hemming and it has greatly improved production efficiency.

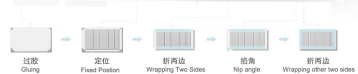


提高皮壳成品收料,计数的效率,该技术的实施,解决了人工收料,计数效率低的问题。

It has improved efficiency for materials receiving and counting of finished products of chaf. Implementation of this technology has solved problem of low manual materials receiving and counting.



COMBINED CRAFT FLOW LINE



PRODUCT SAMPLE DRAWING



注: 其他可做样式, 不再一一举例, 本机也可做每块大小不同的产品
Remark: do not illustrate other samples, the machine can have different size of each product

MAIN TECHNICAL PARAMETER

| MODEL | MSFM 460B | MSFM 600B |
|------------------------------|--------------------------------|------------------------|
| Length of paper | 纸张长度 190-830mm | 190-1030mm |
| Width of paper | 纸张宽度 100-460mm | 100-630mm |
| Thickness of paper | 纸张厚度 80-200g/m ² | 80-200g/m ² |
| Thickness of cardboard | 纸板厚度 1-3mm | 1-3mm |
| Min width of spine | 中条最小宽度 8mm | 8mm |
| Long-side Position precision | 长边定位精度 ≤± 0.25mm | ≤± 0.25mm |
| Speed | 速度 0-35pcs/min | 0-35pcs/min |
| Power | 功率 12kw | 13kw |
| Weight | 机械重量 3500kg | 4500kg |
| Dimension | 机械尺寸 L7800*W2100*H1550mm | L8900*W2250*H1550mm |

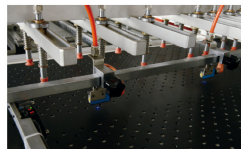
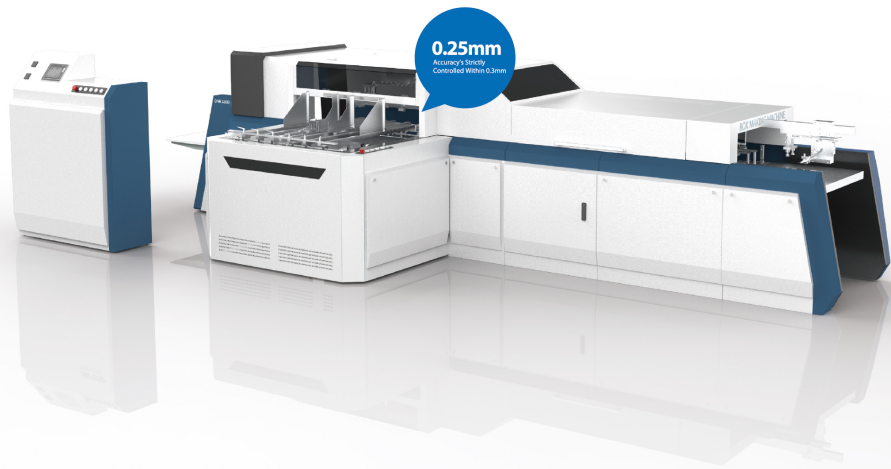
MSNB 460B 600B

AUTOMATIC LINING MACHINE

全自动内裱机

With the increasing change of economic environment and demand diversity, it's our priority to develop a new high-tech device matching with this market demand in hardcover machine field. Meanwhile, based on the present background—demand of high speed stability, high quality and competitive price with perfect performance, Xinxin have successfully developed new model machine with excellent experience: MSNB600/460 automatic lining machine. And now this new model plays a strategic role in meeting clients need and creating more benefit it.

当前市场经济环境不断发生着变化,市场需求日趋多样化。在皮壳机的领域内开发一款能与之配套产能的高新设备,已成为当务之急。与此同时,市场谋求的是高速平稳,高质灵活,具有实惠的价格,性能比而又能达到高产能,高品质要求的高档次机型。基于这样时代背景,欣纬公司利用专业技术,成功研发出了新一代的战略机型:MSNB600/460全自动内裱机。自问世以来,满足了客户的需求,作为创造良好的经济效益,发挥出更大的战略作用



BRIEF DESCRIPTION

提高纸板定位精度的自动纠偏装置。(专利号: 2L201220079380.1) 该专利的实施,着重解决全自动封面机,生产产品的加工精度要求,特别是一些经彩印的精细包装盒及封面,因此对面纸与纸板结合的平行度及印刷线条的重合度的精度达到了更高的要求,甚至有的用户对该项精度要求达到小于0.3mm,该装置能满足用户要求。

提高纸板输送准确度的光纤精密检测装置。该技术主要解决纸板变形大,薄纸板,不标准板,在输送过程中,到位不准确,造成的废品,提高了成品率。

Automatic Error Correction Device for Improvement of Accuracy of Cardboard Positioning [Patent No.: 2L201220079380.1] Implementation of this patent is centered on solving requirements for fully automatic cover machine's processing accuracy for produced products, especially some color printed fine packaging boxes and covers. So it has achieved higher demands for parallel degree of combination of facial tissue and cardboard and coincidence degree and even some users' requirement for this accuracy reaches less than 0.3mm. This device can meet requirements by users.

Optical Fiber Precision Detection Device to Improve Accuracy of Cardboard Accuracy This technology mainly solves problems including large cardboard deformation and rejected products caused by thin cardboard and non-standard board's inaccurate in-place during transmission. It has improved rate of finished products.

PRODUCT SAMPLE DRAWING



注:其他可做样式,不再一一列举,本机也可做每块大小不同的产品
Remark: do not illustrate other samples, the machine can have different size of each product

COMBINED CRAFT F LOW LINE



MAIN TECHNICAL PARAMETER

| MODEL | | MSNB 460B | MSNB 600B |
|------------------------|------|------------------------|------------------------|
| Length of paper | 纸张长度 | 190-830mm | 190-1030mm |
| Width of paper | 纸张宽度 | 100-460mm | 100-630mm |
| Thickness of paper | 纸张厚度 | 80-300g/m ² | 80-300g/m ² |
| Thickness of cardboard | 纸板厚度 | 1-3mm | 1-3mm |
| Position precision | 定位精度 | < ± 0.25mm | < ± 0.25mm |
| Speed | 速度 | 0-35pcs/min | 0-35pcs/min |
| Power | 总功率 | 11kw | 13kw |
| Weight | 机械重量 | 2500kg | 3000kg |
| Dimension | 机械尺寸 | L4900*W2150*H1500mm | L6800*W2600*H1550mm |

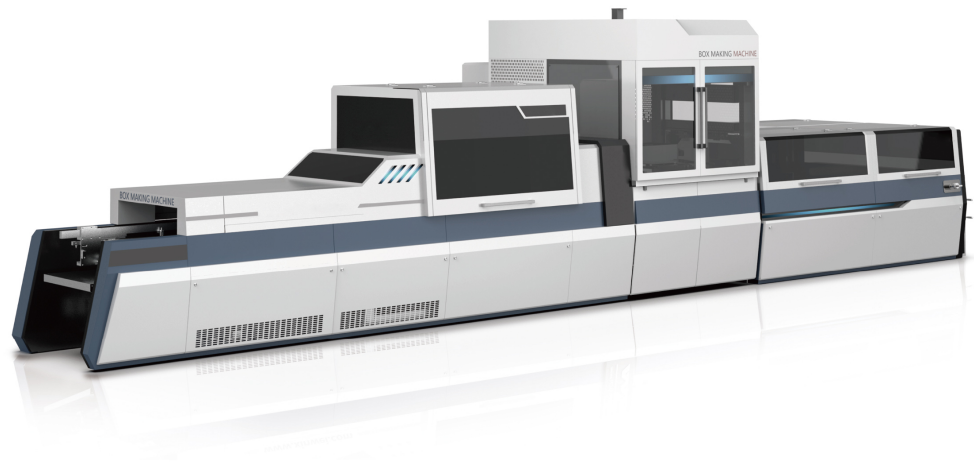
MS 18Y

FULLY AUTOMATIC MULTIFUNCTION
GIFT BOX MAKING MACHINE

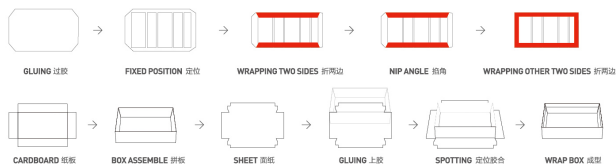
全自动
多功能礼盒成型机



Modularization
Combination



PROCESS FLOW



PRODUCT SAMPLE DRAWING



Remark: do not illustrate other samples, the machine can have different size of each product. 注：其他可替代式，不再一一举例。本机也可做每块大小不同的产品

MAIN TECHNICAL PARAMETER

| MODEL | | MS 18Y 皮壳部分 CASE MAKER UNIT |
|---------------------|--------|---|
| cover length | 皮壳长度 | 180-1000mm |
| cover width | 皮壳宽度 | 80-600mm |
| Cardboard thickness | 纸板厚度 | 1-3mm |
| Min width of spine | 中条最小宽度 | 8mm |
| speed | 速度 | 0-30pcs/min |
| MODEL | | MS 18Y 成型部分 BOX WRAPPER UNIT |
| Box size | 纸盒尺寸 | Max:450mm / 350mm / 150mm Min:100mm / 60mm / 15mm |
| Cardboard thickness | 纸板厚度 | 0.8-3mm |
| Edge Folding Depth | 折入尺寸 | Rmin:10mm Rmax:150mm |
| Fold ear depth | 折耳尺寸 | 10mm-125mm(可选配150mm) |
| Production speed | 生产速度 | ≦18 sheets/min |
| MODEL | | MS 18Y 共同部分 COMMON PART |
| Length of paper | 纸张长度 | 190-1030mm |
| Width of paper | 纸张宽度 | 110-630mm |
| Thickness of paper | 纸张厚度 | 80-200g/m ² |
| Position precision | 定位精度 | ≤ ± 0.1mm |
| Power | 功率 | 20kw |
| Weight | 机械重量 | 7000kg |
| Dimension | 机械尺寸 | L11000*W5000*H2800mm |

- > It adopts high speed automatic paper feeding system, which is controlled pneumatically, and its structures simple and reasonable.
- > New designed copper scraper cooperates with the rubber more compactly, effectively avoiding paper winding. And the copper scraper is more durable
- > Paper feeding and positioning system adopt imported highprecision photoelectric control device to make the paper and cardboard location more accurate.
- > It adopts PLC control, featuring in simple operation. The troubles are displayed directly on the HMI, which helps the operator easily remove them
- > 采用飞达前吸风后分离式送至结构，整体动作伺服及气动控制。
- > 生产线吸风装置避免粉尘变形和气泡，尾部配备自动整平装置。
- > 采用了智能触摸屏显示和操作，保证了人机对话更方便，直接。
- > 采用日本欧姆龙PLC智能软件控制系统，自动检测故障，使调试更加方便快捷，减少了原材料的浪费。