



智慧生产 · 轻松管理

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官方网站
Official Website



微信公众号
Official Account of Wechat



官方抖音号
Official Account of Tiktok



技术支持
Technical Support



官方油管号
Official Account of YouTube



LIAN ROU
 machinery
联柔机械

Catalogue
产品画册

LIANROU'S VISION:
 LEAD THE INDUSTRY WITH ADVANCED TECHNOLOGY!
 EARN THE TRUST WITH BEST QUALITY!
 REWARD THE CUSTOMER BY QUALIFIED SERVICE!

2023

◆ 袋装弹簧生产机 Pocket spring machine	01-14
○ LR-PS-EV280/260	○ LR-PS-S(D)220
○ LR-PS-S(D)180	○ LR-PS-UMS/UMD
○ LR-PS-HMS/HMD	○ LR-PS-OVMS/OVMD
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◆ 袋装弹簧粘胶机 Pocket spring assembly machine	15-24
○ LR-PSA-109P	○ LR-PSA-99EX
○ LR-PSA-99P	○ LR-PSA-97P
○ LR-PSA-75P	
◆ 袋装弹簧生产线 Pocket spring production line	25-30
○ LR-PSLINE-DL	○ LR-PSLINE-BOX230/BOX4W
○ LR-PSA-GLL	
◆ 全自动床垫卷压包装机 Automatic mattress roll-packing machine	31-40
○ LR-KPLINE-27P	○ LR-KPLINE-26P/26PRO
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○ LR-BS-S2	
◆ 全自动床垫薄膜包装机 Automatic mattress film packing machine	41-42
○ LR-MP-40P	
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○ LR-MP-55P	○ LR-MP-55P-LINE

◆ 软垫卷包机 Pocket spring units roll-packing machine	47-48
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◆ 床网卷包机 Bonnell spring units roll-packing machine	49-50
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◆ 全自动海绵拉卷机 Automatic foam-roll compressing machine	51
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○ LR-PS-SS	○ LR-RP-ZT/RPO-2P
○ LR-TA-PE	○ LR-TG-PE
◆ 联柔智能生产协作系统简介 Smartline profile	59-60
◆ 海内外售后（技术）服务中心 After-sales (technical) service center	



LIANROU machinery

联柔宗旨：

以先进的技术引领行业！

以最佳的品质赢得信任！

以优质的服务回馈客户！

Lianrou's Vision:

Lead the industry with advanced technology!

Earn the trust with best quality!

Reward the customer by qualified service!



联柔历程 COURSE

联柔公司作为中国首家生产袋装弹簧生产机的制造商，拉开了中国软体家具设备制造的序幕。联柔公司创始人凭借自身数十年的机械研发和制造经验，自主研发了中国第一台袋装弹簧生产设备，在中国家具机械博览会(INTERZUM GUANGZHOU)上赢得国内外知名床垫企业和制造商的认可和赞誉。随后十多年来，联柔公司一直坚持技术创新，质量第一和服务一流的理念，陆续研发并推出了一系列软体家具生产制造设备如：袋装弹簧生产机、袋装弹簧粘胶机、全自动床垫包装机、全自动床垫压缩包装机、全自动海绵搓卷机等。数年来，联柔公司不断引进大量国外知名品牌的CNC加工设备，同时招揽大批机械制造经验丰富、设计理念新颖的技术人才，其中不乏软件专家、硕士工程师、博士工程师和国家级机械专家，为联柔公司的发展壮大提供了坚实的基础。

联柔公司的成长历程：

- 2022年，联柔公司再一次为客户带来颠覆行业的极速袋装弹簧生产机LR-PS-EV280和袋装弹簧床网六面组装机LR-PSA-109P。
- 2021年，联柔公司创新性地推出具有超微型和超高腰比的袋装弹簧生产机LR-PS-OVM/HM。
- 2019年，联柔公司再次隆重推出领先行业的超高速袋装弹簧生产机LR-PS-DW180和袋装弹簧粘胶机LR-PSA-99P。
- 2019年，联柔公司推出袋装弹簧生产机LR-PS-VS/VD，每分钟140个的速度既保证了生产效率，又具有超高性价比的特点。
- 2018年，联柔公司推出最高效率160只/分钟的袋装弹簧生产机，其生产效率再创行业新高，同期推出新型袋装弹簧生产机LR-PS-XW，有效降低床网材料成本。
- 2017年，联柔公司推出软硬分区面包簧高速生产线LR-PSLINE-BOX4W。
- 2016年，联柔公司推出双线径袋装弹簧生产机LR-PS-DW,再度领先全行业。
- 2015年，联柔公司推出全新双层袋装弹簧生产机LR-PS-DL，行业首创。
- 2014年，联柔公司推出全新一代效率达140只/分钟的全自动袋装弹簧生产线LR-PSLINE140，在行业处于领先地位。
- 2013年，联柔公司推出新型整体组合式袋装弹簧软垫（面包簧），拉开了袋装弹簧床网的新篇章。
- 2012年，联柔公司推出新一代自动袋装弹簧生产机LR-PS-OV,满足客户生产效率更高、品质更好和操作更简单的要求。
- 2011年，新厂房落成并投入使用，为客户提供更好的产品和服务。
- 2008年，随着全自动袋装弹簧生产线LR-PS-LINE的诞生，联柔公司在业内再创第一，填补了国内全自动多功能生产袋装弹簧床网的空白。
- 2007年，联柔公司再次取得了技术上的飞跃，研发制造了中国首台伺服级数控绕簧机，实现了全电脑控制弹簧绕制，同期推出了最新一代袋装弹簧生产机LR-PS-VX系列。
- 2006年，伴随袋装弹簧生产机的高速发展，联柔公司推出了相配套的新一代高速的袋装弹簧粘胶机LR-PSA-125P系列。
- 2005年，联柔公司研制了新一代的高速袋装弹簧生产机LR-PS-VF，其生产效率再创国内新高。
- 2003年，由PLC控制的第二代袋装弹簧生产机LR-PS-90P诞生，该设备作为首款经济耐用袋装弹簧生产机，堪称最经典的袋装弹簧生产机。
- 2000年，联柔公司研发了第一代袋装弹簧生产机LR-PS-80P。
- 1998年，联柔公司研发了中国首台机械传动的袋装弹簧生产机。

24年的创新！24年的进步！联柔公司取得 220 多项专利，其中授权发明专利 33 项和多项国际专利（包括德国、美国专利）及PCT证书。为了更好地服务好客户，联柔公司逐步推出适合床垫和海绵产品的包装以及压缩包装设备。针对欧美客户，联柔公司推出符合CE标准的各种设备。

As the very first Chinese manufacturer of Pocket Spring Machines, Guangzhou Lianrou Machinery and Equipment Co., Ltd (hereinafter refer to as Lianrou) started the production of upholstered furniture equipments in China. Out of his own dozens of years experience on machinery researching and manufacturing , founder of Lianrou developed the first Pocket Spring Machine in China. And this machine won recognition and praises in Interzum Guangzhou Exhibition, from mattress enterprises and manufacturers of domestic and overseas. For many years after that, Lianrou has always kept in mind a belief of Technological Innovation, Quality First and Top Class Service. And he has continually researched and developed a series of upholstered furniture manufacturing equipments, Pocket Spring Machine, Pocket Spring Assembly Machine, Automatic Mattress Packing Machine, Mattress Roll-packing Machine, Foam-roll Compressing Machine, etc. In recent years, Lianrou has kept bringing in CNC Centers of famous international brands. Meanwhile, Lianrou has recruited plenty of technical talents with abundant experience and new concepts in machinery manufacturing, including software experts ,engineers with master degree and some doctor degree, and mechanism specialists who have gained national recognition. All of these have provided a strong foundation for the growing of Lianrou.

Development of Lianrou:

- 2022, Lianrou once again brings an industrial-impressive pocket spring machine LR-PS-EV280 and a brand-new pocket spring integrated assembly machine LR-PSA-109P.
- 2021, Lianrou innovatively brings a pocket spring machine LR-PS-OVM/HM with subminiature and ultra-high waist ratio.
- 2019, Lianrou again brings a leading pocket spring machine LR-PS-DW180 with ultra-high speed and a new pocket spring assembly machine LR-PSA-99P.
- 2019, Lianrou introduces a pocket spring machine LR-PS-VS/VD which is 140 springs per minute with ultra-high cost performance.
- 2018, Lianrou brings Pocket Spring Machine with maximum speed of 160springs/min. This speed has again broken the record of the industry. At the same time, Lianrou introduces a new type of Pocket Spring Machine LR-PS-XW, which can effectively reduce material cost in production.
- 2017, Lianrou creates a high speed Nano Spring Production Line LR-PSLINE-BOX4W, that can make zones in nano spring units.
- 2016, Lianrou continues to cement the industry-leading role by introducing the double wire pocket spring machine LR-PS-DW.
- 2015, Lianrou introduces a new pocket spring machine LR-PS-DL(double layer),original creating in the industry.
- 2014, Lianrou invents a new generation of Fully Automatic Pocket Spring Production Line LR-PSLINE-140, it has a speed of 140 springs per minute and this is leading the world.
- 2013, Lianrou introduces a new type of Box Spring Pad (Nano Pocket Spring Units) to the industry, and this has turned a new chapter for the Pocket Spring Units history.
- 2012, Lianrou introduces a new generation of Automatic Pocket Spring Machine LR-PS-OV,which is to meet customers' requirements on higher efficiency, better quality and easier operation.
- 2011, a new factory comes into service, and enables Lianrou to provide better products and service.
- 2008, with the birth of Automatic Pocket Spring Production Line LR-PS-LINE, Lianrou becomes the first again to fill the blank domestically of manufacturing a multi-functional production line in producing pocket spring units.
- 2007, Lianrou has a technical break through again, and he invents China's first servo coiler, this has realized fully computer control in springs coiling, and meanwhile a new generation of Pocket Spring Machine LR-PS-VX is promoted to the market.
- 2006, with the fast development of Pocket Spring Machines, Lianrou introduces a new generation of Pocket Spring Assembly Machine LR-PSA-125P with high speed.
- 2005, a new generation of Pocket Spring Machine LR-PS-VF is invented, and its efficiency breaks a record in China.
- 2003, the second generation Pocket Spring Machine with PLC control system LR-PS-90P comes into the world, as the first economical and durable Pocket spring Machine, rated the most classic Pocket Spring Machine.
- 2000, Lianrou develops the first generation Pocket Spring Machine LR-PS-80P.
- 1998, Lianrou develops the first mechanical driven Pocket Spring Machine in China.

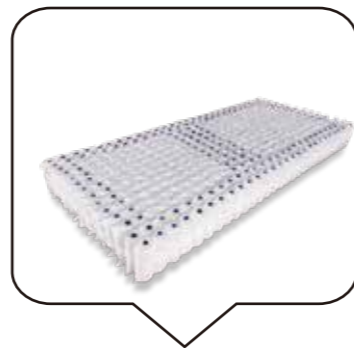
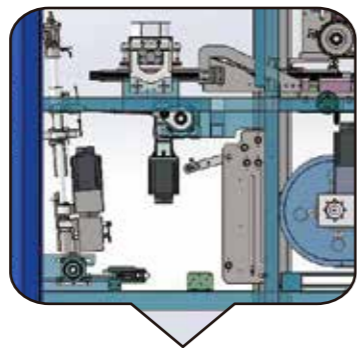
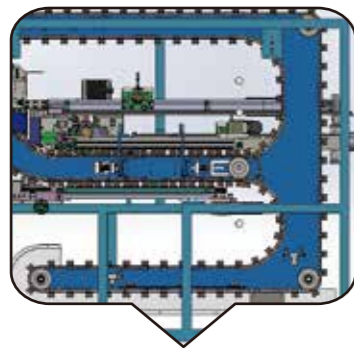
The innovation of 24 years! The march for 24 years! Lianrou has achieved over 220 patents, including 33 authorized invention patents and many international patents (German patent, U.S.A. patent) and PCT. In order to provide better service, Lianrou gradually brings out Wrapping Machine and Roll Packing Machines for mattresses and foam products. For European and American market, Lianrou had made different machines that conform to CE standard.

超高速袋装弹簧生产机



专利产品
Patented Product

每分钟280个弹簧, 行业之巅
 内置双层结构, 节约厂房立体空间
 降本增效利器, 更高的单位占地面积产出比
 280 springs per minute, top of the industry
 With double layer structure, saving space
 Great help for cost reducing and benefit
 Higher output ratio per unit floor area



E型结构, 超过120个磁铁输送座, 冷却性能好
 E structure / Over 120 magnetic conveying units/
 good cooling effect

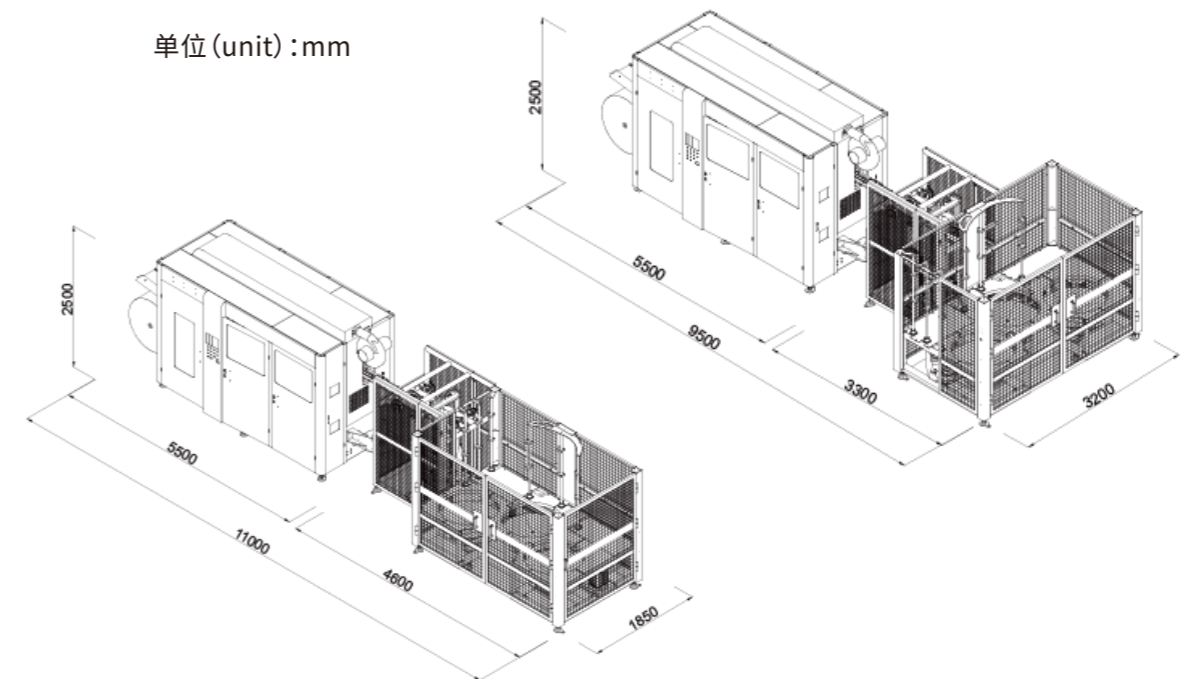
数模一体化超声波
 Digital analog integration
 ultra-sonic

可实现床网分区
 Available for zoning

性能 character	型号 model	LR-PS-EV280	LR-PS-EV260
生产效率		280只/分钟	260只/分钟
Production capacity		280 springs/min.	260 springs/min.
绕簧机		数控绕簧机头/双线数控绕簧机头	
Coiling head		Single wire servo coiling head/ Double wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型: 直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.4m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		55KW	50KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
	输入电流/Input current	90A	
Power requirements	输入电缆/Cable section	3*35mm ² +2*16mm ²	
	工作温度/Working temperature	+5°C~+35°C	
重量/Weight		约/Approx.6000Kg	

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~90g/m ²
布料宽度/Fabric width	260-680mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.6-2.3mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg

适用弹簧规格(毫米) Applicable spring specifications(mm)		
钢丝直径(W) Wire Diameter	弹簧中腰直径(D) Spring Waist Diameter	弹簧入袋后高度(H) Pocket Spring Height
Φ 1.6~2.3	Φ 48~75	80~250



高速袋装弹簧生产机



专利产品
Patented Product

高速、双O结构、热处理效果好!
High speed / Twin O structure / Excellent heat-treatment



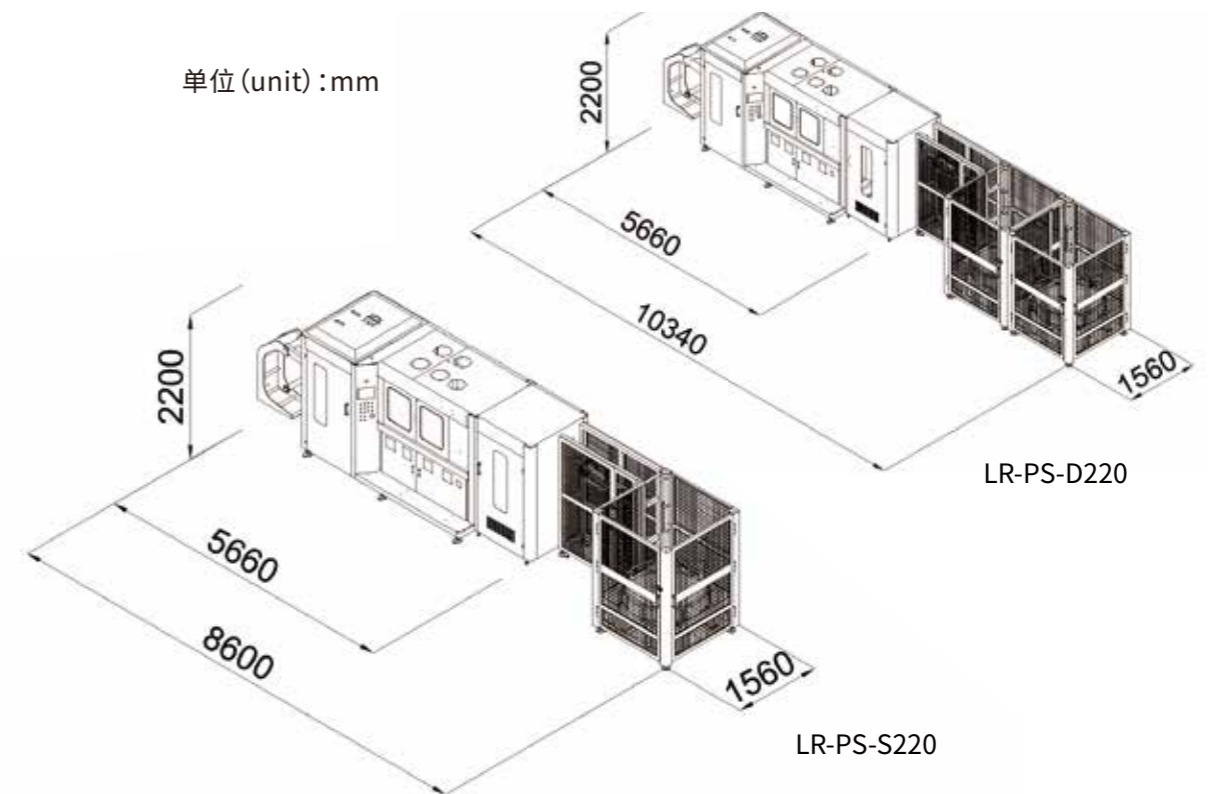
双O结构, 超过60个磁铁输送座, 冷却性能好
Twin O structure / Over 60 magnetic conveying units / good cooling effect

热处理实时监测与温度智能调节
Real-time monitoring of heat-treatment / intelligent adjustment of temperature

性能 character	型号 model	LR-PS-S220	LR-PS-D220
生产效率		220只/分钟	
Production capacity		220 springs/min.	
绕簧机		数控绕簧机头/双线数控绕簧机头	
Coiling head		Single wire servo coiling head/ Double wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型:直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.35m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流/Input current	60A	65A
	输入电缆/Cable section	3*16mm ² +2*10mm ²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.6000Kg	约/Approx.7000Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65-90g/m ²
布料宽度/Fabric width	260-680mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝直径/Wire diameter	1.3-2.3mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg

适用弹簧规格(毫米) Applicable spring specifications(mm)			
	钢丝直径(W) Wire Diameter	弹簧中腰直径(D) Spring Waist Diameter	弹簧入袋后高度(H) Pocket Spring Height
Option-01	Φ 1.6-2.3	Φ 48-75	80-250
Option-02	Φ 1.3-1.9	Φ 38-65	60-220

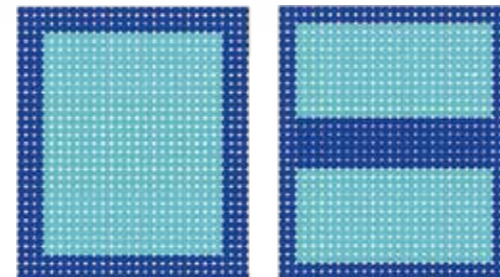


袋装弹簧生产机

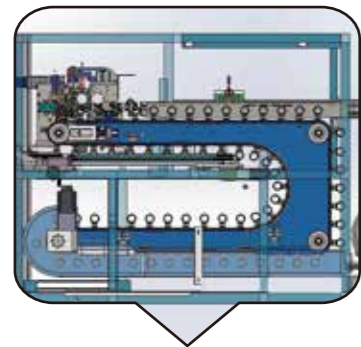


专利产品
Patented Product

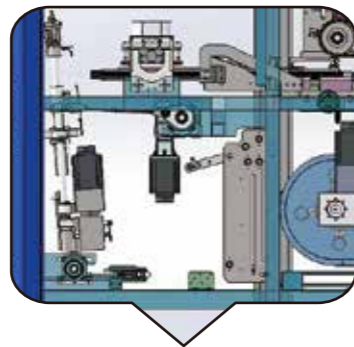
新一代专利机型, 双线机型可实现弹簧条两种钢丝分区功能
A new generation of patented machine
Providing spring strings
with zones from two different wire by D180



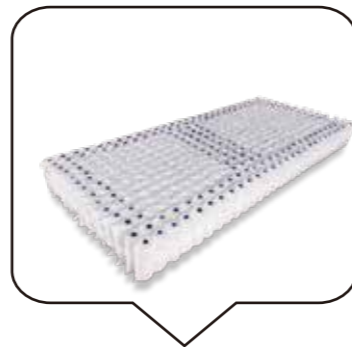
深蓝色, 线径2.0mm; 浅蓝色, 线径1.4mm
Dark blue, wire diameter 2.0mm;
Light blue, wire diameter 1.4mm



U型结构, 超过60个磁铁输送座, 冷却性能好
U structure / Over 60 magnetic conveying units/
good cooling effect



数模一体化超声波
Digital analog integration
ultra-sonic

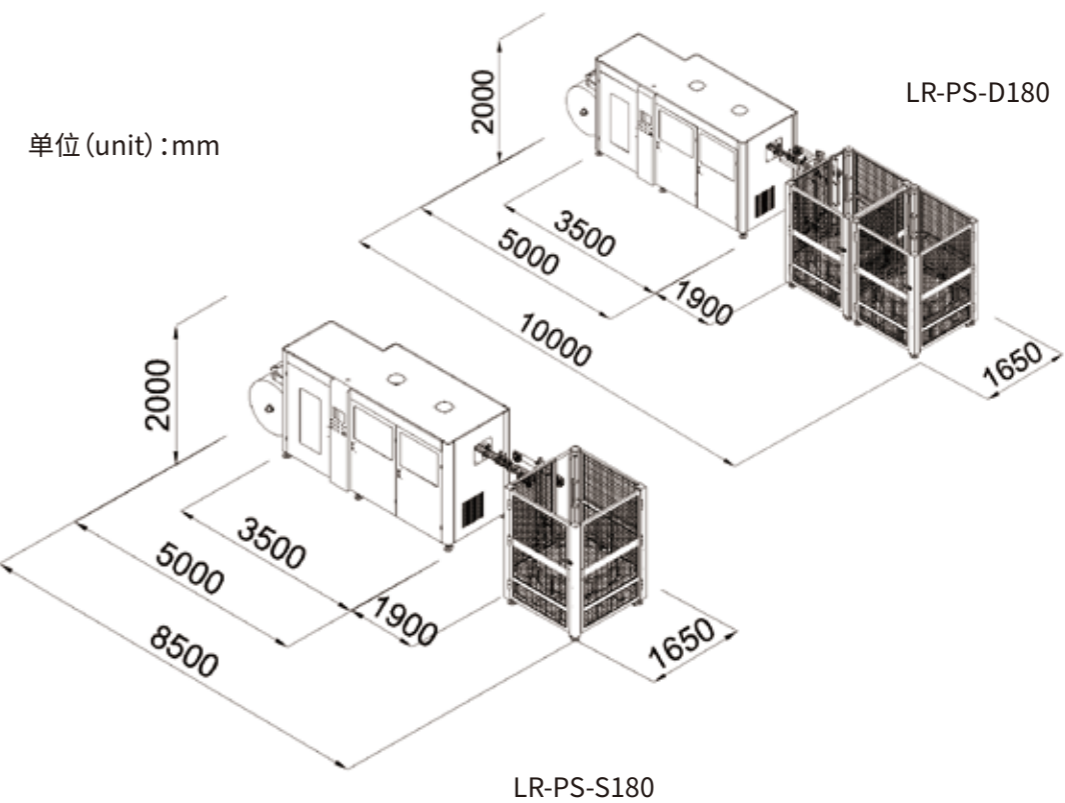


可实现床网分区
Available for zoning

性能 character	型号 model	LR-PS-S180	LR-PS-D180
生产效率		180只/分钟	
Production capacity		180 springs/min.	
绕簧机		数控绕簧机头/双线数控绕簧机头	
Coiling head		Single wire servo coiling head/ Double wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型: 直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.3m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流/Input current	60A	65A
	输入电缆/Cable section	3*16mm ² +2*10mm ²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.4000Kg	约/Approx.5000Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~90g/m ²
布料宽度/Fabric width	260-680mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.3-2.3mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg

适用弹簧规格(毫米) Applicable spring specifications(mm)			
	钢丝直径(W) Wire Diameter	弹簧中腰直径(D) Spring Waist Diameter	弹簧入袋后高度(H) Pocket Spring Height
Option-01	Φ 1.6~2.3	Φ 48~75	80~250
Option-02	Φ 1.3~1.9	Φ 38~65	60~220



LR-PS-S180

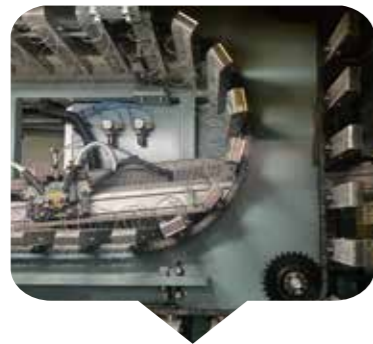
LR-PS-D180

单位 (unit) : mm



专利产品
Patented Product

弹簧预压缩度超过100%,使床网更低成本,更轻量化
Spring pre-compression ratio exceeds 100%
Lower cost and lighter weight for the spring unit



专利超高弹簧预压技术
Patented ultra-high spring pre-compression technology

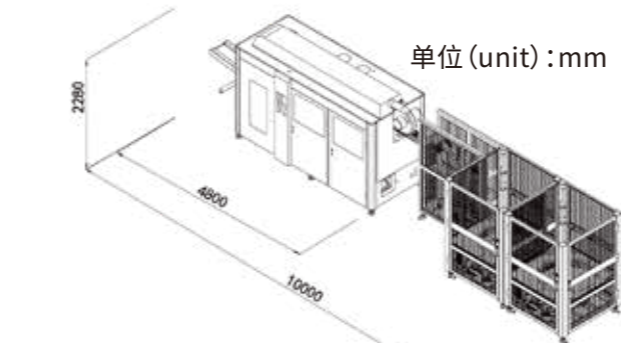


相同的钢丝线径,更强的弹簧支撑力
达到减低材料及运输成本的目的
Same wire diameter, stronger spring support
to reduce the cost of materials and transportation

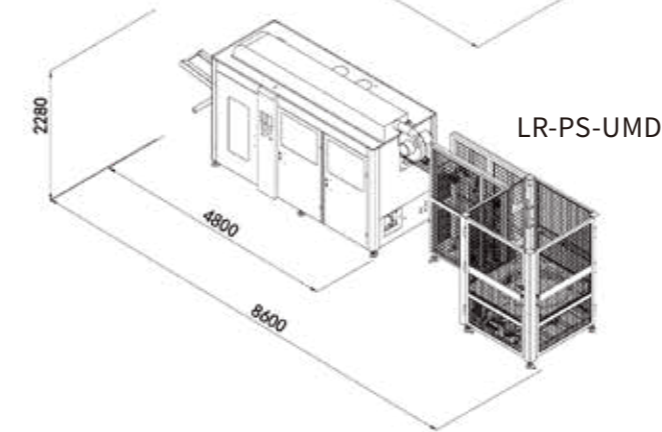


独创的高压缩比技术,高压缩、高回弹
用更小的成本达到同样的硬度产品
Unique high compression ratio with high elasticity
achieve the same hardness product at a lower cost

性能 character	型号 model	LR-PS-UMS	LR-PS-UMD
生产效率		160只/分钟	
Production capacity		160 springs/min.	
绕簧机		数控绕簧机头	
Coiling head		Single wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型:直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.23m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流/Input current	60A	65A
	输入电缆/Cable section	3*16mm ² +2*10mm ²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.4000Kg	约/Approx.5000Kg



单位 (unit) : mm



LR-PS-UMS

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	70~90/m ²
布料宽度/Fabric width	370-680mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.6-2.1mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg

适用弹簧规格(毫米) Applicable spring specifications(mm)		
弹簧入袋前高度/Original height of spring	160-360	
最大压缩比/Maximum compression ratio	66%	
钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ 1.6~2.1	Φ 55~75	120~250

节省成本案例说明/Case illustration of cost saving

线径1.7mm的高压缩比袋装弹簧 High compression spring in 1.7mm	线径1.9mm的常规袋装弹簧 Conventional spring in 1.9mm
单个弹簧重量/ Single spring weight 19.73g	单个弹簧重量/ Single spring weight 24.34g

压力值均为/ The pressure value both are
6.51kg(0.651MPa)
每个弹簧节约的重量 / The weight saved per spring
24-19>4g

床网尺寸/ The size of spring unit
2000x1500mm
床网排列及弹簧个数/ Spring count 32x23=736 springs
每张床网节约的钢丝重量/ The wire weight saved per spring unit
4x736=2944g≈3kg

每张床网节约的成本/ The cost saved per spring unit
¥6.5/kgx3kg=¥19.5 // \$0.93/kgx3kg=\$2.79

按每天500张床网的产能可节约/Total saving per day
¥19.5x500=¥9750 // \$2.79x500=\$1395

高密度床垫袋装弹簧生产机



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Patented Product

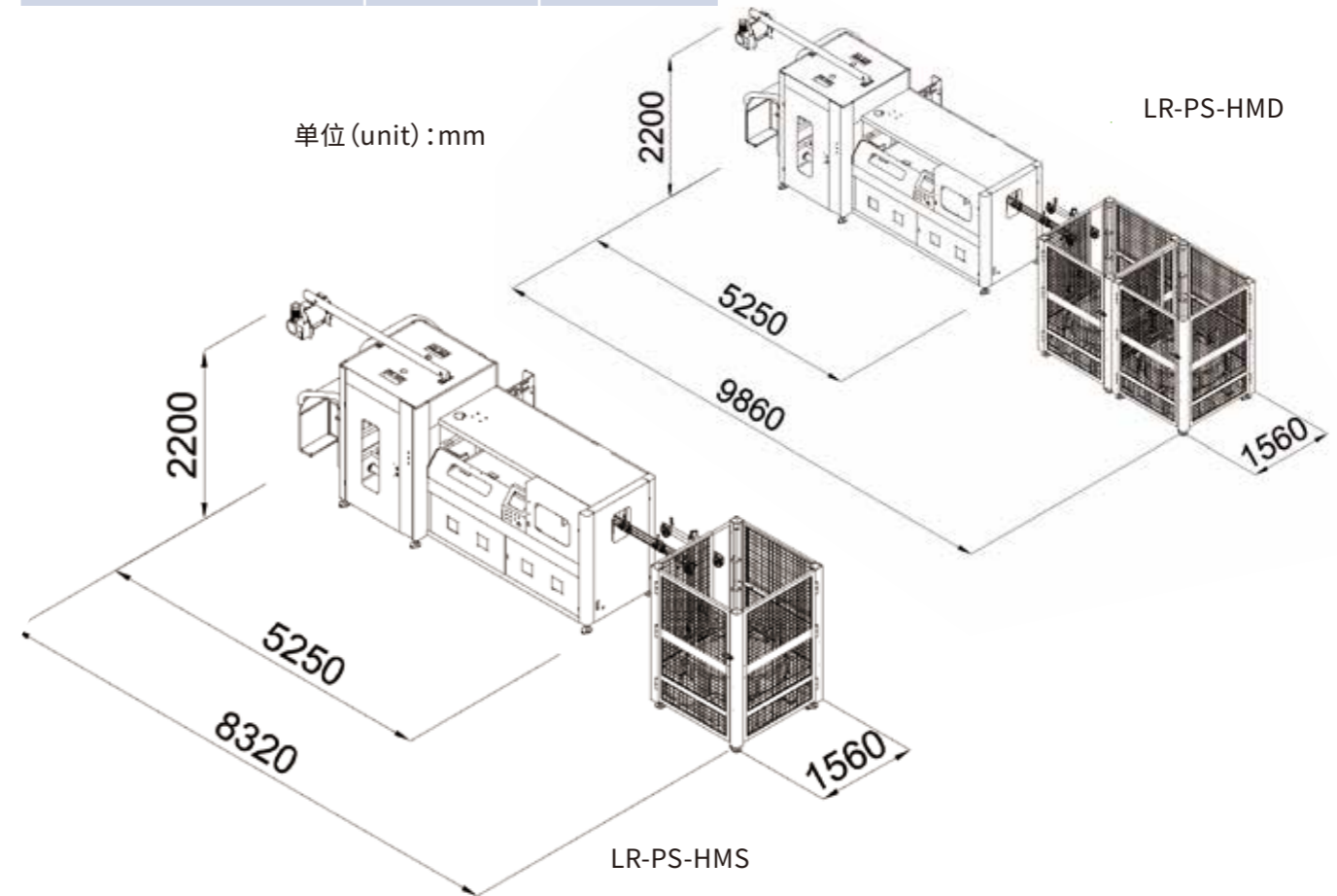
超高腰比, 3~4千只弹簧的高密度床垫专用设备
Ultra-high waist ratio, specialized machine for high density mattress with 3~4K springs



性能 character	型号 model	LR-PS-HMS	LR-PS-HMD
生产效率		100只/分钟	
Production capacity		100 springs/min.	
绕簧机		数控绕簧机头/双线数控绕簧机头	
Coiling head		Single wire servo coiling head/ Double wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型:直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.3m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
	输入电流/Input current	60A	65A
Power requirements	输入电缆/Cable section	3*16mm ² +2*10mm ²	
	工作温度/Working temperature	+5°C~+35°C	
重量/Weight		约/Approx.4000Kg	约/Approx.5000Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~90g/m ²
布料宽度/Fabric width	380-620mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.0-1.4mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg

适用弹簧规格 (毫米) Applicable spring specifications(mm)			
	钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Option-01	Φ 1.0~1.2	Φ 30~42	150~250
Option-02	Φ 1.2~1.4	Φ 36~42	150~250



枕头袋装弹簧生产机



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Patented Product

超微型, 薄垫和枕头专用设备

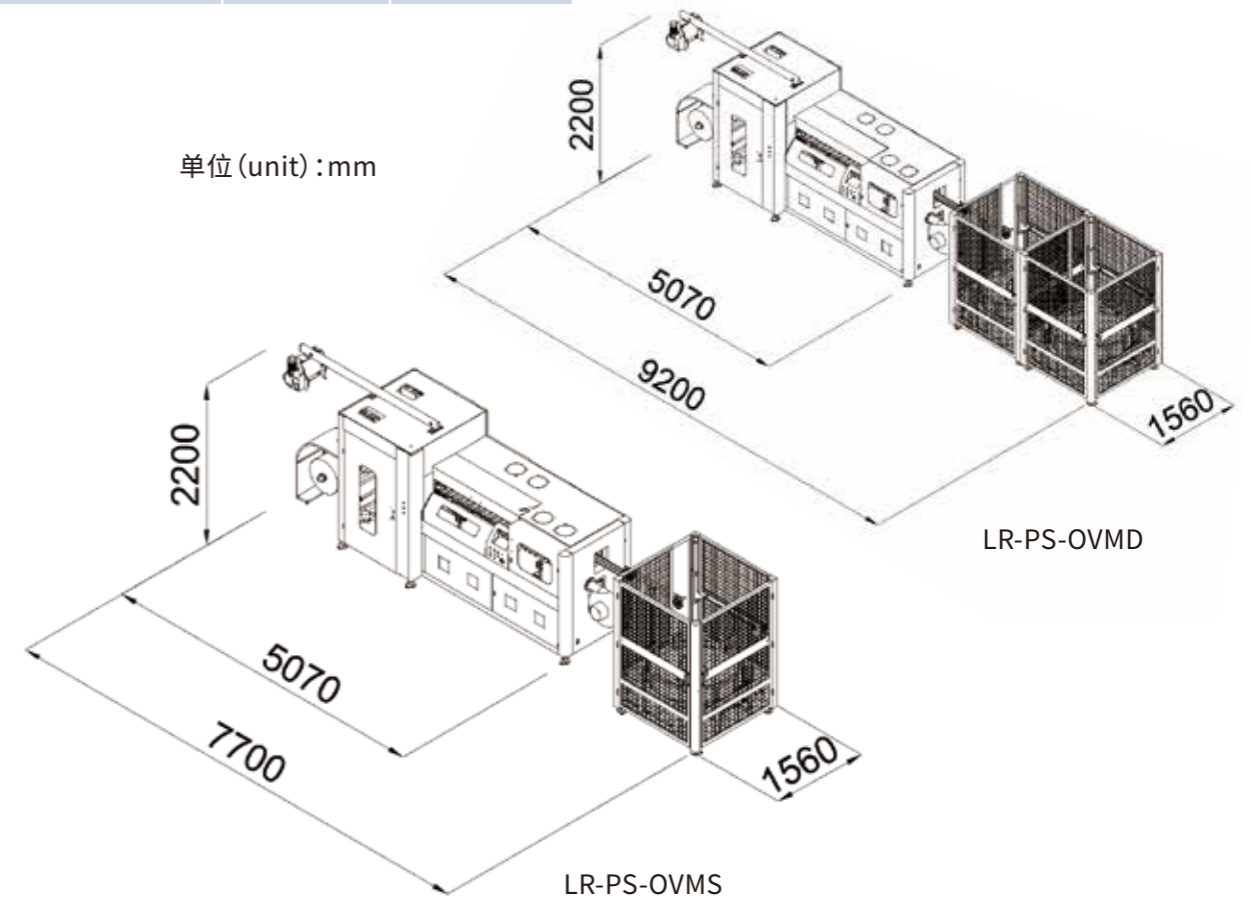
Subminiature, specialized machine for thin pad and pillow



性能 character	型号 model	LR-PS-OVMS	LR-PS-OVMD
生产效率		120只/分钟	
Production capacity		120 springs/min.	
绕簧机		数控绕簧机头/双线数控绕簧机头	
Coiling head		Single wire servo coiling head/ Double wire servo coiling head	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型: 直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.2m ³ /min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		40KW	43KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流/Input current	60A	65A
	输入电缆/Cable section	3*16mm ² +2*10mm ²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.4000Kg	约/Approx.5000Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~90g/m ²
布料宽度/Fabric width	170-420mm
布辊内径/Inner dia. of fabric roll	75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.0-1.4mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.600Kg

适用弹簧规格 (毫米) Applicable spring specifications(mm)			
	钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Option-01	Φ 1.0~1.2	Φ 30~42	40~130
Option-02	Φ 1.3~1.4	Φ 36~45	40~140



复合舒适层袋装弹簧生产机(云朵)



专利产品
Patented Product

创新性的床芯结构
可(部分)替代现有舒适层结构,也可适用于电动床
Innovative spring core structure,
being replacement for existing comfort layer,
also available for adjustable bed



- 舒适层与袋装弹簧一次成型, 缩短生产线长度
Comfort layer and pocket spring produced in one time,
shorter production line
- 可生产不同形态的袋装弹簧
Available for different kinds of pocket springs

性能 character	型号 model	LR-PS-CL
生产效率		80只/分钟
Production capacity		80 springs/min.
绕簧机		数控绕簧机头
Coiling head		Single wire servo coiling head
控制原理		总线控制
Working principle		Servo control
弹簧形状		C型, Y型, 橄榄型
Spring shape		C shape, Y shape, Olive shape
气源需求/Air consumption		0.65m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		48KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input current	75A
	输入电缆/Cable section	3*25mm ² +2*16mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx.5500Kg

耗材参数/Consumption Material Data			
无纺布 /Non-woven fabric			
布料厚度/Fabric density	65~75g/m ²		
布料宽度/Fabric width	700~760mm		
布辊内径/Inner dia. of fabric roll	75mm		
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm		
钢丝/Steel wire			
钢丝直径/Wire diameter	1.5-2.2mm		
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm		
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm		
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg		
舒适层海绵尺寸/ Foam size of layer			
海绵尺寸/ Foam size	50+50mm		
适用弹簧规格(毫米) Applicable spring specifications(mm)			
	钢丝直径(W) Wire Diameter	弹簧中腰直径(D) Spring Waist Diameter	总高度(H) Height
Option-01	Φ 1.5~1.8	Φ 60~65	200
Option-02	Φ 1.8~2.2	Φ 65~70	220



LR-PSA-109P

袋装弹簧床网六面组装一体机



专利产品
Patented Product

可实现袋装弹簧海绵盒子床垫一体化生产

Available for the integrated production of foam box pocket spring mattress

性能 character	型号 model	LR-PSA-109P
生产效率		18-19排/分钟
Production capacity		18-19 strings/min.
热熔胶系统		美国诺信或瑞士乐佰得
Hot melt application system		Nordson (USA) or Robatech (Switzerland)
胶箱容量		30kg+18kg
Capacity of glue tank		30kg+18kg
喷胶方式		点喷;连续喷;与万能节约模式
Gluing method		Spot spray, continuous spray and general economic mode
是否可以粘连沙发包		可以
Possibility of assembling sofa core		Available
是否可以粘连分区床垫		可以
Possibility of assembling zoning mattress		Available
气源需求/Air consumption		0.3m ³ /min.
工作气压/Air pressure		0.6~0.7mpa
总功率/Power consumption in total		25KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	40A
	输入电缆 /Cable section	3*10mm ² +2*6mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 10000Kg

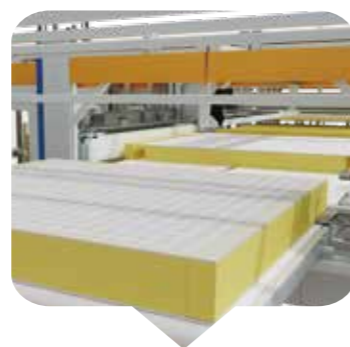
耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~80g/m
布料宽度/Fabric width	450-2200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.600mm
海绵条/Foam strip	
海绵条厚度/Foam strip thickness	60~100mm
海绵条高度/Foam strip height	80~250mm
海绵条长度/Foam strip length	1000-2200mm
PK海绵卷/ PK material roll	
PK棉卷宽度/PK material roll width	最大/Max.2200mm
PK棉卷内径/PK material roll inner dia.	最小/Min.60mm
PK棉卷外径/PK material roll outer dia.	最大/Max.600mm
热熔胶/Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125°C---6100 cps
	150°C---2300 cps
	175°C---1100 cps
软化点 /Softening point	85±5°C
适用弹簧规格 (毫米) Applicable spring specifications(mm)	
弹簧中腰直径 (D) Pocket Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ37~75	80~250



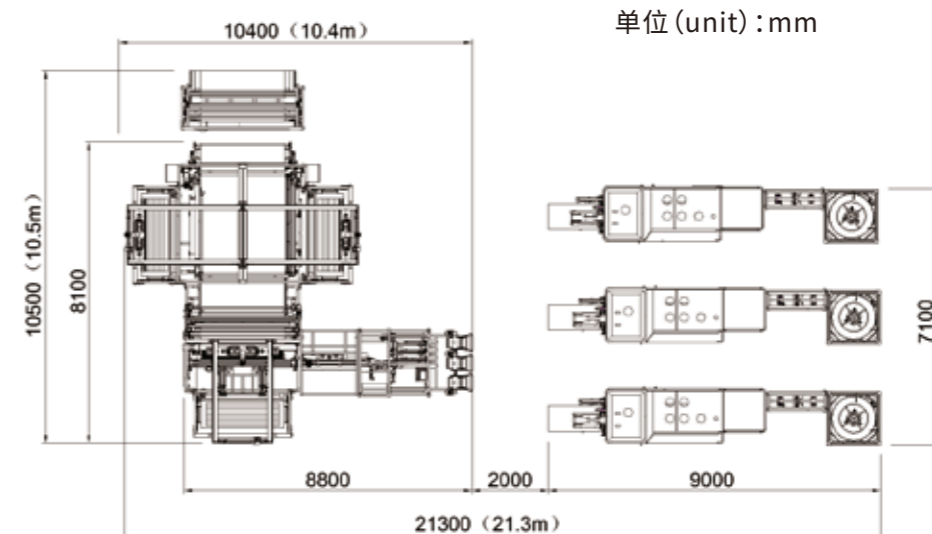
弹簧条输入通道
Input channel of spring strips



海绵条储存架
Storage rack for foam strips



四侧海绵条+上下面 (PK棉) 自动组装
Automatic assembly for four-side foam strips plus top & bottom PK material

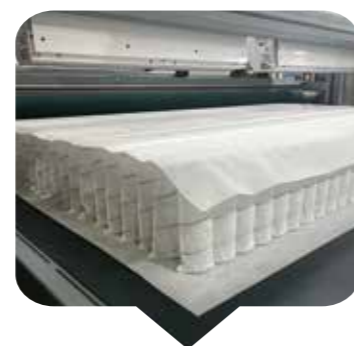


超高速袋装弹簧粘胶机



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Patented Product

双排入料, 速度翻倍, 每分钟30排以上
Double input, higher efficiency, over 30 rows per min

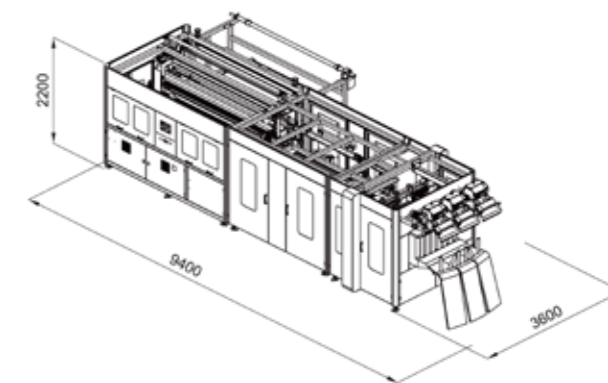


- 1050只/分钟
1050 springs/min.
- 专利双入料系统
Patented system for double input
- 可选装电柜恒温箱
Thermostat of electric cabinet optional

性能 character	型号 model	LR-PSA-99EX
生产效率		1050只/分钟
Production capacity		1050 springs/min.
热熔胶系统		美国诺信或瑞士乐佰得
Hot melt application system		Nordson (the USA) or Robatech (Switzerland)
胶箱容量		15kg/18kg/30kg
Capacity of glue tank		15kg/18kg/30kg
喷胶方式		点喷与连续喷均可
Gluing method		Continuous gluing mode/ interrupted gluing mode
上平台升降控制		电动
Control of assembling platform		Electronic control
是否可以粘连沙发包		可以
Possibility of assembling sofa core		Possible
是否可以粘连分区床垫		可以
Possibility of assembling zoning mattress		Possible
气源需求/Air consumption		0.15 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		17KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	30A
	输入电缆 /Cable section	3*10 mm ² +2*6 mm ²
工作温度/Working temperature		+5°C--+35°C
重量/Weight		约/Approx. 4900 Kg

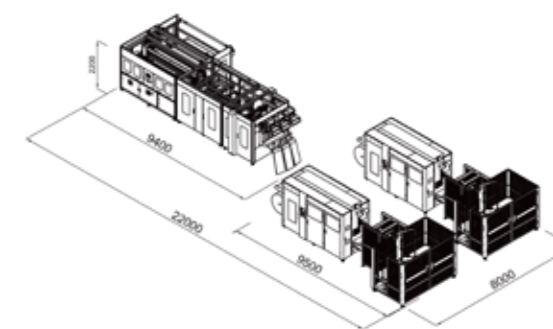
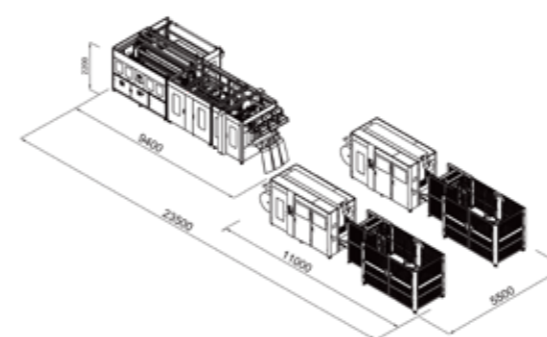
耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65-80g/m ²
布料宽度/Fabric width	450-2200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.600mm
热熔胶 /Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125°C--6100cps
	150°C--2300cps
	175°C--1100cps
软化点 /Softening point	85±5°C

适用弹簧规格(毫米) Applicable spring specifications(mm)	
弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ37-75	55-280



LR-PSA-99EX

单位 (unit) : mm



高速袋装弹簧粘胶机



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高速、稳定、易操作!
High speed / stable / easy operation



700只/分钟
700 springs/min.

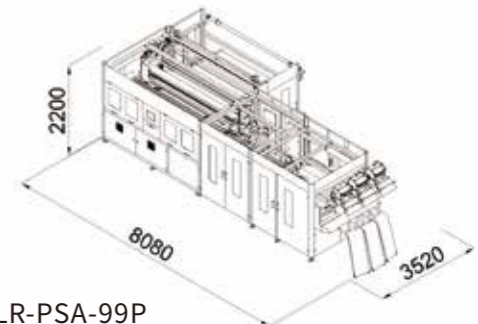
符合CE标准
Conforming to CE standard

可选装电柜恒温箱
Thermostat of electric cabinet optional

性能 character	型号 model	LR-PSA-99P
生产效率		最高 700只/分钟
Production capacity		Max. 700 springs/min.
热熔胶系统		美国诺信或瑞士乐佰得
Hot melt application system		Nordson (USA) or Robatech (Switzerland)
胶箱容量		30kg
Capacity of glue tank		30kg
喷胶方式		点喷;连续喷;与万能节约模式
Gluing method		Spot spray, continuous spray and general economic mode
是否可以粘连沙发包		可以
Possibility of assembling sofa core		Available
是否可以粘连分区床垫		可以
Possibility of assembling zoning mattress		Available
气源需求/Air consumption		0.15 m ³ /min.
工作气压/Air pressure		0.6~0.7 mpa
总功率/Power consumption in total		15KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	25A
	输入电缆 /Cable section	3*10 mm ² + 2*6 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 4800Kg

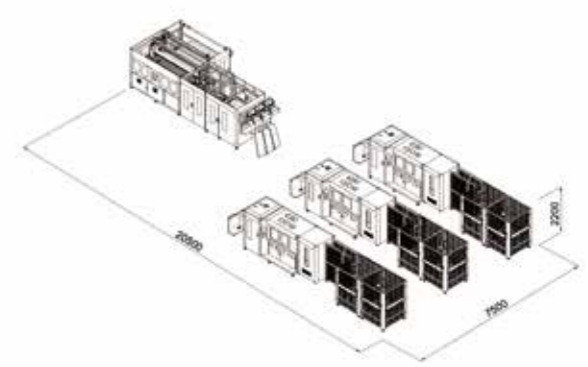
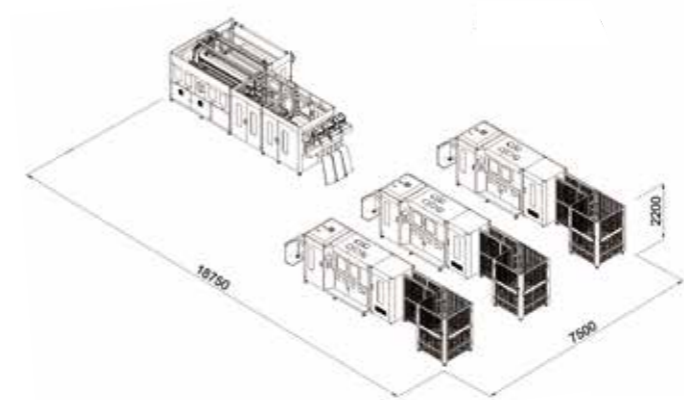
耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	55~80g/m ²
布料宽度/Fabric width	450-2200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.600mm
热熔胶 /Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125°C---6100 cps
	150°C---2300 cps
	175°C---1100 cps
软化点 /Softening point	85±5°C

适用弹簧规格 (毫米) Applicable spring specifications(mm)	
弹簧中腰直径 (D) Pocket Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ37~75	55~250



LR-PSA-99P

单位 (unit) :mm



手自一体袋装弹簧粘胶机

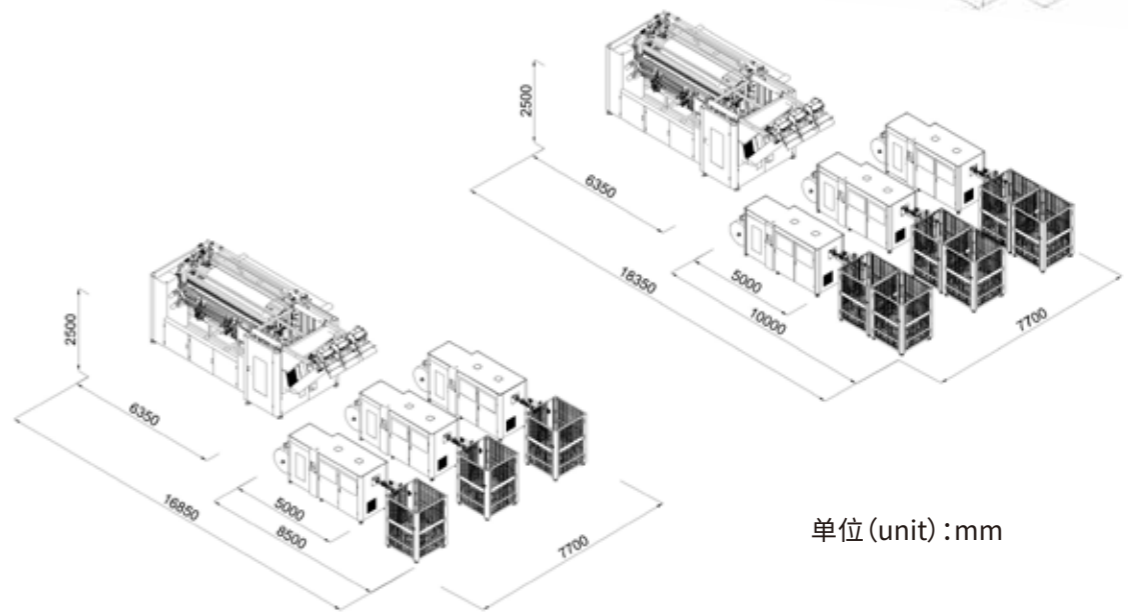
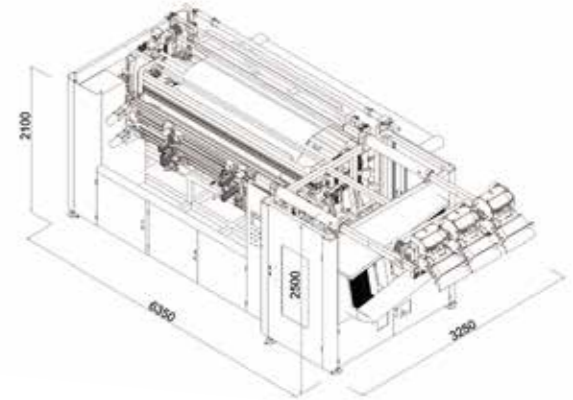


专利产品
Patented Product

性能 character	型号 model	LR-PSA-97P
生产效率		最高550只/分钟
Production capacity		Max.550 springs/min.
热熔胶系统		美国诺信或瑞士乐佰得
Hot melt application system		Nordson (USA) or Robatech (Switzerland)
胶箱容量		18kg
Capacity of glue tank		18kg
喷胶方式		点喷;连续喷;与万能节约模式
Gluing method		Spot spray, continuous spray and general economic mode
是否可以粘连分区弹簧条		可以
Possibility of assembling zoned tape		Available
是否可以粘连分区床垫		可以
Possibility of assembling zoning mattress		Available
气源需求/Air consumption		约/Approx. 0.3 m ³ /min.
工作气压/Air pressure		0.6~0.7 mpa
总功率/Power consumption in total		13KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	25A
	输入电缆 /Cable section	3*10 mm ² + 2*6 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 4300Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~80g/m ²
布料宽度/Fabric width	450-2200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.600mm
热熔胶 /Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125°C---6100 cps
	150°C---2300 cps
	175°C---1100 cps
软化点 /Softening point	85±5°C

适用弹簧规格(毫米) Applicable spring specifications(mm)	
弹簧中腰直径 (D) Pocket Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ37~75	55~250



单位 (unit) : mm

高效智能, 控制界面简单易操作, 集半自动与全自动模式为一体
Efficient and intelligent, easy to operate for the control interface ,
integration of semi-automatic and full-automatic modes

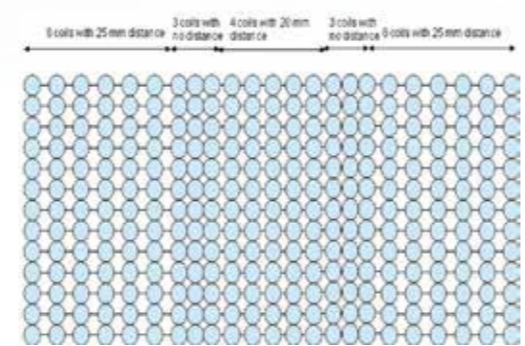


- 机身更短占地空间更少
Shorter in length and less floor space
- 550只/分钟
550 springs per minute
- 可切换人工放置弹簧条功能
Available for placing spring strips manually

半自动袋装弹簧粘胶机



5-6排/分钟
5-6 strips/min.



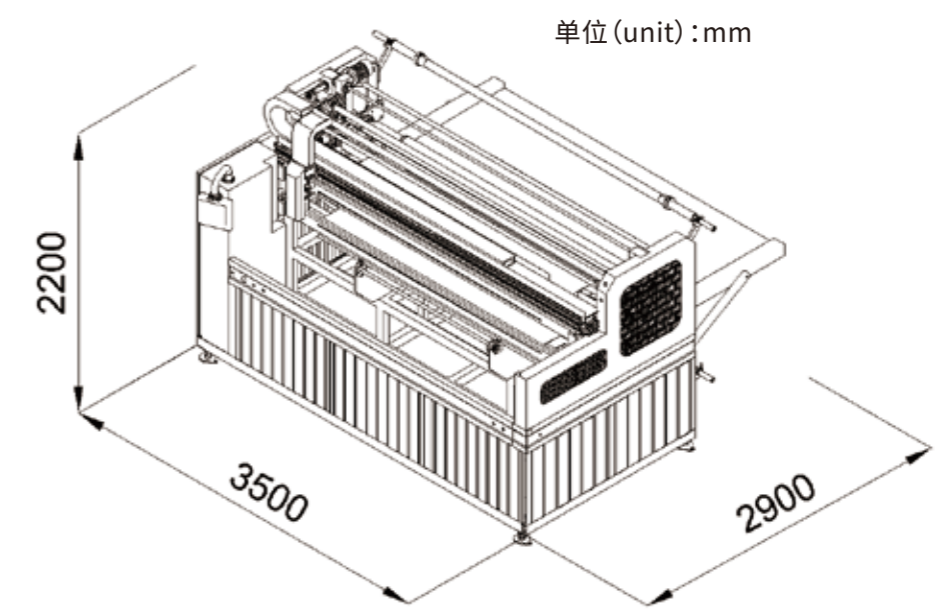
性能 character	型号 model	LR-PSA-75P
生产效率		5-6排/分钟
Production capacity		5-6 strings/min.
热熔胶系统		美国诺信或瑞士乐佰得
Hot melt application system		Nordson (the USA) or Robatech (Switzerland)
胶箱容量		7kg
Capacity of glue tank		7kg
喷胶方式		点喷与连续喷均可
Gluing method		Continuous gluing mode/ interrupted gluing mode
上平台升降控制		电动
Control of assembling platform		Electronic control
是否可以粘连分区弹簧条		可以
Possibility of assembling zoned tape		Possible
是否可以粘连分区床垫		可以
Possibility of assembling zoning mattress		Possible
操作应用		必须人工放置弹簧条
Operation and Application		Feed the pocket spring strings manually
气源需求/Air consumption		0.1m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		6.5KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	12A
	输入电缆 /Cable section	3*6 mm ² +2*4 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 2600 Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~80g/m ²
布料宽度/Fabric width	450-2200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.600mm
热熔胶 /Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125°C--610cps 150°C--2300cps 175°C--1100cps
软化点 /Softening point	85±5°C

适用弹簧规格(毫米) Applicable spring specifications(mm)		
	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Option-01	Φ45-75	100-300
Option-02	Φ30-75	60-240



电动上下布裁切装置
Electronic control cutting device for the top&bottom fabric
可独立开关的喷胶头
Independent hot melt jets
电动粘胶平台升降装置
Electronic control assembling platform for pocket spring units



LR-PSLINE-DL

袋装弹簧生产线 (双层簧)



自带舒适层, 定制化床网专用设备
With comfort layer, specialized machine for customized spring cores



专利产品
Patented Product

120对/分钟
120 pairs/min.



符合CE标准
Conforming to CE standard

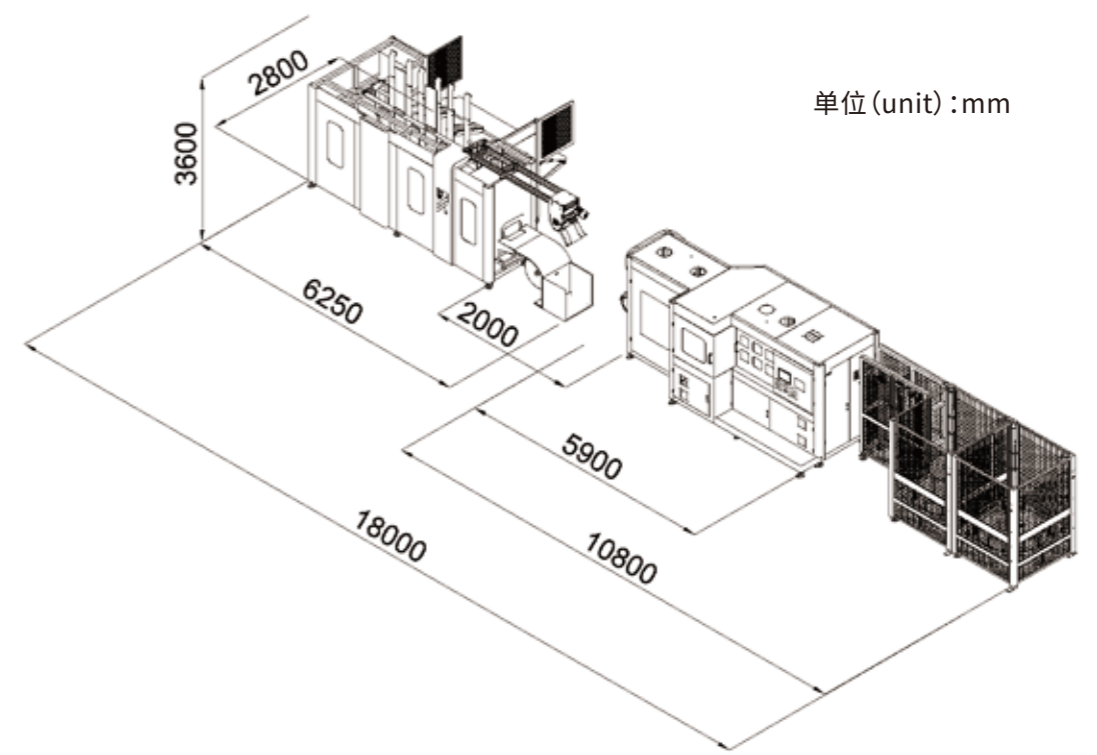


创新的压力曲线分布
Unique curve structure of pressure

性能 character	型号 model	LR-PSLINE-DL
生产效率		120对/分钟
Production capacity		120 pairs/min.
绕簧机		2个数控绕簧机头
Coiling head		Two servo coiling heads
控制原理		总线控制
Working principle		Servo control
弹簧形状		标配机型: 直筒型和鼓型
Spring shape		Standard versions: barrel and cylindrical;
热熔胶系统		瑞士乐百得
Hot melt application system		Robatech (Switzerland)
胶箱容量		8kg
Capacity of glue tank		8kg
喷胶方式		点喷与连续喷均可
Gluing method		Continuous gluing mode/ interrupted gluing mode
气源需求/Air consumption		0.5m ³ + 0.1m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		55KW+8KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流 /Input current	90A+16A
	输入电缆 /Cable section	3*35 mm ² +2*16 mm ² 3*6 mm ² +2*4 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 9000 Kg

耗材参数 /Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	65~90g/m ²
布料宽度/Fabric width	520-740mm
布辊内径/Inner dia. of fabric roll	最小/Min.75mm
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm
钢丝/Steel wire	
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000Kg
热熔胶 /Hot melt glue	
胶粒形状/Shape	粒状或片状 pellet or pieces
黏度 /Viscosity	125C---6100cps
	150C---2300cps
	175C---1100cps
软化点 /Softening point	85±5°C

适用弹簧规格 (毫米) Applicable spring specifications(mm)					
	钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	上层 最小入袋后高 Min. pocketed height of top layer	下层 最小入袋后高 Min. pocketed height of bottom layer	弹簧入袋后高度 (H) Pocket Spring Height
Option-01	Φ1.3-1.6	Φ42-52	60	80	180-230
Option-02	Φ1.5-2.1	Φ52-65	65	80	180-230



LR-PSLINE-BOX230

LR-PSLINE-BOX4W

袋装弹簧生产线 (面包簧)



专利产品
Patented Product

面包簧专用设备
Specialized machine for box springs



可选装吊臂, 方便安装布料
Optional crane,
easy for fabric loading



符合CE标准
Conforming to CE standard



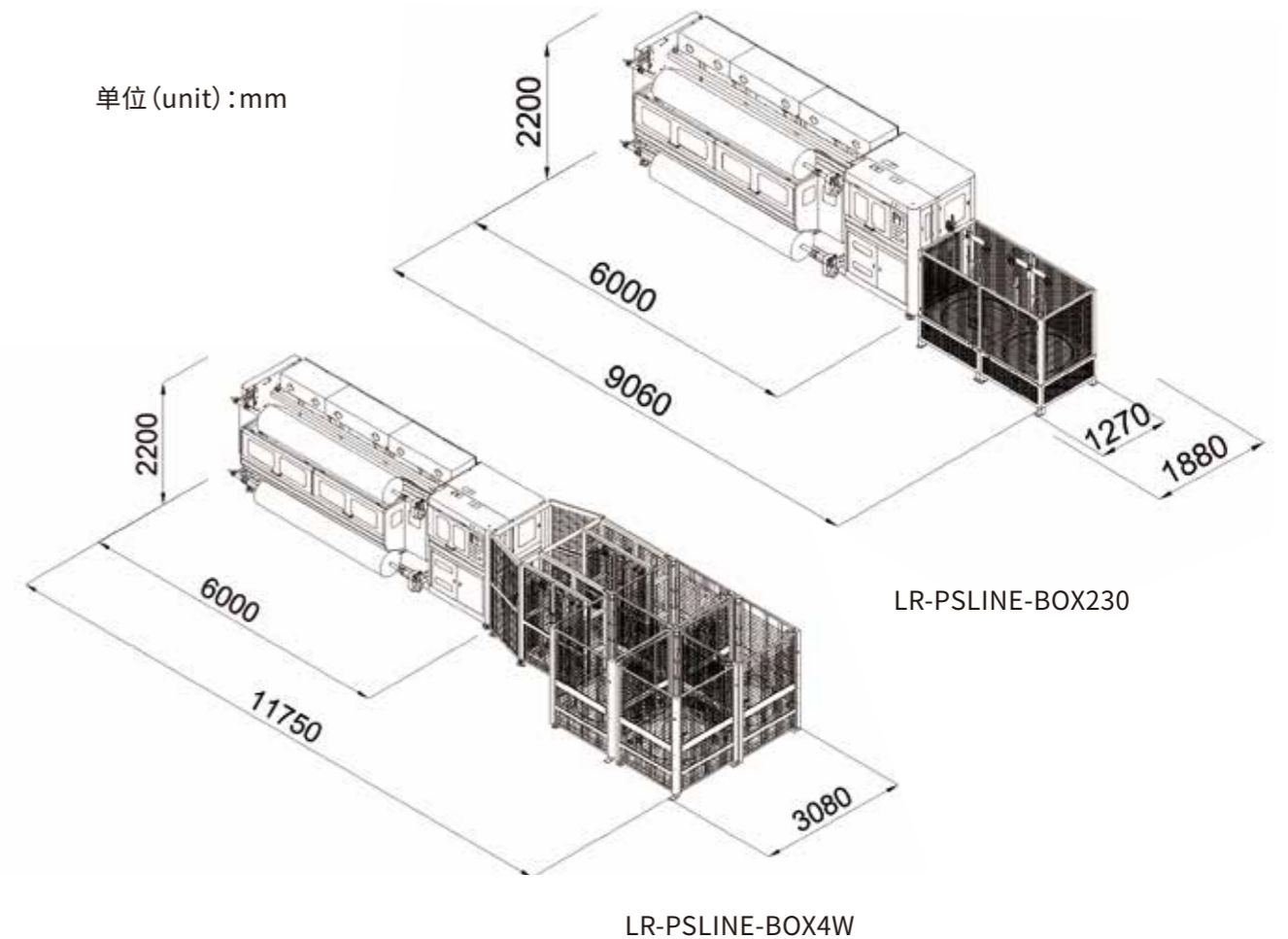
整体组合式微型弹簧垫
Box spring pad

性能 character	型号 model	LR-PSLINE-BOX230	LR-PSLINE-BOX4W
最高生产效率		230只/分钟	
Max. production capacity		230 springs/min.	
控制原理		总线控制	
Working principle		Servo control	
弹簧形状		标配机型: 直筒型和鼓型	
Spring shape		Standard versions: barrel and cylindrical	
气源需求/Air consumption		0.4 m³/min.	
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		18 KW	20 KW
输入电源需求	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
Power requirements	输入电流 /Input current	35A	38A
	输入电缆/Cable section	3*16 mm²+2*10 mm²	
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx.8000Kg	约/Approx.9000Kg

耗材参数/Consumption Material Data	
无纺布 /Non-woven fabric	
布料厚度/Fabric density	55~80g/m²
布料宽度/Fabric width	2000-3200mm
布辊内径/Inner dia. of fabric roll	最小/Min.60mm
布辊外径/Outer dia. of fabric roll	最大/Max.500mm
钢丝/Steel wire	
钢丝直径/Wire diameter	1.0-1.5mm
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm
钢丝卷重量/Acceptable weight of wire roll	最大/Max.800Kg

适用弹簧规格 (毫米) Applicable spring specifications(mm)			
	钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
标准尺寸 Standard	Φ1.0-1.1	Φ30	20+/-2
	Φ1.2-1.4	Φ35	25+/-2
	Φ1.3-1.5	Φ45	35+/-2

单位 (unit) :mm



LR-PSLINE-BOX230

LR-PSLINE-BOX4W

无胶袋装弹簧床网生产线



专利产品
Patented Product

性能 character	型号 model	LR-PSA-GLL
生产效率		120-160只/分钟
Production capacity		120-160 springs/min.
绕簧机		1个双线数控绕簧机头
Coiling head		Double wires coiling head
控制原理		总线控制
Working principle		Servo control
弹簧形状		标配机型:直筒型和鼓型
Spring shape		Standard versions:barreland cylindrical
气源需求/Air consumption		约/Approx.0.33m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		约/Approx.51KW
输入电源需求 Power requirements	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
	输入电流/Input current	71A
	输入电缆/Cable section	3*16mm ² +2*10mm ² 3*6mm ² +2*4mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx.11000Kg

耗材参数/Consumption Material Data		
无纺布 /Non-woven fabric		
布料厚度/Fabric density	65~90g/m	
布料宽度/Fabric width	360-680mm	
布辊内径/Inner dia. of fabric roll	最小/Min.75mm	
布辊外径/Outer dia. of fabric roll	最大/Max.1000mm	
钢丝/Steel wire		
钢丝直径/Wire diameter	1.6-2.3mm	
钢丝卷内径/Inner dia. of wire roll	最小/Min.320mm	
钢丝卷外径/Outer dia. of wire roll	最大/Max.1000mm	
钢丝卷重量/Acceptable weight of wire roll	最大/Max.1000kg	
一般参数/General data		
床垫宽度/Mattress width	1600-2000mm	
床垫长度/Mattress length	1600-2000mm	
适用弹簧规格(毫米) Applicable spring specifications(mm)		
钢丝直径 (W) Wire Diameter	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Φ1.6-2.3	Φ55-75	120-250

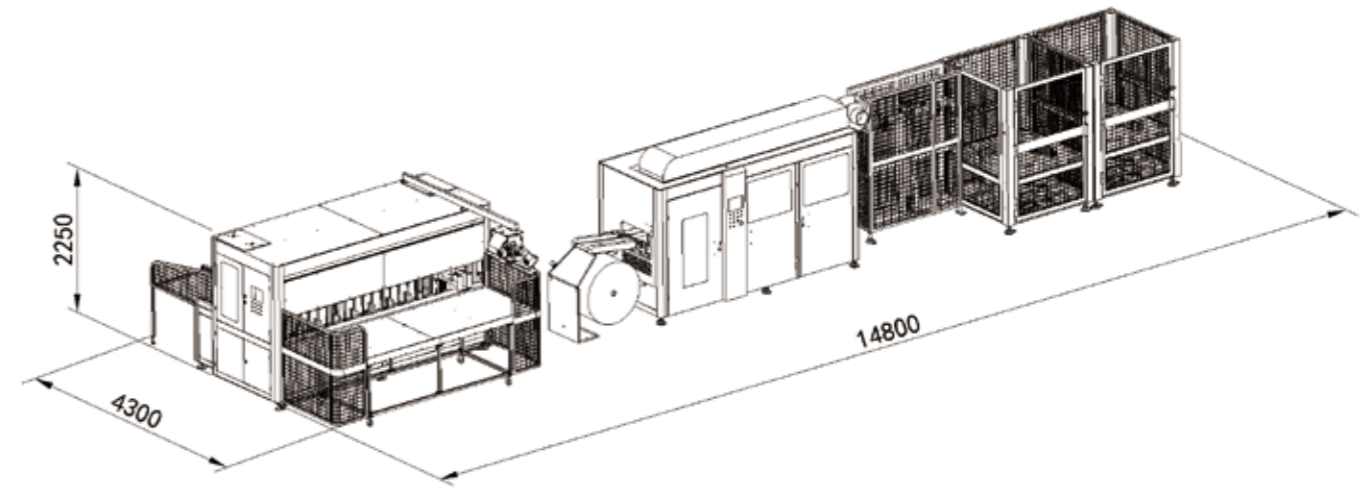
创新四叶草无胶床芯结构, 人体力学及绿色环保设计理念,
有效避免因胶水引起的甲醛问题, 且不易松脱, 床芯的尺寸更稳定

Innovative four-leaf clover non-glued spring unit structure, human mechanics and green design concept,
to effectively avoid formaldehyde problems caused by glue, and not easy to loosen, the size of spring unit more stable



- 可生产分区床网
Available for zoning
- 全超声波焊接, 床网结构比热焊接更可靠
Full-ultrasonic welding,
the structure of spring unit is more solid than by hot welding
- 四叶草结构使床芯支撑力更稳定
Making the spring unit support more stable

单位 (unit) : mm



全自动床垫卷压包装机



专利产品
Patented Product

行业内占地尺寸最小，性能领先，适用于多次折叠、压缩包装
Minimum space occupation, leading performance
Available for multiple folding and compression

性能 character	型号 model	LR-KPLINE-27P
适用产品	袋装弹簧床垫(无边框) 海绵垫或乳胶垫	
Application	Pocket spring mattress without border frame, foam mattress, latex mattress	
包装形式	卷包 一张一卷	
Packing method	Roll-packing, one unit in one roll	
包装材料	PE膜或PE袋	
Packing material	PE film or PE bag	
是否压缩	是	
Compressing or not	YES	
压力值/Pressure value	50T	100T
包装效率	25-35秒/张	
Speed	25-35 seconds per unit	
气源需求/Air consumption	2.0 m³/min.	2.0 m³/min.
工作气压/Air pressure	0.6-0.7 mpa	
总功率/Power consumption in total	32KW	37KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	50A 60A
	输入电缆/Cable section	3*16mm²+2*10mm² 3*10mm²+2*6mm²
工作温度/Working temperature	+5°C~+35°C	
重量/Weight	约/Approx. 16000Kg	

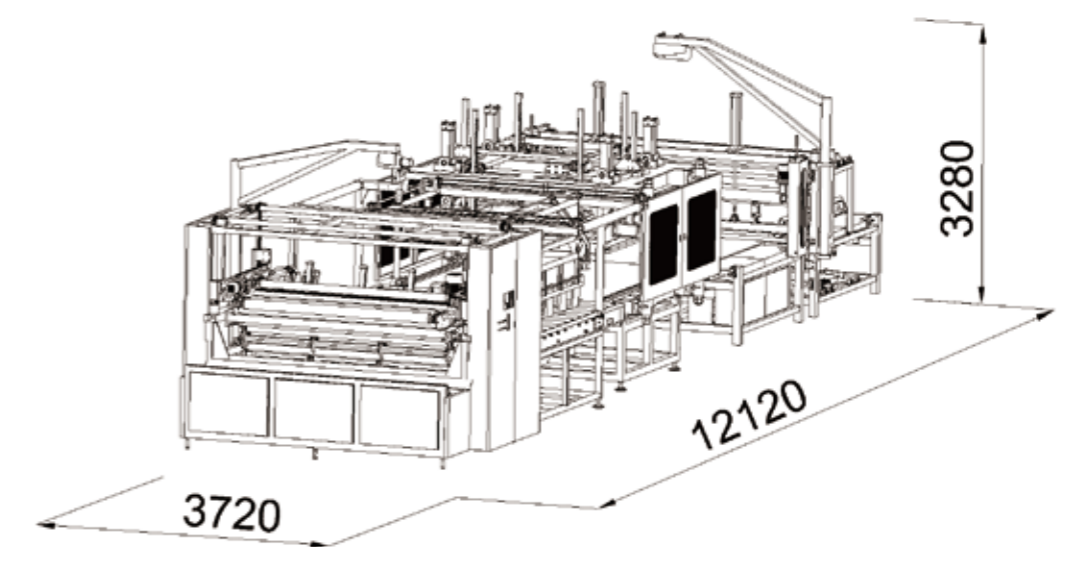
LR-KPLINE-27P	
耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	0.1~0.15mm
胶纸卷内径/Inner dia. of packing material	最小/Min.70mm
胶纸卷外径/Outer dia. of packing material	最大/Max.300mm
胶纸卷宽度/Width of packing material	最大/Max.2800mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	30-400mm
成品卷直径/Diameter of finished roll	220-550mm

单位 (unit) : mm



行业热销产品
Best sale

符合CE标准
Conforming to CE standard



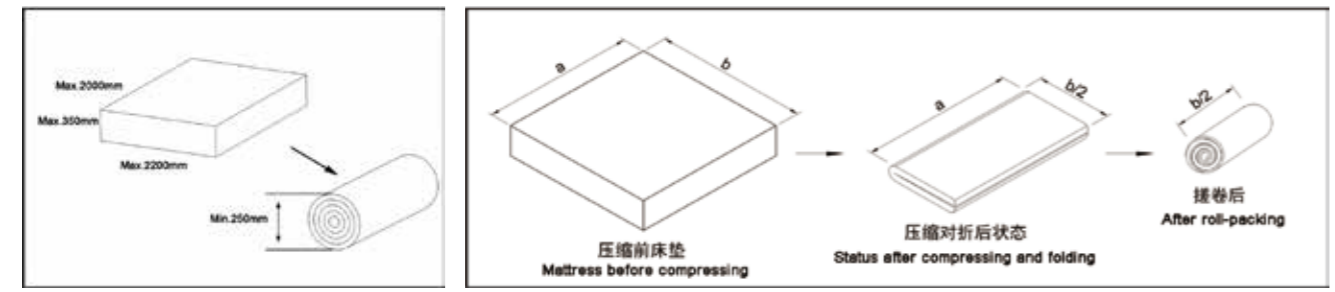
LR-KPLINE-26P
LR-KPLINE-26PRO

全自动床垫卷压包装机



专利产品
Patented Product

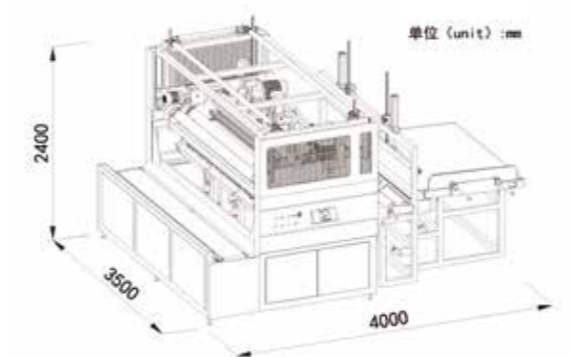
行业内占地尺寸最小，性能领先
Minimum space occupation, leading performance



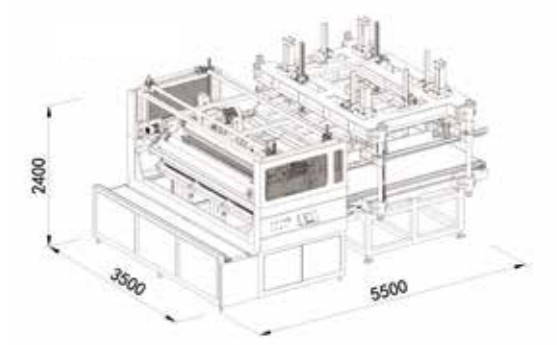
- 日本品牌液压系统
Hydraulic system of Japanese brand
- 符合CE标准
Conforming to CE standard

性能 character	型号 model	LR-KPLINE-26P	LR-KPLINE-26PRO
适用产品 Application		袋装弹簧床垫 (无边框) 海绵垫或乳胶垫 Pocket spring mattress without border frame, foam, mattress, latex mattress	
包装形式 Packing method		卷包 一张一卷 Roll-packing, one unit in one roll	
包装材料 Packing material		PE膜 或 PE袋 PE film or PE bag	
是否压缩 Compressing or not		是 YES	
压力值/Pressure value		50T	100T
包装效率 Speed		25-35 秒/张 25-35 Seconds per unit	
气源需求/Air consumption		2.0m ³ /min.	2.0m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa	
总功率/Power consumption in total		32KW	37KW
输入电源需求 Power requirements	电压/Voltage	3AC 380V	
	频率/Frequency	50/60 Hz	
输入电流/Input current	输入电流/Input current	50A	60A
	输入电缆/Cable section	3*16mm ² +2*10mm ² 3*10mm ² +2*6mm ²	3*16mm ² +2*10mm ² 3*10mm ² +2*6mm ²
工作温度/Working temperature		+5°C~+35°C	
重量/Weight		约/Approx. 15000Kg	约/Approx. 18000Kg

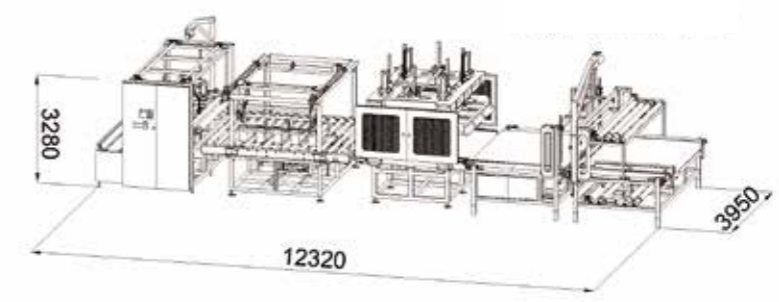
LR-KPLINE-26P/26PRO	
耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	0.1~0.15mm
胶纸卷内径/Inner dia. of packing material	最小/Min. 70mm
胶纸卷外径/Outer dia. of packing material	最大/Max. 300mm
胶纸卷宽度/Width of packing material	最大/Max. 2800mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	60-400mm
成品卷直径/Diameter of finished roll	220-550mm



Roll-packing function
直接卷压功能
单位 (unit) : mm



With compressing and roll-packing function (especially for bonnell mattresses)
带预平压功能，专为打结弹簧床网卷压而设计



With packing, compressing, folding and roll-packing function
带包装、预平压、对折、再卷包功能 (可选装吊臂上料装置)

全自动海绵块卷压包装机



专利产品
Patented Product

适用于大体积海绵卷装包装
Available for bulk foam roll-packing



日本品牌液压系统

Hydraulic system of Japanese brand

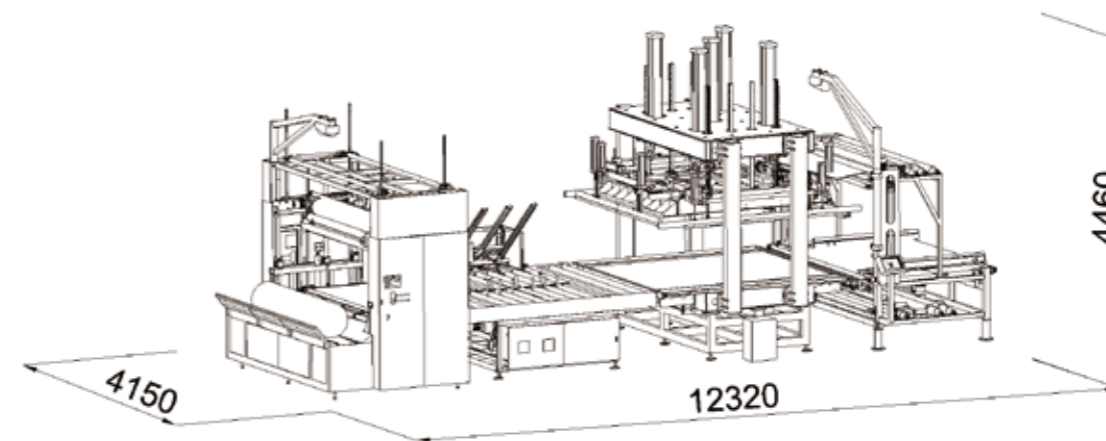
符合CE标准

Conforming to CE standard

性能 character	型号 model	LR-KPLINE-26H
适用产品		多张袋装弹簧床垫(无边框) 多张乳胶垫或海绵块
Application		Multiple pocket spring mattresses without border frame, multiple latex mattresses or foam blocks
包装形式		卷包 一张一卷
Packing method		Roll-packing, one unit in one roll
包装材料		PE膜或PE袋
Packing material		PE film or PE bag
是否压缩		是
Compressing or not		YES
包装效率		45秒/张
Speed		45seconds per unit
气源需求/Air consumption		1.0 m ³ /min. 1.0 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率Power consumption in total		包装部分 ≈ 25 kW 卷包部分 ≈ 12 kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	包装部分 50A 卷包部分 23A
	输入电缆/Cable section	3*16 mm ² +2*10 mm ² 3*10 mm ² +2*6 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 17000Kg

LR-KPLINE-26H	
耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	0.1~0.15mm
胶纸卷内径/Inner dia. of packing material	最小/Min.70mm
胶纸卷外径/Outer dia. of packing material	最大/Max.200mm
胶纸卷宽度/Width of packing material	最大/Max.2350mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	200-1250mm
成品卷直径/Diameter of finished roll	350-700mm

单位 (unit) : mm



全自动床垫二次卷压包装机

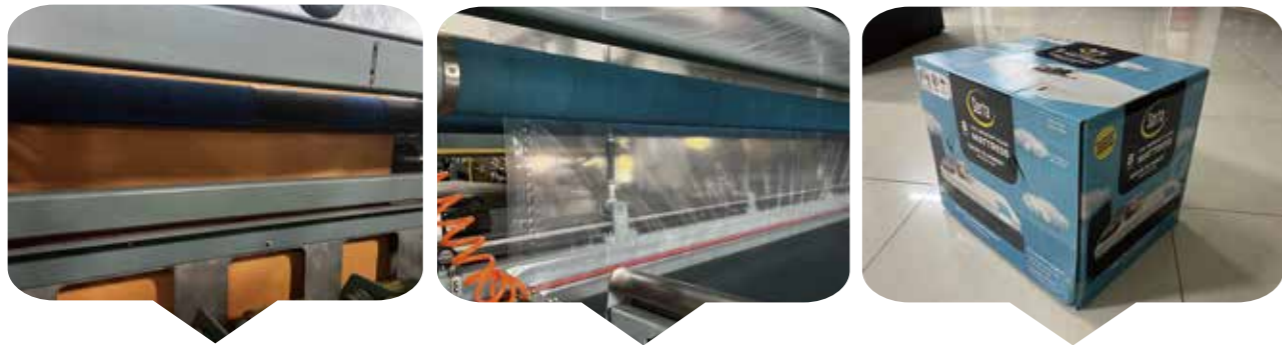


专利产品
Patented Product

性能 character	型号 model	LR-KPLINE-21P
适用产品		袋装弹簧床垫(无边框) 海绵垫或乳胶垫
Application		Pocket spring mattress without border frame, foam mattress, latex mattress
包装形式		卷包 一张一卷
Packing method		Roll-packing, one unit in one roll
包装材料		PE膜或PE袋
Packing material		PE film or PE bag
是否压缩		是
Compressing or not		YES
包装效率		35秒/张
Speed		35 seconds per unit
气源需求/Air consumption		1.0 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		包装部分 ≈ 25 kW 卷包部分 ≈ 30 kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	包装部分 50A 卷包部分 55A
	输入电缆/Cable section	3*16 mm ² +2*10 mm ² 3*16 mm ² +2*10 mm ² <small>卷包部分用两根电源线 2 groups of power cables for roll-packing</small>
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx 12000Kg

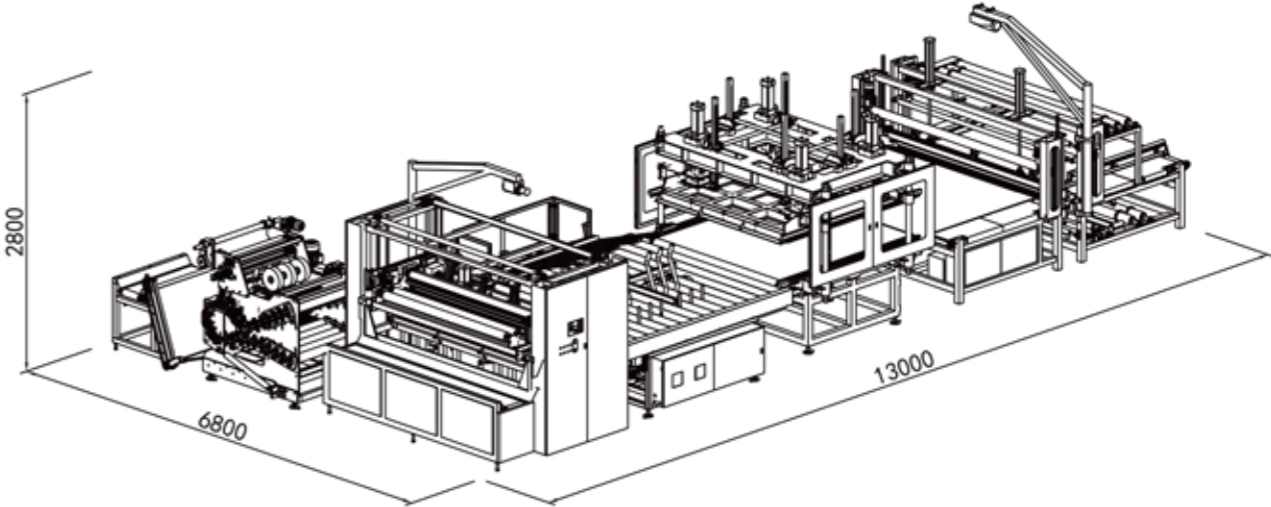
LR-KPLINE-21P	
耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	0.1~0.15mm
胶纸卷内径/Inner dia. of packing material	最小/Min.70mm
胶纸卷外径/Outer dia. of packing material	最大/Max.300mm
胶纸卷宽度/Width of packing material	最大/Max.2700mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	60-400mm
成品卷直径/Diameter of finished roll	220-500mm
二次卷包参数/data of secondary roll-packing	
二次卷包封箱胶宽度/Width of sealing tape	65-85mm
材质/Type	牛皮纸/Kraft paper
二次卷包牛皮纸捆宽度/Width of kraft paper	900mm
二次卷包牛皮纸捆厚度/Thickness of kraft paper	120g/m ²

满足床垫产品的二次卷压要求，进一步缩减产品体积
Available for the secondary rolling and further reducing product volume

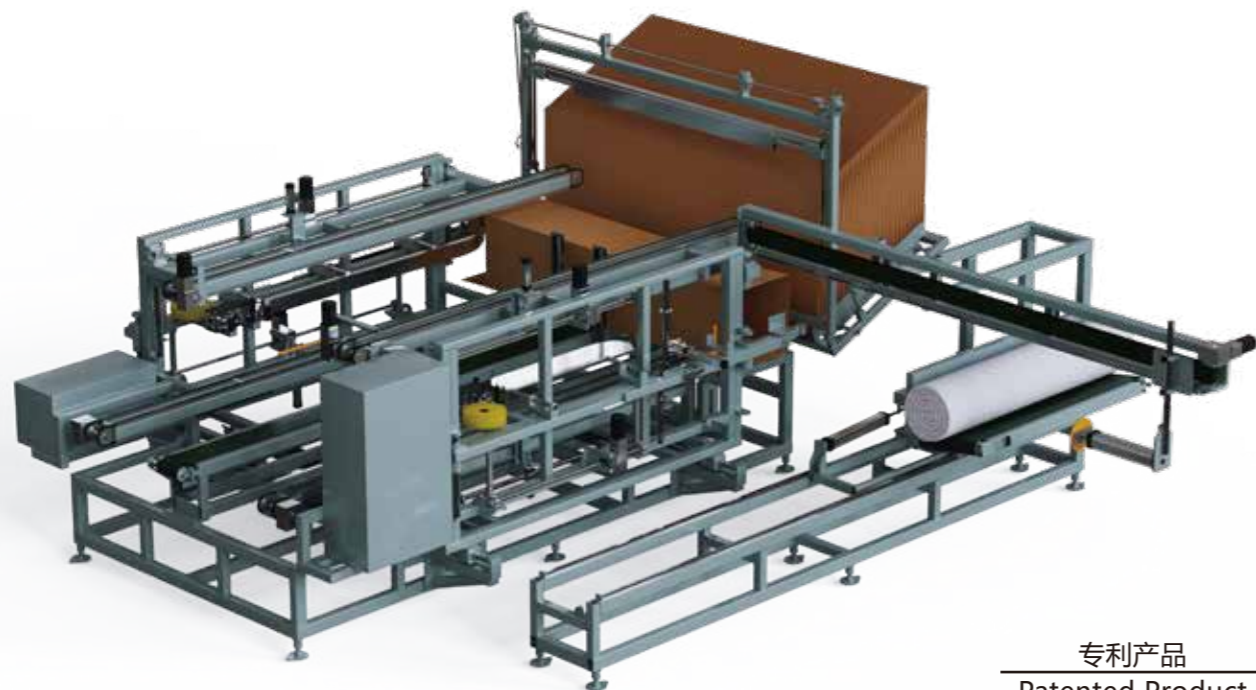


- 日本品牌液压系统
Hydraulic system of Japanese brand
- 实现立方体便捷式包装
Available for convenient cube-packaging

单位 (unit) : mm



全自动卷包床垫封箱机



专利产品
Patented Product

可与现有的全自动压卷包装机无缝衔接
Available for connecting with current machines

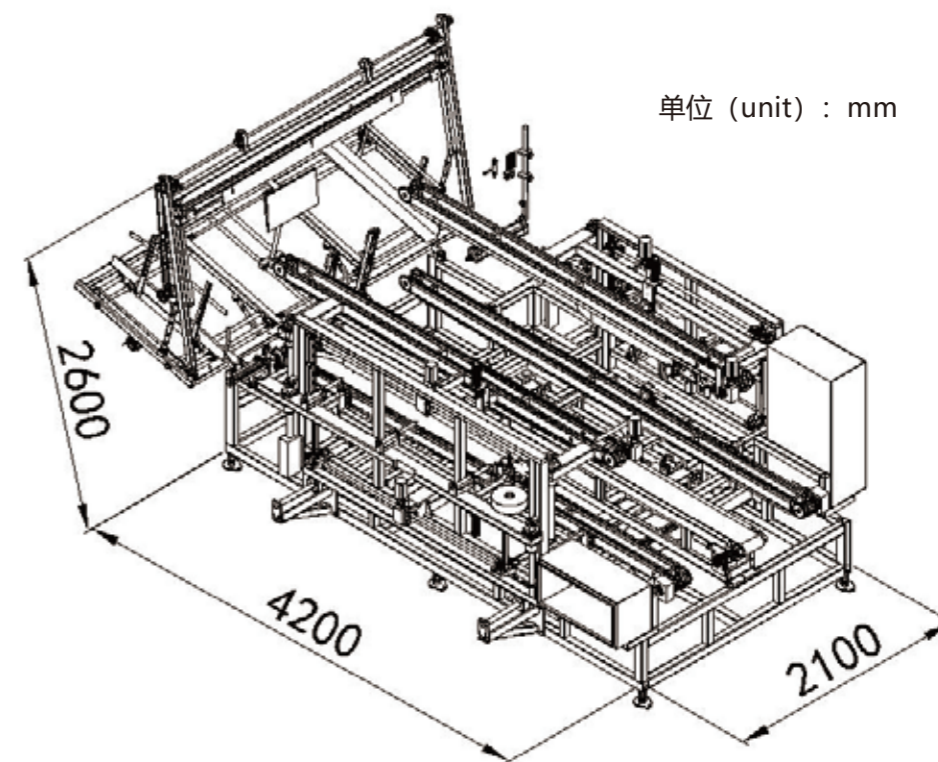


行业内占地最小
Minimum space in the industry

操作便捷
Easy operating

性能 character	型号 model	LR-BS-S2
适用产品		袋装弹簧床垫(无边框) 海绵垫或乳胶垫
Application		Pocket spring mattress without border frame, foam mattress, latex mattress
包装形式		卷包 一张一卷
Packing method		Roll-packing, one unit in one roll
包装材料		纸箱
Packing material		Carton
是否压缩		是
Compressing or not		YES
包装效率		30 秒/张
Speed		30 seconds per unit
气源需求/Air consumption		0.5 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		5KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	10A
	输入电缆/Cable section	3*6 mm ² +2*4 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx 3500Kg

LR-BS-S2	
耗材参数/Consumption material data	
材质/Type	封箱胶/Sealing tape
胶纸卷外径/Outer dia. of packing material	最大/Max.300mm
封箱胶宽度/Width of sealing tape	220-550mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max.1200mm
床垫长度/Mattress length	最大/Max.2100mm
成品卷直径/Diameter of finished roll	200-500mm



单位 (unit) : mm

全自动床垫薄膜包装机



专利产品
Patented Product

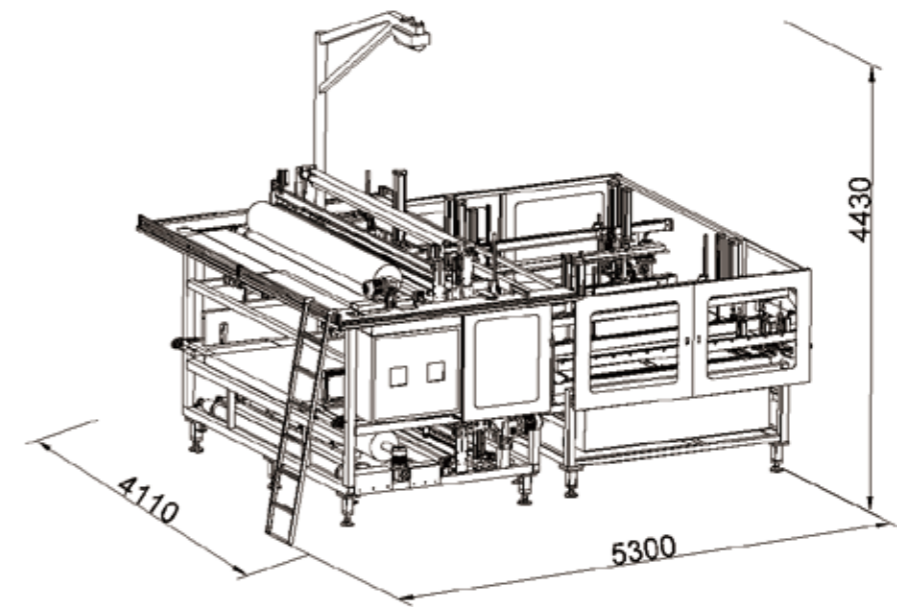
包装平整，占地少
Smooth packing, space saving



性能 character	型号 model	LR-MP-40P
适用产品		成品床垫
Application		finished mattress
包装形式		平包
Packing method		Flat packing
包装材料		PE膜
Packing material		PE film
是否压缩		否
Compressing or not		NO
包装效率		每张30秒内
Speed		In 30 seconds per unit
气源需求/Air consumption		1 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		约/Approx. 20kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	40A
	输入电缆/Cable section	3*16 mm ² +2*10 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 4000Kg

LR-MP-40P	
耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	0.08~0.1mm
胶纸卷内径/Inner dia. of packing material	最小/Min.75mm
胶纸卷外径/Outer dia. of packing material	最大/Max.200mm
胶纸卷宽度/Width of packing material	最大/Max.2900mm
一般参数/General data	
床垫宽度/Mattress width	800-2000mm
床垫长度/Mattress length	1600-2200mm
床垫厚度/Mattress thickness	100-450mm

单位 (unit) : mm



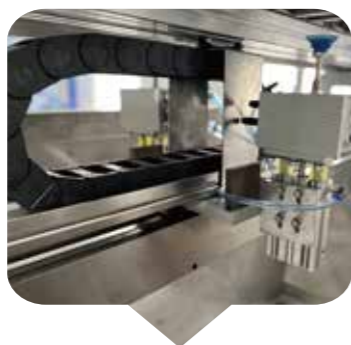
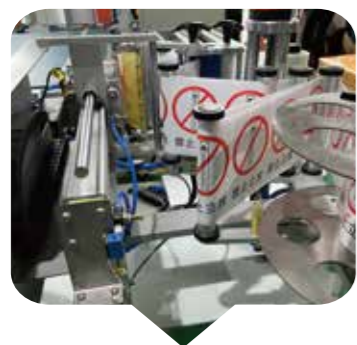
全自动床垫牛皮纸包装机



专利产品
Patented Product

可自动切换不同样式的牛皮纸，柔性化包装，结构紧凑，
床垫牛皮纸专用包装设备

Switching different kraft paper automatically, flexible packing,
compact structure specialized packing machine for mattress kraft paper



可选配自动贴标

Optional to add auto labeling

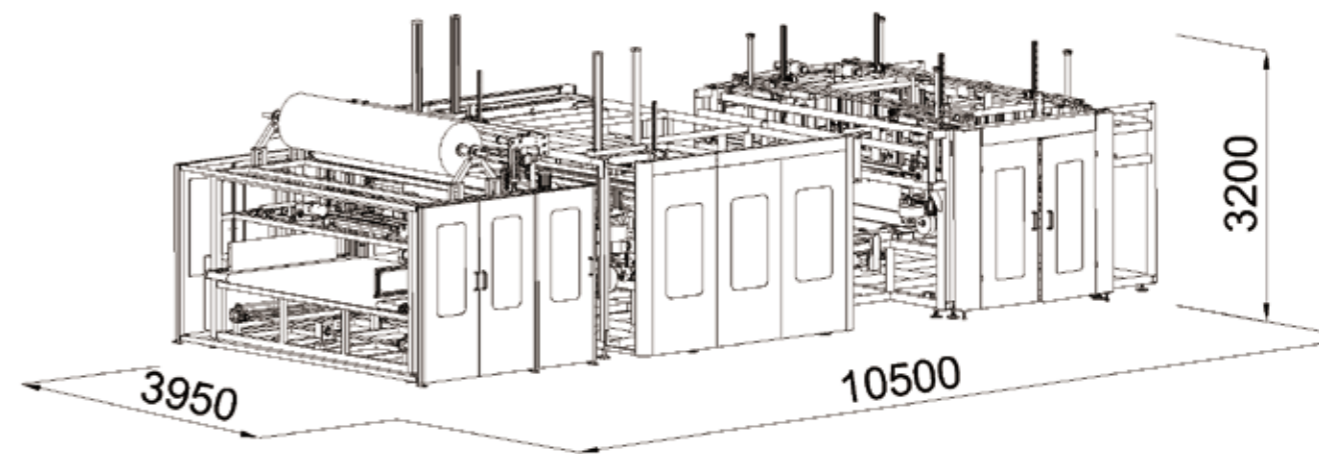
可选配自动投放说明书

Optional to add auto releasing of instruction books

性能 character	型号 model	LR-MP-55P
适用产品		成品床垫
Application		finished mattress
包装形式		平包
Packing method		Flat packing
包装材料		牛皮纸
Packing material		Kraft paper
是否压缩		否
Compressing or not		NO
包装效率		每张30秒内
Speed		In 30 seconds per unit
气源需求/Air consumption		2.5m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		35kw
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	60A
	输入电缆/Cable section	3*16 mm ² +2*10 mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx. 10000Kg

LR-MP-55P	
耗材参数/Consumption material data	
材质/Type	牛皮纸/Kraft paper
厚度/Thickness	100-140g/m ²
牛皮纸内径/ Inner dia. of kraft paper	最小/Min.75mm
牛皮纸外径/ Outer dia. of kraft paper	最大/Max. 600mm
牛皮纸宽度/ Width of kraft paper	最大/Max. 2500mm
一般参数/General data	
床垫宽度/Mattress width	900-2100mm
床垫长度/Mattress length	1900-2100mm
床垫厚度/Mattress thickness	50-400mm

单位 (unit) : mm



LR-MP-55P-LINE

全自动床垫牛皮纸包装生产线



专利产品
Patented Product

柔性化包装, 结构紧凑, 行业领先
Flexible packing/compact structure/leading the industry



自动投放说明书

Auto releasing of instruction books



自动扫描

Automatic scanning

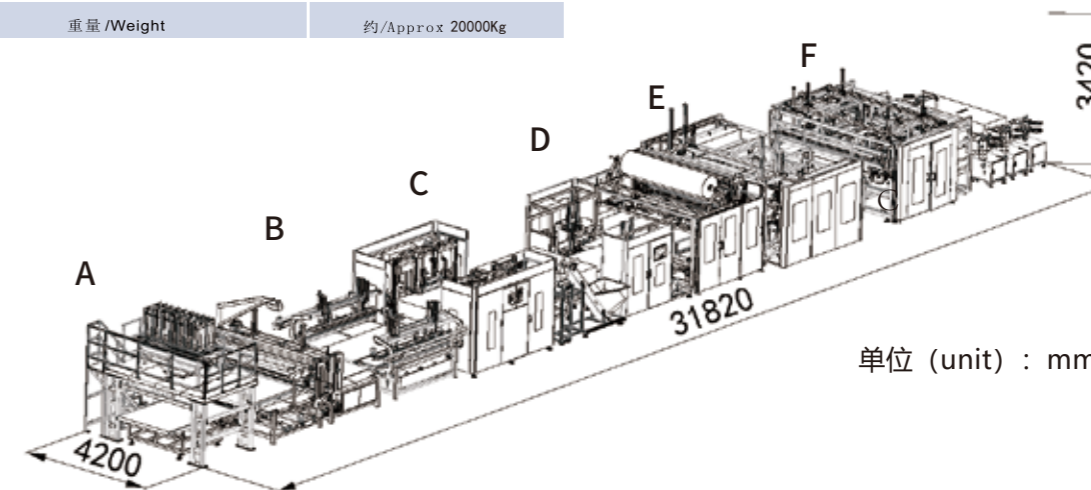


包装美观

Smooth packing

性能 character	型号 model	LR-MP-55P-LINE
适用产品		成品床垫
Application		finished mattress
包装形式		平包
Packing method		Flat packing
包装材料		牛皮纸+PE膜
Packing material		Kraft paper + PE film
是否压缩		否
Compressing or not		NO
包装效率		每张30秒内
Speed		In 30 seconds per unit
气源需求/Air consumption		3.5m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率Power consumption in total		55kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	95A
	输入电缆/Cable section	3*16mm ² +2*10mm ² 3*10mm ² +2*6mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx 20000Kg

LR-MP-55P-LINE	
耗材参数/Consumption material data	
材质/Type	牛皮纸+PE膜 Kraft paper + PE film
厚度/Thickness	100-140g/m ²
牛皮纸内径/ Inner dia. of kraft paper	最小/Min.75mm
牛皮纸外径/ Outer dia. of kraft paper	最大/Max. 600mm
牛皮纸宽度/ Width of kraft paper	最大/Max. 2500mm
一般参数/General data	
床垫宽度/Mattress width	900-2100mm
床垫长度/Mattress length	1900-2100mm
床垫厚度/Mattress thickness	50-400mm



单位 (unit) : mm

- A. 自动扫描, 自动投放干燥剂、说明书
Auto scanning, auto releasing of desiccant and instruction books
- B. 自动包PE膜
Automatic packing with PE film
- C. 自动裁切, 包发泡棉护角, 投脚手套
Automatic cutting, foamed cotton angle protector packing, releasing of gloves and shoe covers
- D. 自动裁切, 包纸护角
Automatic cutting, angle paper protector packing
- E. 自动包牛皮纸
Automatic packing with kraft paper
- F. 自动贴标签
Automatic labeling

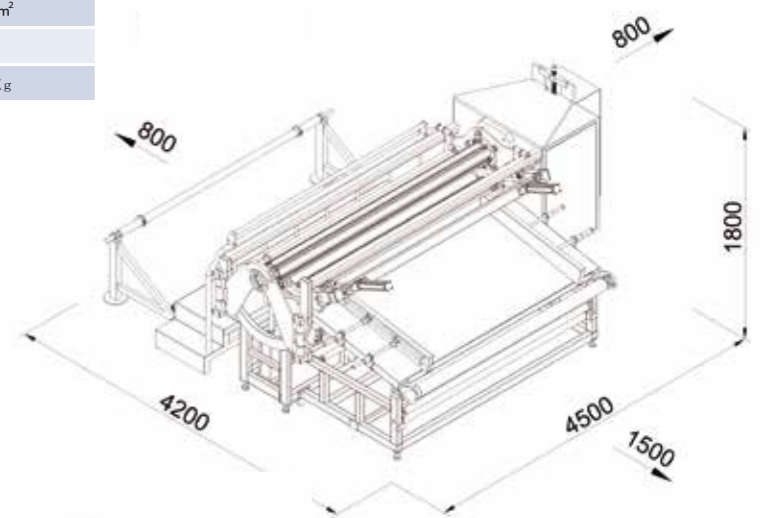
软垫卷包机



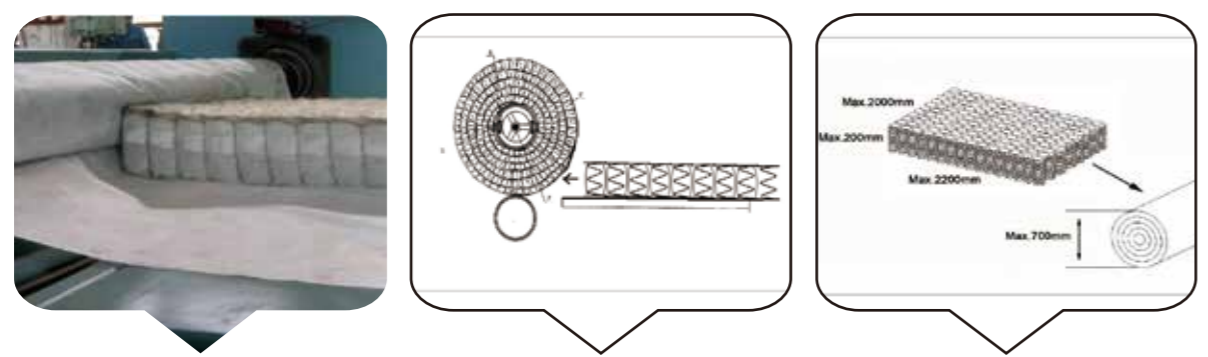
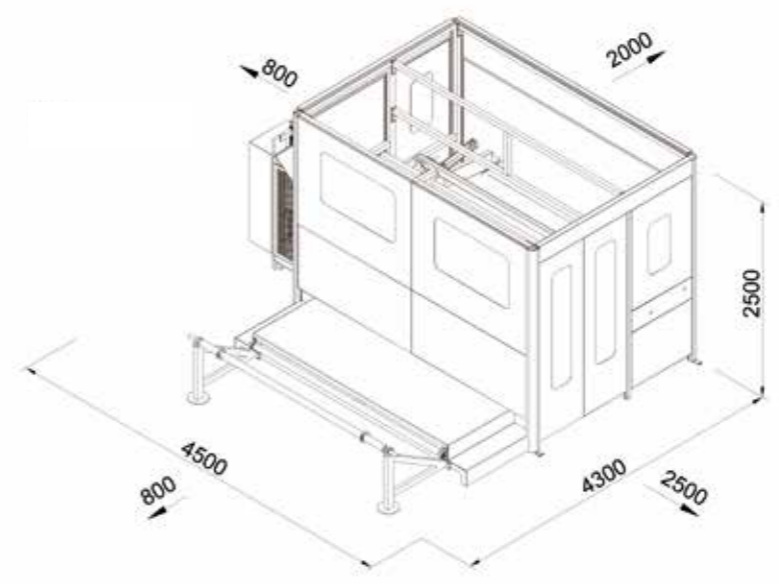
符合CE标准
Conforming to CE standard

性能 character	型号 model	LR-PSL-15P
适用产品		袋装弹簧床垫(无边框) 海绵垫或乳胶垫
Application		Pocket spring mattress without border frame, foam mattress, latex mattress
包装形式		卷包 多张一卷
Packing method		Roll-packing, several units in one roll
包装材料		无纺布等
Packing material		Non-woven fabric etc.
是否压缩		是
Compressing or not		YES
包装效率		8分钟/卷
Speed		8 minutes/roll
气源需求/Air consumption		0.2 m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		4.5 kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	10A
	输入电缆/Cable section	3*6 mm ² +2*4 mm ²
工作温度/Working temperature		+5℃~+35℃
重量/Weight		约/Approx.3800 Kg

LR-PSL-15P	
耗材参数/Consumption material data	
材质/Type	无纺布/Non-woven
厚度/Thickness	65~75g/m ²
无纺布内径/Inner dia. of packing material	最小/Min.75mm
无纺布外径/Outer dia. of packing material	最大/Max.350mm
无纺布宽度/Width of packing material	最大/Max.2200mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	最大/Max.250mm
成品卷直径/Diameter of finished roll	最大/Max. 700mm



单位 (unit) : mm



用于多张袋装弹簧床网的卷压包装
Roll&pack about 10-12 pocket springs units into one roll

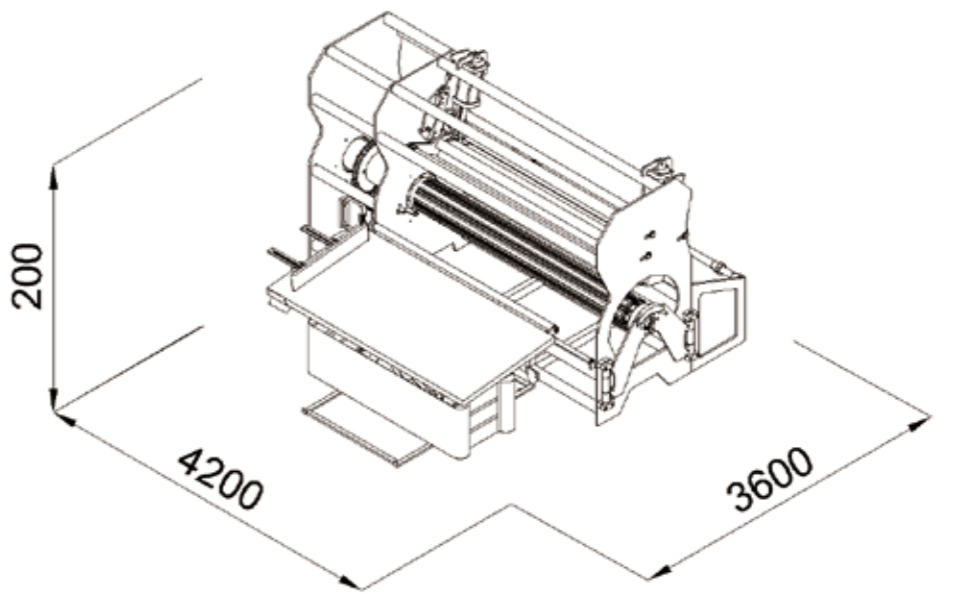
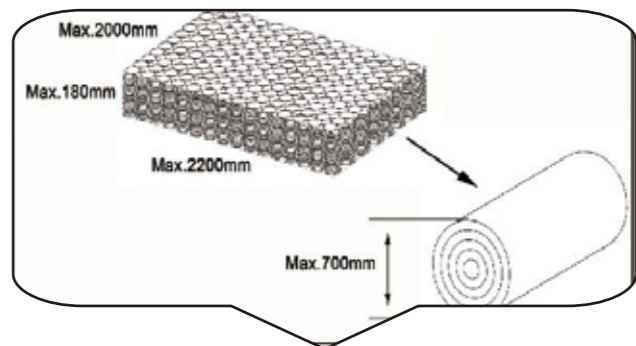
床网卷包机



性能 character	型号 model	LR-PSL-20P
适用产品		普通簧床网
Application		Bonnell spring units
包装形式		卷包 多张一卷
Packing method		Roll-packing, several units in one roll
包装材料		牛皮纸
Packing material		Kraft paper
是否压缩		是
Compressing or not		YES
包装效率		8分钟/卷
Speed		8 minutes/roll
气源需求/Air consumption		0.2 m³/min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		6kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	15A
	输入电缆/Cable section	3*6mm² + 2*4mm²
工作温度/Working temperature		+5℃~+35℃
重量/Weight		约/Approx.3000Kg

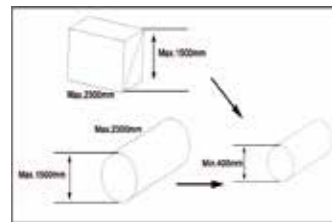
LR-PSL-20P	
耗材参数/Consumption material data	
材质/Type	牛皮纸/Kraft paper
厚度/Thickness	0.2mm
包装纸辊内径 /Inner dia. of packing material	最小/Min.75mm
包装纸辊外径/Outer dia. of packing material	最大/Max.1200mm
包装纸辊宽度/Width of packing material	最大/Max.2200mm
一般参数/General data	
床垫宽度/Mattress width	最大/Max. 2000mm
床垫长度/Mattress length	最大/Max. 2200mm
床垫厚度/Mattress thickness	最大/Max. 180mm
成品卷直径/Diameter of finished roll	最大/Max. 700mm

单位 (unit) : mm



用于多张普通弹簧床网的卷压包装
 Roll&pack about 8-10 bonnell spring units into one roll

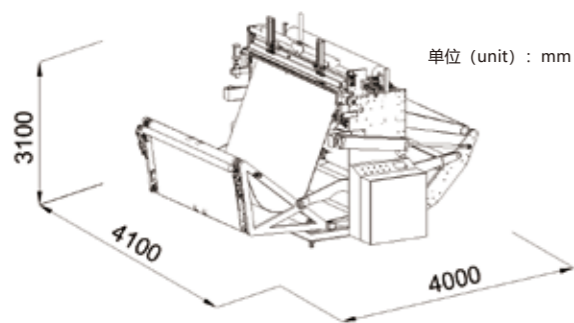
全自动海绵拉卷机



牢固的波浪型双焊缝式封口
Reliable wavy double seal



用于压缩包装片绵卷或块状海绵
Compress&pack foam roll or block



单位 (unit) : mm

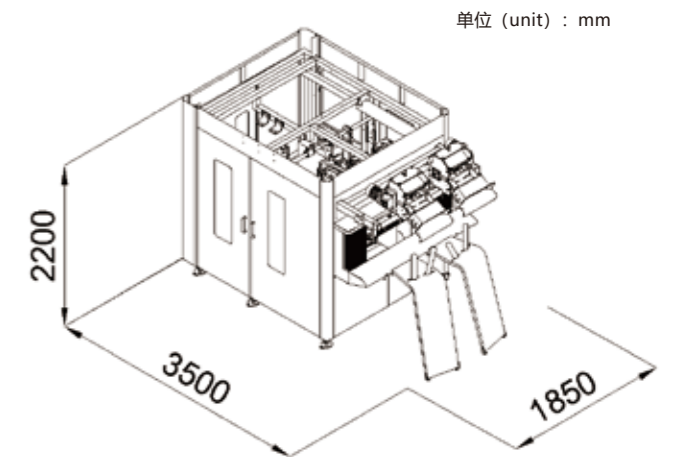
性能 character	型号 model	LR-RP-20P
适用产品		片绵卷或海绵块
Application		foam roll or block
包装形式		卷包 单个一包
Packing method		Roll-packing, one unit in one roll
包装材料		PE膜
Packing material		PE film
是否压缩		是
Compressing or not		YES
包装效率		40秒/卷
Speed		40seconds per unit
气源需求/Air consumption		0.25m ³ /min.
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		13kW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input Current	25A
	输入电缆/Cable section	3*10mm ² + 2*6mm ²
工作温度/Working temperature		+5℃~+35℃
重量/Weight		约/Approx 5000 Kg

耗材参数/Consumption material data	
材质/Type	PE膜/PE film
厚度/Thickness	100-140g/m ²
胶纸卷内径/Inner dia. of packing material	最小/Min.75mm
胶纸卷外径/Outer dia. of packing material	最大/Max.200mm
胶纸卷宽度/Width of packing material	最大/Max.2600 mm
一般参数/General data	
海绵卷直径/Foam roll diameter	最大/Max. 1500mm
海绵卷长度/Foam roll length	最大/Max. 2300mm
压缩后海绵卷直径 /Diameter of finished roll	最小/Min. 400mm

弹簧条接驳机

性能 character	型号 model	LR-PS-SS
生产效率		4 秒/段
Production capacity		4 sec/section
控制原理		可编辑控制器
Working principle		PLC
弹簧形状		标配机型: 直筒型和鼓型
Spring shape		Standard versions: barrel and cylindrical
气源需求/Air consumption		0.1m ³ /min.
工作气压/Air pressure		0.6~0.7 mpa
总功率/Power consumption in total		3KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input current	6A
	输入电缆/Cable section	3*2.5mm ² + 2*1.5mm ²
工作温度/Working temperature		+5℃~+35℃
重量/Weight		约/Approx. 800Kg

生产规格(毫米)/Working range(mm)		
	弹簧中腰直径 (D) Spring Waist Diameter	弹簧入袋后高度 (H) Pocket Spring Height
Option-01	Φ 45~80	100~240



单位 (unit) : mm

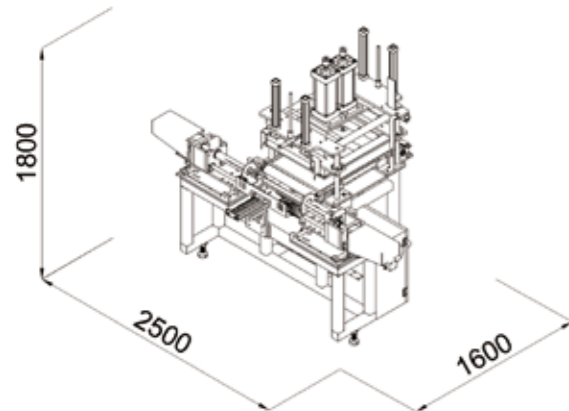
可接驳两种不同颜色弹簧条
Connecting two spring strips of colors



枕头卷包机



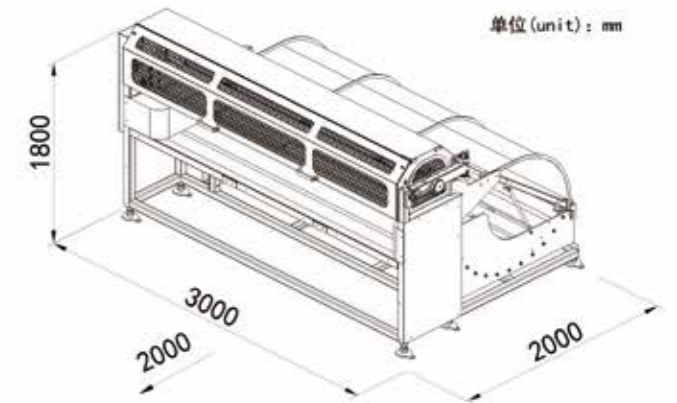
单位 (unit) : mm



性能 character	型号 model	LR-RP-ZT
适合产品		海绵或乳胶枕头
Application		Foam or latex pillow
包装形式		卷包, 一个一卷
Packing method		Roll-packing, one piece in one roll
包装材料		PE袋
Packing material		PE bag
效率/Speed		30秒/张 30 seconds/ piece
气源需求/Air pressure		0.3m ³ /min
总功率/Power consumption in total		5KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input current	13A
	输入电缆/Cable section	
工作温度/Working temperature		+5°C ~ +35°C
一般参数/General data		
枕头宽度/Pillow width		最大/Max. 500mm
枕头长度/Pillow length		最大/Max. 800mm
卷后直径/Diameter of finished roll		110-150mm

床网拆包机

性能 character	型号 model	LR-RPO-2P
功能		卷包床网拆包
Function		Open the roll-packed mattress cores
拆包效率		1-2分钟/卷
Speed		1-2 min./ unit
可拆包直径		最大850mm (无动力滚筒可调直径)
Diameter of finished roll		Max. 850mm (unpowered roller, adjustable diameter)
拆包形式		反向拉卷
Open method		Reverse opening
操作方式		单脚踏板操作
Operation method		Single pedal
气源需求/Air consumption		0.2m ³ /min.
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60 Hz
Power requirements	输入电流/Input current	4A
	输入电缆/Cable section	3*2.5mm ² + 2*1.5mm ²
总功率/Power consumption in total		1.5KW
适合产品/Application		已卷包好的床芯 roll-packed mattress cores
工作温度/Working temperature		+5°C ~ +35°C
带出料平台/Discharging platform		可拆卸/Detachable



全自动床垫复合贴棉滚喷一体机



AI 拍摄及检测由AI完成
Smartview SVS

性能 Character	型号 Model	LR-TA-PE
生产效率		600张/天
Production capacity		600 pieces / day
涂胶方式		喷胶和滚胶
Gluing method		Glue spraying and Glue rolling
喷胶头/Glue spray head		6个/ unit
辊胶温度/Roll glue temperature		140-160°C
控制原理		总线控制
Working principle		Servo control
气源需求/Air consumption		0.1m ³ /min
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		70KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60HZ
Power requirements	输入电流/Input current	110A
	输入电缆/Cable section	3*35mm ² +2*16mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx.10000Kg

耗材参数/Consumption Materl Data	
热熔胶	Hot melt adhesive
喷胶 (Glue spraying)	EVA
滚胶 (Glue rolling)	PUR / APA0

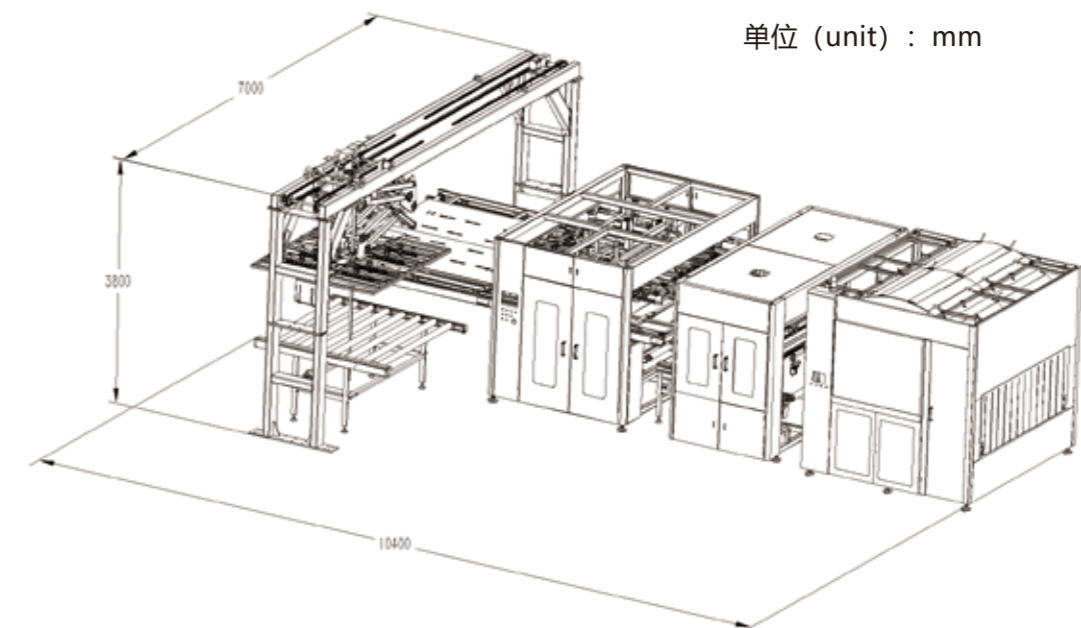
床垫尺寸/ Mattress Size	
床垫厚度/ Mattress thickness	50~350mm
床垫长度/ Mattress length	1900-2100mm
床垫宽度/ Mattress width	900-2100mm
海绵密度/ Foam density	20-70KG/m ³
海绵形状/ Foam shape	平面型/波浪型 Flat type / wave type

滚胶、喷胶一体化设备
两种模式均可节约30-40%以上的胶水用量
更可实现材料自动对位, 无需人工干预

Intigrated machine for glue rolling and spraying
Both modes can save more than 30~40% of glue consumption
Available for automatic material alignment



- 滚胶, 喷胶复合一体化生产
Compound integrated production of glue rolling and glue spraying
- 物料自动影像识别, AI智能抓取
automatic image recognition of materials
AI intelligent capture
- 斑马条形滚胶方式, 有效节约用胶量
The zebra type of glue rolling
saving glue consumption



全自动床垫复合层滚喷一体机



滚胶、喷胶一体化设备

使用斑马条纹型滚胶模式,可节约40%以上的胶水用量

使用精确点喷模式,可节约30%以上的胶水用量

Integrated machine for glue rolling & spraying

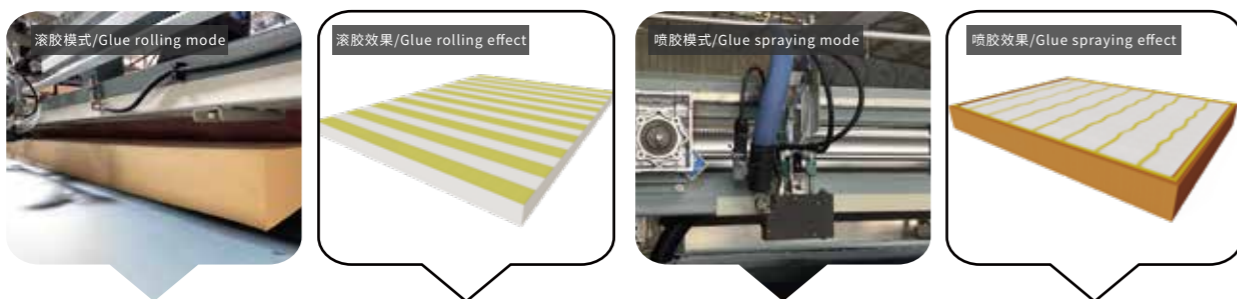
The zebra type of glue rolling can save more than 40% of glue consumption

The accurate glue spraying can save more than 30% of glue consumption

性能 Character	型号 Model	LR-TG-PE
生产效率		600张/天
Production capacity		600 pieces / day
涂胶方式		喷胶和滚胶
Gluing method		Glue spraying and Glue rolling
控制原理		总线控制
Working principle		Servo control
气源需求/Air consumption		0.2m ³ /min
工作气压/Air pressure		0.6-0.7 mpa
总功率/Power consumption in total		55KW
输入电源需求	电压/Voltage	3AC 380V
	频率/Frequency	50/60HZ
Power requirements	输入电流/Input current	90A
	输入电缆/Cable section	3*35mm ² +2*16mm ²
工作温度/Working temperature		+5°C~+35°C
重量/Weight		约/Approx.4000Kg

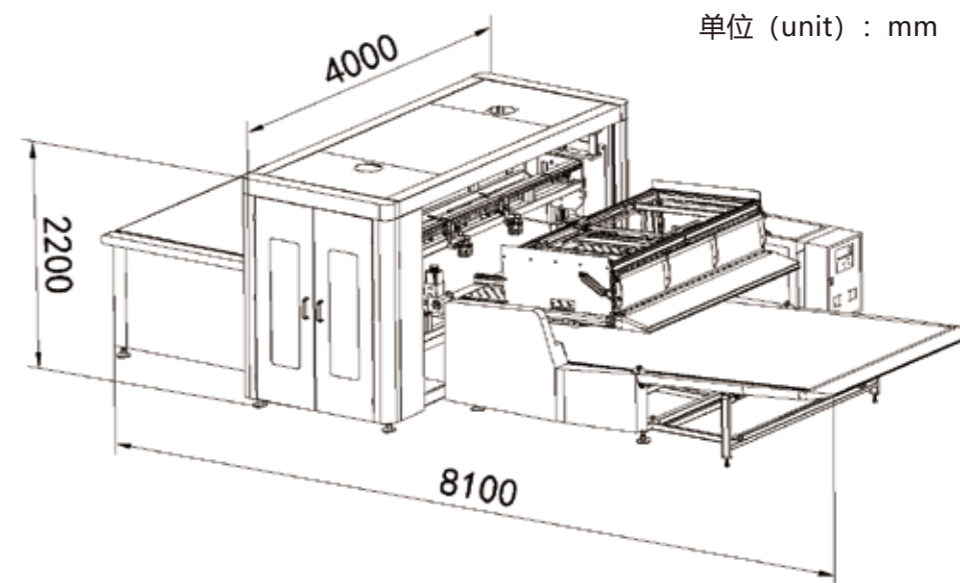
耗材参数/Consumption Materl Data	
热熔胶	Hot melt adhesive
喷胶 (Glue spraying)	EVA
滚胶 (Glue rolling)	PUR / APO

床垫尺寸/ Mattress Size	
床垫厚度/ Mattress thickness	50~350mm
床垫长度/ Mattress length	1900-2100mm
床垫宽度/ Mattress width	900-2100mm
海绵密度/ Foam density	20-70KG/m ³
海绵形状/ Foam shape	平面型/波浪型 Flat type / wave type



滚胶, 喷胶复合一体化生产
Compound integrated production of glue rolling and glue spraying

斑马条形滚胶方式, 有效节约用胶量
The zebra type of glue rolling saving glue consumption



单位 (unit) : mm

SMARTLINE

联柔智能生产协作系统



在2017年研发成功并投入使用,基于云服务最新技术架构打造的床垫制造领域产品,是数字化商业时代床垫制造企业智能制造平台,提供生产制造、智能工厂(支持批次生产、产线生产、智能排产、定制化生产等多种制造模式)、智能物联、品质服务、追溯服务、智能物流、设备售后服务等管控一体化方案,帮助企业提质、增效、降本、缩短交期,并连接社会化商业网络,支持企业面向数智化管理、个性化制、网络化协同、智能化制造、服务化延伸实现数智化转型。

Smartline system was developed and put into use in 2017, it is a mattress manufacturing product based on the latest technology architecture of cloud services and it is also a smart manufacturing platform for mattress manufacturing enterprises in the digital commercial era. Smartline provides manufacturing, smart factory (Supporting batch production, the production of production line, smart production scheduling, customized production, and other manufacturing mode), smart internet of things, high quality service, tracing service, smart logistics, equipment after-sales service and other control integration solutions, It helps enterprises improve quality, increase efficiency, reduce cost, shorten delivery time, and connect social business network. It supports enterprises to achieve digital-intelligent management, personalized system, network collaboration, smart manufacturing, and service-oriented extension.



设备监控
Equipment monitoring



故障分析
Fault analysis



远程协助
Remote assistance



成本管理
Cost management



质量追溯
Smartview

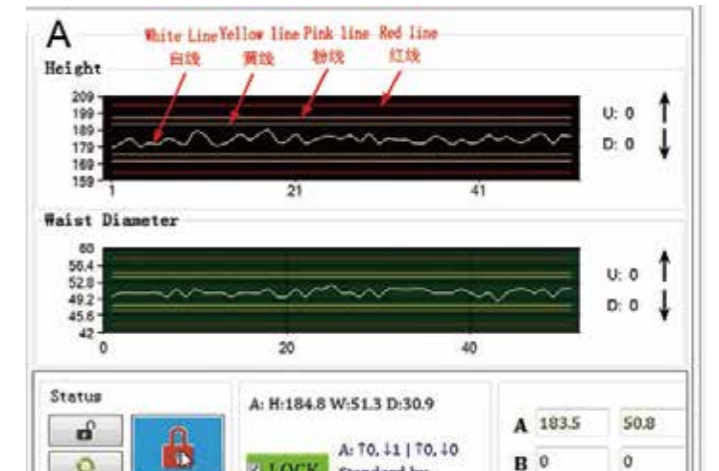


智能排单
Smart scheduling

质量追溯 (Smartview)

采用高帧率摄像头拍摄高速运行中的弹簧,根据拍摄图片分析出弹簧的尺寸(高度和腰径)。

High frame rate camera was used to photograph the spring in high speed, and the size of the spring was analyzed according to the picture (Height and waist diameter)



智能排单 (Smart scheduling)

在Smartline系统基础上,通过监测设备数据,获取当前设备所生产的规格、原材料情况,提供合理的算法,推荐最优、最高效的智能排产方案。

Based on the Smartline system, the system obtains the specifications and raw materials of the current equipment by monitoring the equipment data, provides a reasonable algorithm, and recommends the optimal and most efficient smart production scheduling scheme.



虚实同步 (Synchronization)

实现Smartline系统上的数据、显示与现场设备的实际生产状态完全同步。

Can be synchronized with virtual in Smartline system and reality in the location of machines.



客户应用案例 (Customers' cases)

Smartline系统已被广泛应用在包括欧、美及中国等地区的各大床垫和床网商家的工厂之中,并得到普遍的认可与好评。

Smartline system has been applied in many famous customers' factories all over the world and evaluated as a professional & high-valued production system.



海内外售后(技术)服务中心
After-sales (technical) service center



中国 China

广东省广州市黄埔区云展路13号
No. 13, Yunzhan Road, Huangpu District,
Guangzhou , Guangdong Province

北美 North America

美国佛罗里达州
Florida, United States

欧洲 Europe

德国
Kevelaer, Germany

日本 Japan

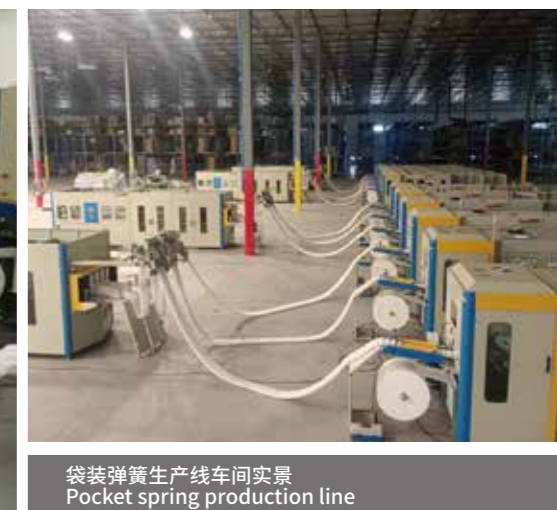
大阪
Osaka

南美 South America

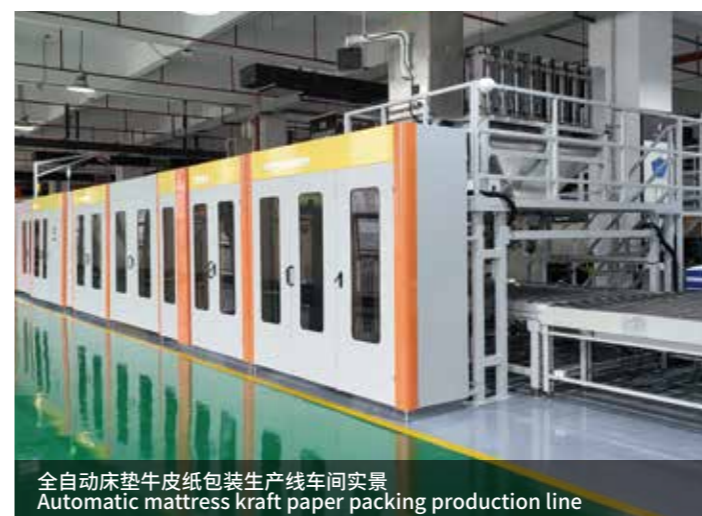
巴西圣保罗州
State of Sao Paulo, Brazil

Overall industry solutions (Field case)

行业整体解决方案 (客户现场案例)



袋装弹簧生产线车间实景
Pocket spring production line



全自动床垫牛皮纸包装生产线车间实景
Automatic mattress kraft paper packing production line

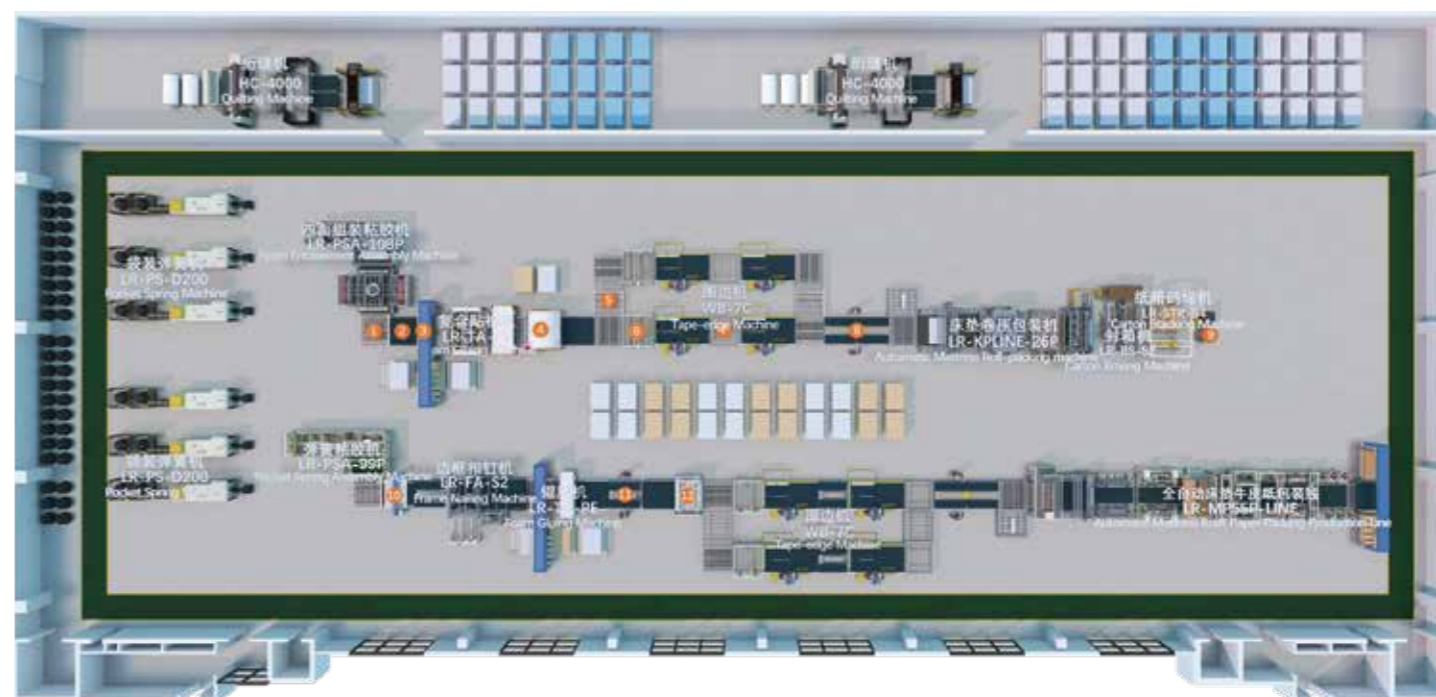


床垫整合生产线车间实景
Mattress integrated production line



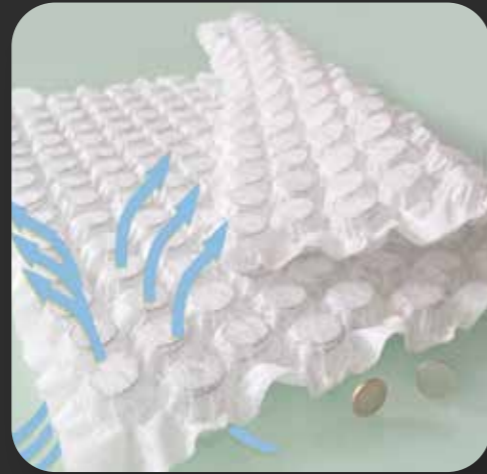
Overall industry solutions (Mattress intelligent whole process workshop)

行业整体解决方案 (床垫智能化全流程生产线车间)

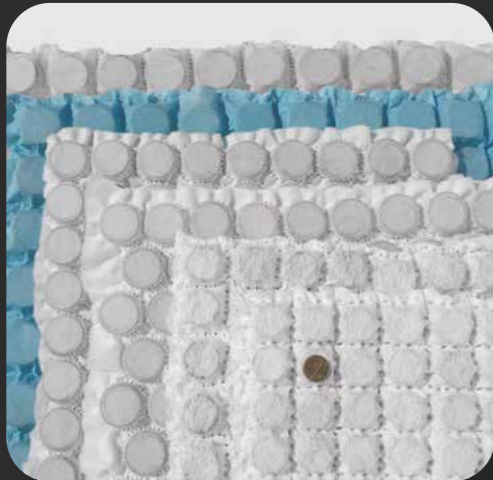




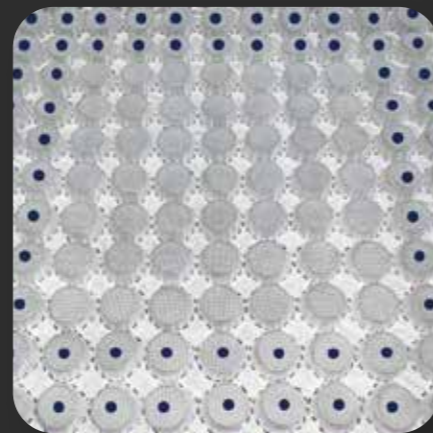
世界上最小的弹簧
World's Smallest Spring



良好的通风
Good Ventilation



多分区模式
Zoning Various Sizes
Pattern(parallel/offset)



Welcom to order, Box Spring Pad
(Patent No.:200720058207.X)
Maximum Width:2300mm (As one unit, no conjunction)
Height:20-45mm, Diameter:25-60mm

联柔制造的机器遍布全球

Machineries made by LIANROU distributed in the world

