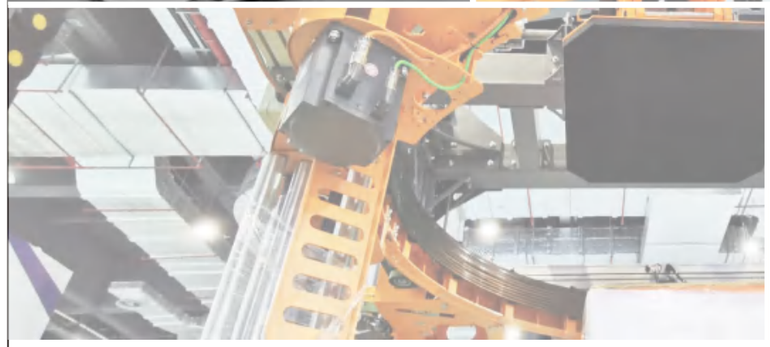

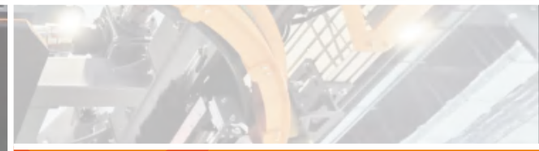

智慧 • 安全 • 高效

专注智慧缠绕包装解决方案

FOCUS ON PALLET WRAPPING
PACKAGING SOLUTIONS

SMART WASP

小黄蜂智能科技（苏州）有限公司
SMART WASP INTELLIGENT TECHNOLOGY (SUZHOU) CO.LTD

小黄蜂智能科技（深圳）有限公司
SMART WASP INTELLIGENT TECHNOLOGY(SHENZHEN)CO.,LTD

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www.smartwasp.com / www.smartwasp.cn

SmartWasp 微信公众号
访问 SmartWasp 微信公众号查看 SmartWasp 的智能设备、耗材和配件产品。
若要通过电话购买，请致电 4000-190-311。

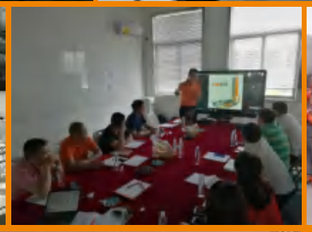
扫一扫登陆SmartWasp微信公众号

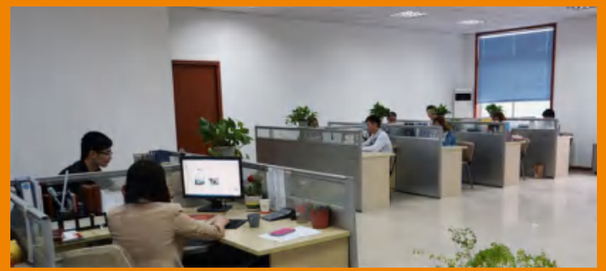
小黄蜂科技
SMART WASP

ABOUT US
关于我们

小黄蜂智能科技（苏州）有限公司，专注于设计研发制造智能缠绕包装设备以及提供自动化包装解决方案，公司拥有一支专业的设计研发团队，新建工厂占地面积50亩。小黄蜂标准缠绕机，全自动缠绕机，高速环形缠绕机一系列产品，畅销美国，德国，加拿大，墨西哥，澳大利亚，韩国等六十多个国家和地区，与ZF，卡夫食品，LG，松下等世界知名企业建立长久的合作关系。小黄蜂致力于打造中国品牌，世界品质的产品，努力成为一家受人尊敬的企业，让中国制造受全世界尊敬。

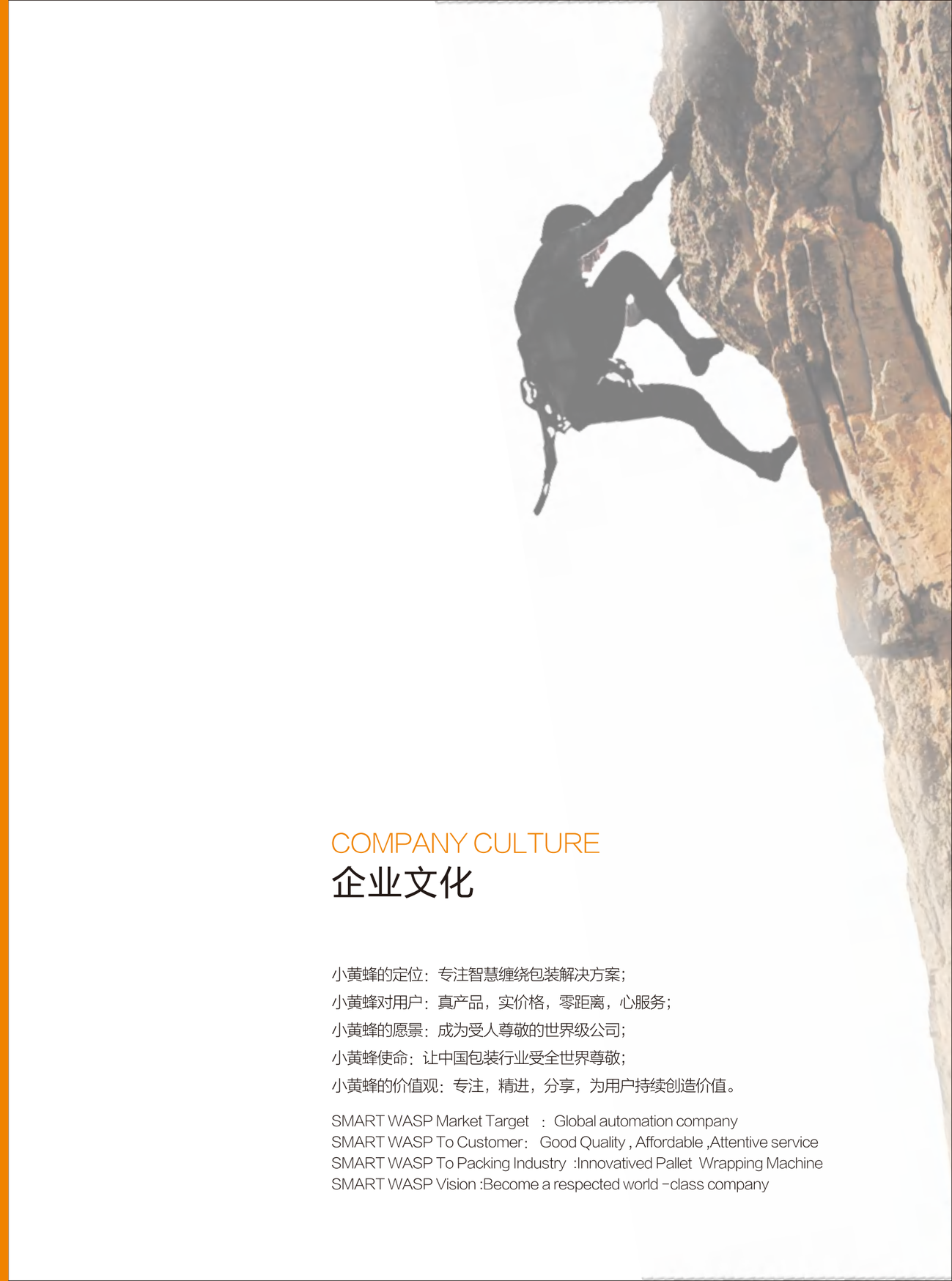
Smart Wasp Intelligent Technology (Suzhou) Co.,Ltd. focuses on designing, researching and manufacturing intelligent Pallet wrapping equipment and providing packaging automation solutions. Smart Wasp has a professional design and development team. The new factory covers an area of 50 acres. Smart Wasp standard pallet wrapping Machine series, Fully Automatic pallet wrapping Machine series, high speed ring pallet wrapping Machine series are popular in the United States, Germany, Canada, Mexico, Australia, South Korea, and more than 60 countries and regions. Smart Wasp has established long-term cooperative relations with ZF, Kraft, LG, Panasonic and other world-renowned enterprises. Smart Wasp is committed to building products with Chinese brands and world-class quality and strives to become a respected company.





China Brand
World-Class
Quality

SMART WASP



COMPANY CULTURE
企业文化

小黄蜂的定位：专注智慧缠绕包装解决方案；
小黄蜂对用户：真产品，实价格，零距离，心服务；
小黄蜂的愿景：成为受人尊敬的世界级公司；
小黄蜂使命：让中国包装行业受全世界尊敬；
小黄蜂的价值观：专注，精进，分享，为用户持续创造价值。

SMART WASP Market Target ：Global automation company
SMART WASP To Customer： Good Quality , Affordable ,Attentive service
SMART WASP To Packing Industry :Innovatived Pallet Wrapping Machine
SMART WASP Vision :Become a respected world -class company

SMART WASP
智慧缠绕包装解决方案

X1

INTELLIGENT STANDARD PALLET WRAPPING MACHINE

标准型智能
缠绕包装机

- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3 m)
- Max load weight :1500KG
- Automatic cut film
- Film carriage safety device
- SIEMENS control system
- SIEMENS operation panel
- Intelligent alarm system with LED indicator

Automatic Rope Grip System
自动制绳系统

自动制绳技术可以卷起一圈薄膜绳，并将其附着至托盘，可以固定货物。从而确保货物不会在运输途中滑出托盘。

Automatic rope technology can roll up a circle of film rope, and attach it to the tray to hold the goods. Ensure goods not slide out.

SIEMENS Control System
西门子操作系统

好配件才能出好产品。

Better spare parts, better products.

Safety Device
防跌落系统

自动弹簧防跌落装置，膜架下的安全装置可以保护操作人员的头部。

Safety device under film carriage can protect the head of the operator.

LCD Touch Operating System
LCD触控操作系统

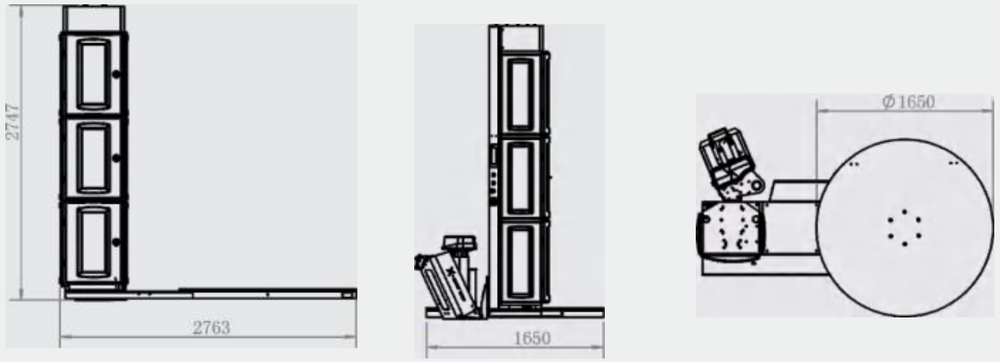
操作直观、易懂！

Intuitionistic, easy to operate.

X1详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp	缓起缓停 / Soft start&stop	包含 Included
型号 / Model	X1	智能报警 / Intelligent Alarm	包含 Included
承载重量 / Load weight	最大/Maximun 1500KG	定位停止 / stop at original	包含 Included
转盘速度 / Turntable speed	3-12 RPM/mins	速度可调 / Speed Adjustable	包含 Included
包装高度 / Packing height	最大/Maximum 2300mm (1800mm /3200mm optional)	制绳功能 / Pallet grip system	选配/Optional （ 制绳功能与自动断膜功能二选一 ）
转盘直径 / Turntable size	1650mm(1500mm/1800mm/2000mm/ 2200mm/2400mmoptional)	识别高度 / Measure height	自动/Automatic (黑色/蓝色物品光电选配/black/blue color optional)
预拉比 / Pre-stretch rate	200% （ 1m stretch to 3 m ）or 250%(1m stretch to 3.5m)	产品包紧力 / Wrapping force	可调/Adjustable
膜架上升 / 下降速度 Up&down speed	1.5 ~5.5 m/mins	产品记忆 / Product Memory	五种/Five Mode
包装速度 / Wrapping speed	20-30 Load/H(1 × 1.2 × 1.8m Pallet Warp Two Layers)	自动断膜功能 / Auto cut film	包含/ Have （ pallet grip function orAuto cut film fucntion Alternatives ）
缠绕膜宽度 / Film Width	500mm(750mm 选配/optional)	上膜方式 / Fix film on pallet	手动/Manual
缠绕膜直径 / Film diameter	250mm	PLC	西门子/SIEMENS
卷芯直径 / Film paper Core	76 mm （ 50 mm 选配/optional ）	变频器 / Inverter	西门子/SIEMENS
膜卷重量 / Film weight	最大/Maximum 15KG	操作面板 / Touch screen	西门子液晶触摸屏/SIEMENS
机器功率 / Machine power	1.5KW	感应开关 / Sensor brand	德国西克/SICK (Germany Brand)
机器电压 / Voltage	220V-240V/50/60HZ Single-Phase (110V/50 Hz optional)	安全保护装置 / safety device	膜座底部防压防坠落装置film carriage bottom safety sensor
机器重量 / Machine weight	750KG	产品认证 / Cerificate	欧盟认证/CE
机器尺寸 / Machine size	2763*1650*2747mm(L*W*H)	其他选配装置 / other optional	斜坡，称重装置，出口木箱Ramp，Weighing scale

X1机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X100

INTELLIGENT FULLY AUTOMATIC PALLET WRAPPING MACHINE

全自动智能
缠绕包装机

- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate（ 1m stretch to 3 m ）
- Max load weight :1500KG
- Automatic cut and clamp film
- Automatic pallet grip system
- Film carriage safety device
- SIEMENS control system
- Remote control system
- Intelligent alarm system with LED indicator

Automatic Rope Grip System
自动制绳系统

自动制绳技术可以卷起一圈薄膜绳，并将其附着至托盘，可以固定货物。从而确保货物不会在运输途中滑出托盘。

Automatic rope technology can roll up a circle of film rope, and attach it to the tray to hold the goods. Ensure goods not slide out.

LCD Touch Operating System
LCD触控操作系统

操作直观、易懂!

Intuitionistic, easy to operate.

Safety Device
防跌落系统

自动弹簧防跌落装置，膜架下的安全装置可以保护操作人员的头部。

Safety device under film carriage can protect the head of the operator.

Remote Control System
一键遥控系统

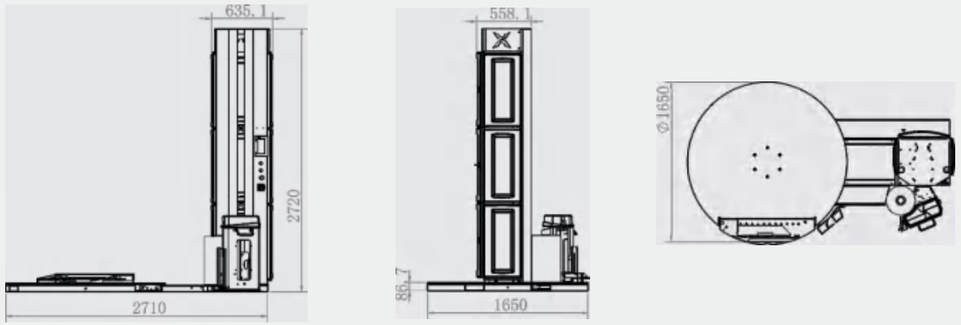
机器操作方便，通过遥控器启动机器和暂停机器更方便。

Machine easily operated by remote controls start machine and pause machine more convenient.

X100详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp	缓起缓停 / Soft start&stop	包含 Included
型号 / Model	X100	智能报警 / Intelligent Alarm	包含 Included
承载重量 / Load weight	最大/Maximun 1500KG	定位停止 / stop at original	包含 Included
转盘速度 / Turntable speed	3-12 RPM/mins	速度可调 / Speed Adjustable	包含 Included
包装高度 / Packing height	最大/Maximun 2350mm (1800mm/3200mm Optional)	托搬抓取系统/ Pallet Grip System	包含 Included
转盘直径 / Turntable size	1650mm(1500mm/1800mm/2000mm/ 2200mm/2400mmoptional)	识别高度 / Measure height	自动/Automatic (黑色/蓝色物品光电选配 black/blue color optional)
预拉比 / Pre-stretch rate	200%（1m stretch to 3 m）or 250%(1m stretch to 3.5m)	产品包紧力 / Wrapping force	可调/Adjustable
膜架上升 / 下降速度 Up&down speed	1.5 ~5.5 m/mins	产品记忆 / Product Memory	五种/Five Mode
包装速度 / Wrapping speed	30-40 Load/H(1 × 1.2 × 1.8m Pallet Warp Two Layers)	自动上切膜 / Cut & clamp film	fully automatic（包含）
缠绕膜宽度 / Film Width	500mm(750mm 选配/optional)	遥控启动装置 / remote start	选配/optional
缠绕膜直径 / Film diameter	250mm	PLC	西门子 /SIEMENS
卷芯直径 / Film paper Core	76 mm（50 mm 选配/optional）	变频器 / Inverter	西门子 /SIEMENS
膜卷重量 / Film weight	最大/Maximum 15KG	操作面板 / Touch screen	西门子液晶触摸屏/SIEMENS
机器功率 / Machine power	1.5KW	感应开关 / Sensor brand	德国西克/SICK (Germany Brand)
机器电压 / Voltage	220V-240V/50/60HZ Single-Phase (110V/50 Hz optional)"	安全保护装置 / safety device	膜座底部防压防坠落装置 film carriage bottom safety sensor
机器重量 / Machine weight	750Kg	产品认证 / Certificate	欧盟认证/CE
机器尺寸 / Machine size	2710*1650*2720mm(L*W*H)	其他选配装置 / other optional	斜坡，称重装置，出口木箱 Ramp ,Weighing scale

X100机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X3

INTELLIGENT FULLY AUTOMATIC PALLET WRAPPING MACHINE

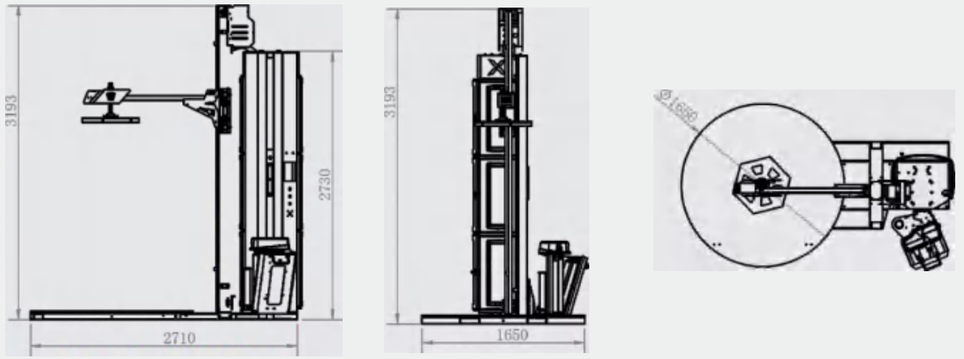
标准型加压
智能缠绕包装机

- Top Pressure Plate hold Pallet ,suit for light product
- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3 m)
- Max load weight : 1500KG
- Automatic cut film
- Film carriage safety device
- SIEMENS control system
- SIEMENS operation panel
- Intelligent alarm system with LED indicator

X3详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp	缓起缓停 / Soft start&stop	包含 Included
型号 / Model	X3	智能报警 / Intelligent Alarm	包含 Included
加压行程 / Top pressure height	500mm-2200mm	加压方式 / Pressure drive way	电动加压/Motor drive
加压重量 / Pressure Force	30KG(压力可调/adjustable)	加压模式 / Pressure mode	加压/不加压两种模式 with /without two pressure mode
承载重量 / Load weight	最大/Maximun 1500KG	定位停止 / stop at original	包含 Included
转盘速度 / Turntable speed	3-12 RPM/mins	速度可调 / Speed Adjustable	包含 Included
包装高度 / Packing height	最大/Maximun 2350mm (1800mm /3200mm optional)	制绳功能 / Pallet grip system	选配/Optional （ 制绳功能与自动断膜功能二选一 ）
转盘直径 / Turntable size	1650mm(1500mm/1800mm/2000mm/ 2200mm/2400mm选配/optional)	识别高度 / Measure height	自动/Automatic (黑色/蓝色物品光电 选配/black/blue color optional)
预拉比 / Pre-stretch rate	200%（ 1m stretch to 3 m ）or 250%(1m stretch to 3.5m)	产品包紧力 / Wrapping force	可调/Adjustable
膜架上升 / 下降速度 Up&down speed	1.5 ~5.5 m/mins	产品记忆 / Product Memory	五种/Five Mode
包装速度 / Wrapping speed	25 load / H（1x1.2x1.8m pallet 包裹两层/Warp Two Layers)	自动断膜功能 / Auto cut film	包含/ Have（ pallet grip function orAuto cut film fucntion Alternatives ）
缠绕膜宽度 / Film Width	500mm(750mm 选配/optional)	上膜方式 / Fix film on pallet	手动/Manual
缠绕膜直径 / Film diameter	250mm	PLC	西门子 /SIEMENS
卷芯直径 / Film paper Core	76 mm（ 50 mm 选配/optional ）	变频器 / Inverter	西门子 /SIEMENS
膜卷重量 / Film weight	最大/Maximum 15KG	操作面板 / Touch screen	西门子液晶触摸屏/SIEMENS
机器功率 / Machine power	1.9KW	感应开关 / Sensor brand	德国西克/SICK (Germany Brand)
机器电压 / Voltage	220V-240V/50/60HZ Single-Phase (110V/50 Hz optional)	安全保护装置 / safety device	膜座底部防压防坠落装置film carriage bottom safety sensor
机器重量 / Machine weight	900KG	产品认证 / Certificate	欧盟认证/CE
机器尺寸 / Machine size	2710*1650*3193mm(L*W*H)	其他选配装置 / other optional	斜坡，称重装置，出口木箱 Ramp ,Weighing scale

X3机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X300

INTELLIGENT FULLY AUTOMATIC TOP PRESSURE PALLET WRAPPING MACHINE

全自动加压
智能缠绕包装机

- Top Pressure Plate hold Pallet ,suit for light product
- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3 m)
- Max load weight :1500KG
- Automatic cut and clamp film
- Film carriage safety device
- SIEMENS control system
- SIEMENS operation panel
- Intelligent alarm system with LED indicator

Automatic Rope Grip System
自动制绳系统

自动制绳技术可以卷起一圈薄膜绳，并将其附着至托盘，可以固定货物。从而确保货物不会在运输途中滑出托盘。

Automatic rope technology can roll up a circle of film rope, and attach it to the tray to hold the goods. Ensure goods not slide out.

LCD Touch Operating System
LCD触控操作系统

操作直观、易懂！

Intuitionistic, easy to operate.

Top Pressure Device
加压装置

采用电动加压系统，防止货物缠绕过程中的散落和位移，加压行程500mm-2000mm；相对于传统的气动加压，航程提高一倍，适合范围更广。

Electric pressurizing system is adopted to prevent the scattering and displacement during the winding process of goods, and the pressurizing stroke is 500mm-2000mm. Compared with the traditional pneumatic pressure, the range is doubled, suitable for a wider range.

Remote Control System
一键遥控系统

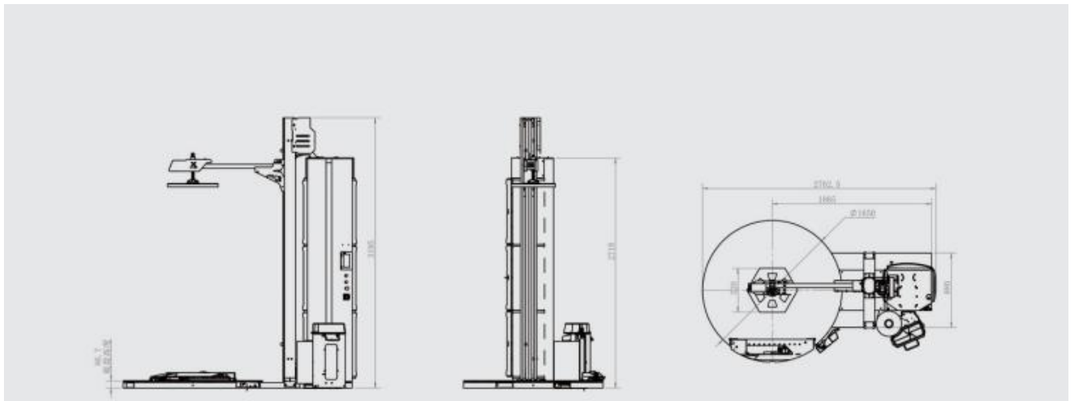
机器操作方便，通过遥控器启动机器和暂停机器更方便。

Machine easily operated by remote controls start machine and pause machine more convenient.

X300详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp	缓起缓停 / Soft start&stop	包含 Included
型号 / Model	X300	智能报警 / Intelligent Alarm	包含 Included
加压行程 / Top pressure height	500mm-2200mm	加压方式 / Pressure drive way	电动加压/Motor drive
加压重量 / Pressure Force	30KG(压力可调/adjustable)	加压模式 / Pressure mode	加压/不加压两种模式with /without two pressure mode
承载重量 / Load weight	最大/Maximun 1500KG	定位停止 / stop at original	包含 Included
转盘速度 / Turntable speed	3-12 RPM/mins	速度可调 / Speed Adjustable	包含 Included
包装高度 / Packing height	最大/Maximum 2350mm (1800mm /3200mm optional)	制绳功能 / Pallet grip system	底部制绳，顶部制绳选配Pallet bottom grip,top grip optional
转盘直径 / Turntable size	1650mm(1500mm/1800mm/2000mm/ 2200mm/2400mm选配/optional)	识别高度 / Measure height	自动/Automatic (黑色/蓝色物品光电选配/black/blue color optional)
预拉比 / Pre-stretch rate	200%（1m stretch to 3 m）or 250%(1m stretch to 3.5m)	产品包紧力 / Wrapping force	可调/Adjustable
膜架上升 / 下降速度 Up&down speed	1.5 ~5.5 m/mins	产品记忆 / Product Memory	五种/Five Mode
包装速度 / Wrapping speed	25 load / H（1x1.2x1.8m pallet 包裹两层/Warp Two Layers)	自动上切膜 / Cut & clamp film	fully automatic（包含）
缠绕膜宽度 / Film Width	500mm(750mm 选配/optional)	遥控启动装置 / remote start	选配/optional
缠绕膜直径 / Film diameter	250mm	PLC	西门子/SIEMENS
卷芯直径 / Film paper Core	76 mm（50 mm 选配/optional）	变频器 / Inverter	西门子/SIEMENS
膜卷重量 / Film weight	最大/Maximum 15KG	操作面板 / Touch screen	西门子液晶触摸屏/SIEMENS
机器功率 / Machine power	1.9KW	感应开关 / Sensor brand	德国西克/SICK (Germany Brand)
机器电压 / Voltage	220V-240V/50/60HZ Single-Phase (110V/50 Hz optional)	安全保护装置 / safety device	膜座底部防压防坠落装置film carriage bottom safety sensor
机器重量 / Machine weight	950KG	产品认证 / Cerificate	欧盟认证/CE
机器尺寸 / Machine size	2762.5*1650*3195mm(L*W*H)	其他选配装置 / other optional	斜坡，称重装置，出口木箱Ramp，Weighing scale

X300机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X5

INTELLIGENT M TYPE TURNTABLE PALLET WRAPPING MACHINE

标准M型
智能缠绕包装机

- Suit for pallet jack load pallet on machine
- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3 m)
- Max load weight :800KG
- Automatic cut film
- Film carriage safety device
- SIEMENS control system
- SIEMENS operation panel
- Intelligent alarm system with LED indicator

X5详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp	缓起缓停 / Soft start&stop	包含 Included
型号 / Model	X5	智能报警 / Intelligent Alarm	包含 Included
承载重量 / Load weight	最大/Maximum 800KG	定位停止 / stop at original	包含 Included
托盘起升高度 / Pallet lifted height	最小/Minmum 70mm	检测叉车光电 Detect sensor for pallet jack	包含 Included
货叉外径 / Fork overall width	最大/Maximum 695mm	底盘刹车电机 / brake motor	包含 Included
转盘速度 / Turntable speed	3-12 RPM/mins	速度可调 / Speed Adjustable	包含 Included
包装高度 / Packing height	最大/Maximum 2350mm (1800mm /3200mm optional)	制绳功能 / Pallet grip system	选配/Optional(制绳功能与自动断膜功能二选一)
转盘直径 / Turntable size	1650mm(1800mm 选配/optional)	识别高度 / Measure height	自动/Automatic (黑色/蓝色物品光电选配/black/blue color optional)
预拉比 / Pre-stretch rate	200%（1m stretch to 3 m）or 250%(1m stretch to 3.5m)	产品包紧力 / Wrapping force	可调/Adjustable
膜架上升 / 下降速度 Up&down speed	1.5 ~5.5 m/mins	产品记忆 / Product Memory	五种/Five Mode
包装速度 / Wrapping speed	35 load / H（1x1.2x1.8m pallet 包裹两层/Warp Two Layers)	自动断膜功能 / Auto cut film	包含/ Have（pallet grip function or Auto cut film fucntion Alternatives）
缠绕膜宽度 / Film Width	500mm(750mm 选配/optional)	上膜方式 / Fix film on pallet	手动/Manual
缠绕膜直径 / Film diameter	250mm	PLC	西门子/SIEMENS
卷芯直径 / Film paper Core	76 mm（50 mm 选配/optional）	变频器 / Inverter	西门子/SIEMENS
膜卷重量 / Film weight	最大/Maximum 15KG	操作面板 / Touch screen	西门子液晶触摸屏/SIEMENS
机器功率 / Machine power	1.5KW	感应开关 / Sensor brand	德国西克/SICK (Germany Brand)
机器电压 / Voltage	220V-240V/50/60HZ Single-Phase (110V/50 Hz optional)	安全保护装置 / safety device	膜座底部防压防坠落装置film carriage bottom safety sensor
机器重量 / Machine weight	900KG	产品认证 / Certificate	欧盟认证/CE
机器尺寸 / Machine size	2842*1721*2730mm(L*W*H)	其他选配装置 / other optional	出口木箱None

SMART WASP
智慧缠绕包装解决方案

X500

INTELLIGENT FULLY AUTOMATIC M TYPE TURNTABLE PALLET WRAPPING MACHINE

全自动M型
智能缠绕包装机

- Suit for pallet jack load pallet on machine
- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3m)
- Max load weight :800KG
- Automatic cut and clamp film
- Automatic pallet grip system
- Film carriage safety device
- SIEMENS control system
- Remote control system
- Intelligent alarm system with LED indicator

Automatic Rope Grip System
自动制绳系统

自动制绳技术可以卷起一圈薄膜绳，并将其附着至托盘，可以固定货物。从而确保货物不会在运输途中滑出托盘。

Automatic rope technology can roll up a circle of film rope, and attach it to the tray to hold the goods. Ensure goods not slide out.

LCD Touch Operating System
LCD触控操作系统

操作直观、易懂！

Intuitionistic, easy to operate.

Alarm System
报警系统

设备运行过程中，需要调整时，自动发出警报，以便提醒工作人员及时处理。

Alarm automatically when emergency.

Remote Control System
一键遥控系统

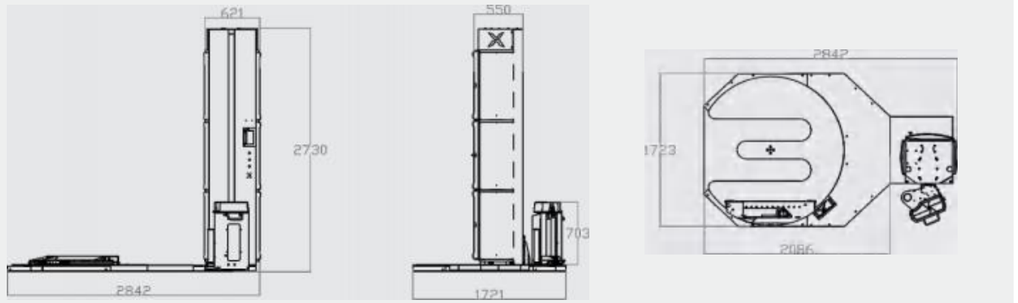
机器操作方便，通过遥控器启动机器和暂停机器更方便。

Machine easily operated by remote controls start machine and pause machine more convenient.

X500详细参数 Detailed parameters

型号 / Model	SMART WASP X500	特殊配件 / Spare Parts	品牌Brand
包装速度 / wrapping speed	20-25 loads/hour	变频器 / Inverter	西门子 SIEMENS
负载对角尺寸 / Load Size Diagonal	1753mm	传感器 / Sensor	德国西克 SICK
最大包装高度 / maximum Wrapping Height	2350mm	PLC	西门子 SIEMENS
转盘速度 / Turntable Speed	0-12RPM(Adjustable)	行程开关 / Travel Switch	欧姆龙 OMRON
转盘尺寸 / Turntable Size	1650mm	电机 / Motor	GPG
转盘驱动 / Turntable Drive	1PH	继电器 / Relay	OMRON
上切膜 / Film Cut and Clamp	全自动 Automatic	减速机 / Reducer	GPG
智能感应 / Intelli-Sensor	标准 Standard	触摸屏 / Touch screen	西门子7英寸 SIEMENS
标准膜宽度 / Standard Film Width	500mm	开关 / Switch	西门子 SIEMENS
定膜输出力 / Constant Film Delivery Force	标准Standard	压力传感器 / Pressure Sensor	德国品牌 Germany brand
标准预拉比 / Standard Pre-Stretch	300% pre-stretch	位置开关 / Position switch	欧姆龙 OMRON
产品包紧力 / Wrap Force	变量（电控）Variable (Electric)		
缠绕膜容量 / Film Capacity	直径 250mm Diametery	特殊工艺 / Special Process	说明 Introduction
膜传送系统 Film Delivery System	动力滚筒-弹性增加 Power Roller -Stretch Plus	框架 / Frame	不锈钢+ABS Steel+ABS
膜抓绳系统 Film Rope System	标准 Standard	喷漆 / Printing	金属漆 Metallic Paint
最大承载重量 maximum Load Weight	800KG	防坠落 / Fall-proof	内置安全带 Inside Safety Belt
机器重量 Machine Weight	950KG	切割 / Cutting	激光 Laser
机器尺寸 Machine Size	L:2842mm W:1721mm H:2730mm	旋转滚筒 / Turntable Roller	双尼龙滚筒 Double Nylon Roller
远程控制系统 Remote Control System	包含 Have	膜架上下驱动 / Up&Down Drive	皮带 Belt
电压 Voltage	110V/220V/50HZ	膜架上下导向 / Up&Down Guideway	双平衡装置 Double Balance Device

X500机器尺寸 Machine size



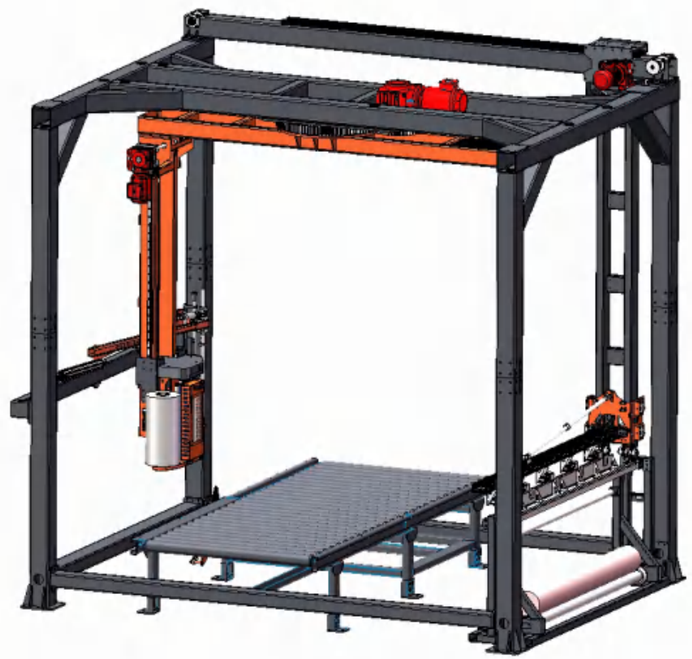
SMART WASP
智慧缠绕包装解决方案

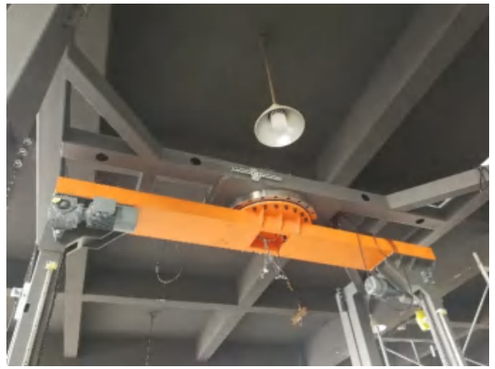
X1000

INTELLIGENT CANTILEVER FULLY AUTOMATIC PALLET WRAPPING MACHINE

全自动智能悬臂
缠绕包装机

- 1650mm Turntable
- 2350mm packing height
- 200% pre-stretch rate（1m stretch to 3 m）
- Max load weight :1500KG
- Automatic cut and clamp film
- Automatic pallet grip system
- Film carriage safety device
- SIEMENS control system
- Remote control system
- Intelligent alarm system with LED indicator





More Stable
更稳定

传动方式：回转支承.无噪音，使用寿命长，无需保养，不需要增加配重！

Transmission: slewing bearing. Noiseless, long service life, maintenance-free, no need to add additional counterweight.

更彻底

纯机构上断膜方式
100%不飘膜
全机械式断膜

More Powerful

Mechanical filming way
100% film-clamping effect
Mechanical film-cutting

Safer
更安全

增加了更多的主动性安全保护，提高被动安全的性能。急停机器运转，旋转距离减少75%，升降距离减少90%：超过设备包装高度机器板垫不通过，没到包装高度直接放行；换膜状态时，设备自动保护，启动不了。

Add more automatic safety protection, enhance security performance. After pressing emergency stop button, the rotating distance reduces 75%, lifting distance reduces 90%: The pallet can be conveyed to wrapping position, only when pallet height is smaller than max wrapping height, otherwise it can't. When operator changes film, the whole equipment is under automatic protection and can't be started.

更好的零部件

西克接近、光电开关
魏德米勒端子排
西门子PLC
西门子变频器

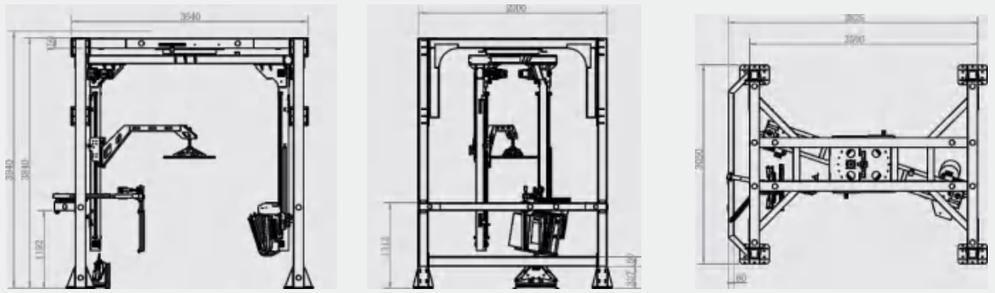
Better Spare Parts

SICK proximity switch, photoelectric sensor
Weidmuller terminal board
SIEMENS PLC
SIEMENS Inverters

X1000详细参数 Detailed parameters

型号 / Model	Smart Wasp X1000	配件 / Spare Parts	品牌 Brand
缠绕速度 / Maximum wrapping speed	30-35 loads/hour	变频器 / Inverter	SIEMENS(Germany)
包装尺寸 / max pallet size	1.2x1.2m	传感器 / Position sensor	SICK(Germany)
包装高度 / Maximum Wrapping Height	2000mm	PLC	SIEMENS
转速 / Ring Speed	0-30RPM(Adjustable)	行程开关 / Travel Switch	OMRON(Japan)
环直径 / Ring Size	2000mm	环驱动电机 / ring drive Motor	JSK
功率 / Ring Drive Power	1.5PH	继电器 / Relay	OMRON(Japan)
自动上切膜 / Film &Clamp Cut	自动、加热 Automatic (Heat type)	触摸屏 / Touch screen	SIEMENS
膜尺寸 / Standard Film Width	500mm	开关 / Switch	Schneider
恒力出膜 / Constant Film Delivery Force	标准 Standard	气缸 / Cylinder	亚德克
预拉比 / Standard Pre-Stretch	250%	升降电机 / up and down motor	JSK
缠绕膜规格 / Film Capacity	250mm 直径 Diameter		
加压装置 / Top pressure function	选配 optional		
输送线 / Lifting up conveyor	选配 optional	特殊工艺 / Special Process	材料说明 Introduction
覆顶机 / Top sheet dispensor	选配 optional	框架 / Frame	钢材 Steel
纸护角 / Paper corner fixer	选配 optional	印刷 / Printing	金属漆 Metallic Paint
尺寸 / Machine Size	3825*2900*3940m	切割 / Cutting	激光 Laser
重量 / Machine weight	2000KG		
电压 / Voltage	380V/60HZ		

X1000机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X1300

INTELLIGENT RING TYPE HIGH SPEED FULLY AUTOMATIC PALLET WRAPPING MACHINE

高速立式
智能缠绕包装机

- High wrapping speed from 45-95 pallet /H
- Automatic top sheet dispenser optional
- Automatic paper corner fixer optional
- Automatic cutting and clamping film
- Automatic pallet grip system optional
- SEW & SIEMENS motor drive system
- SIEMENS electronic control system

More Stable
更稳定

上升、下降、旋转、出膜全伺服控制，采用更稳定的传动方案，配合全新的4.0软件系统，整机运行更稳定。

Servo drive for lifting-up, lifting-down, rotating, film feeding, more stable transmission scheme and new 4.0 software system make the whole equipment run stably.

More Economical
更节省

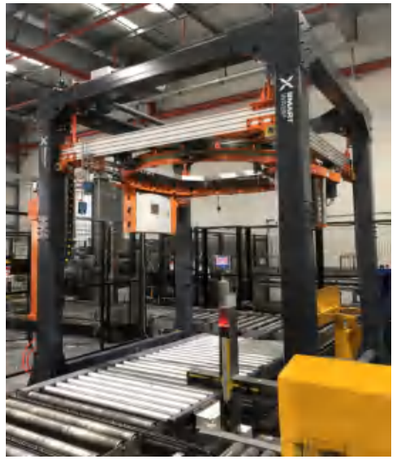
标配恒力出膜、定点定量缠绕，让每一米缠绕膜都实现她最大的价值。

Standard constant force film feeding system, fixed-point and quantitative wrapping system make every inch of film get the greatest value.

More Energy-efficient
更节能

三代机比二代机在运行更平稳、速度更快的情况下，机器总功率降低26.5%（三代机总功率11.75KW，二代机总功率16KW）

Compared with the Second-generation, the Third generation has more stable performance, higher speed, but the total power has lowered 26.5%（Total power of Third-generation is 11.75KW, Second-generation is 16KW）



Safer
更安全

增加了更多的主动性安全保护，提高被动安全的性能。急停机器运转，旋转距离减少75%，升降距离减少90%：超过设备包装高度机器板垫不通过，没到包装高度直接放行；换膜状态时，设备自动保护，启动不了。

Add more automatic safety protection, enhance security performance. After pressing emergency stop botton, the rotating distance reduces 75%, lifting distance reduces 90%: The pallet can be conveyed to wrapping position, only when pallet height is smaller than max wrapping height, otherwise it can't. When operator changes film, the whole equipment is under automatic protection and can't be started.

More simple
更简单

机构模块化设计，每个零部件都有她的身份证号，可单个零件便捷更换，也个整个部件向上直接升级更新一代的产品。
电气模块化设计，与前后系统对接更便捷、更简单。
可视化人机界面，操作简单、易懂。

Due to the modular design of mechanism, every part has its ID, and can be changed easily, which makes the whole components upgraded to create the new generation equipmentModular design of electric appliances makes system docking easier and more convenient.Visual HMI, simple to operate, easy to understand.

Better Spare Parts
更好的零部件

西门子伺服	SIEMENS Servo
西克接近、光电开关	SICK proximity switch, photoelectric sensor
魏德米勒端子排	Weidmuller terminal board
西门子PLC	SIEMENS PLC
德国FESTO气缸	German FESTO Air cylinder

More New Technology
更多的新科技

100%不飘膜	100% film-clamping effect
全机械式断膜	Mechanical film-cutting
全程制绳功能	Whole film roping function

More Intelligent
更智能

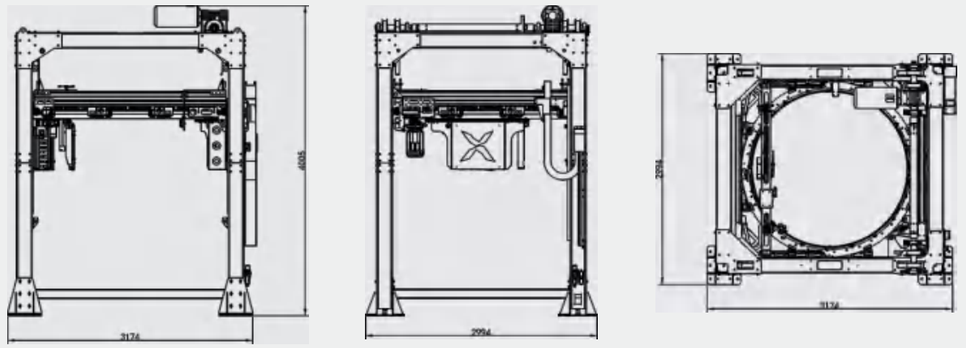
自带X-line智慧物联网模块，让所有运行状态一目了然。如果出现故障，厂家可以通过智慧X-line第一时间来排除。

With X-line SMART Internet of Things, all running status is clear. If any fault happens, supplier can troubleshoot and resolve issues immediately through SMART X-line.

X1300详细参数 Detailed parameters

型号 / Model	Smart Wasp X1300	配件 / Spare Parts	品牌 Brand
缠绕速度 / Maximum wrapping speed	45\60\90loads/hour	变频器 / Inverter	SIEMENS(Germany)
包装尺寸 / max pallet size	1.2x1.2m	传感器 / Position sensor	SICK(Germany)
包装高度 / Maximum Wrapping Height	2000mm	PLC	SIEMENS
转速 / Ring Speed	0-30RPM(Adjustable)	行程开关 / Travel Switch	OMRON(Japan)
环直径 / Ring Size	2200mm	环驱动电机 / ring drive Motor	SEW
功率 / Ring Drive Power	1.5PH	继电器 / Relay	OMRON(Japan)
自动上切膜 / Film &Clamp Cut	自动、加热 Automatic (Heat type)	触摸屏 / Touch screen	SIEMENS
最大负载 / Max Load Weight	2000KG	开关 / Switch	Schneider
膜尺寸 / Standard Film Width	500mm	气缸 / Cylinder	FESTO(Germany)&AIRTAC
恒力出膜 / Constant Film Delivery Force	标准 Standard	升降电机 / up and down motor	CPG
预拉比 / Standard Pre-Stretch	250%	输送电机 / film carriage motor	SIEMENS servo motor
滚动 / conveyor system	不锈钢201 Stainless Steel 201 直径diameter :76mm		
缠绕膜规格 / Film Capacity	250mm 直径 Diameter	特殊工艺 / Special Process	材料说明 Introduction
输送系统 / Film Delivery System	伺服电机 Servo motor control	框架 / Frame	钢材 Steel
上下传动系统 / up and down drive system	belt drive布带	印刷 / Printing	金属漆 Metallic Paint
加压装置 / Top pressure function	选配 optional	防坠落 / Fall-proof	防坠系统 anti drop system
输送线 / Lifting up conveyor	选配 optional	切割 / Cutting	激光 Laser
覆顶机 / Top sheet dispensor	选配 optional		
纸护角 / Paper corner fixer	选配 optional		
尺寸 / Machine Size	3174*2994*4005mm		
重量 / Machine weight	4000KG		
电压 / Voltage	380V/60HZ		

X1300机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

S300

INTELLIGENT ONLINE FULLY AUTOMATIC PALLET WRAPPING MACHINE

在线式
智能缠绕包装机

- Slewing ring Turntable
- 2350mm packing height
- 200% pre-stretch rate(1m stretch to 3 m)
- Max load weight :3000KG
- Automatic cut and clamp film (heat type) Automatic pallet grip system
- Film carriage safety device
- SIEMENS control system
- Remote control system
- Intelligent alarm system with LED indicator

Save Packaging Materials
节省包装材料

300%预拉比，相比传统的包装机器可节省30%的缠绕膜。

300% Pre-stretch rate , save 30% film compared to traditional pallet wrapping machine .

Automatic Rope Grip System
全自动制绳系统

薄膜底部变窄成薄膜绳，薄膜绳在包装过程中夹紧托盘和产品。
1）在运输过程中，无需担心托盘剧烈振动时产品掉落
2）如果叉车损坏了托盘底部的薄膜，胶片不破裂
3）托盘底部抓地力和全程抓地力可替代卧式缠绕机

Film bottom narrowed to become film rope , film rope grip to pallet & products during wrapping.
1)During transport ,no need worry the products fall down when the pallets get violent vibration .
2)If the forklift damage the film on the bottom of pallet ,the film do not breach .
3)Pallet bottom grip and whole journey grip can replace the horizontal strapping machine .

SIEMENS Touch Screen
西门子智能操作显示器

我们的触摸屏、变频器和PLC全都采用西门子的。我们不希望使用廉价的国产品牌备件，因为这可能会在一年内给我们的客户带来很多麻烦。

We all use Siemens Touch Screen, Siemens Inverter and Siemens PLC. We do not want to use cheap China brand spare parts that may cause lots of trouble to our customers within a year.

Slewing Bearing Turntable
回转支承转台

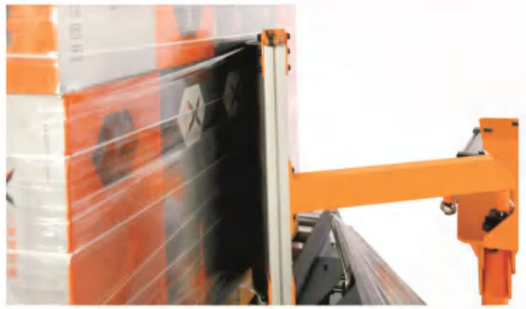
有效提高底盘的承重能力，最大承载可达3000KG，同时可以彻底避免传统链条传动的链条断裂问题；
运行过程中安静、稳定、振动小，寿命可达传统链条传动式在线缠绕机底盘的三倍以上。

Smart Wasp online pallet wrapper use the slewing bearing turntable ,max load weight 3000KG ,more quiet and lower vibration compare with the chain drive turntable.

Auto Cut & Clamp Film System
全新设计的热式上切膜功能

采用全新设计的上切膜系统，托盘包装完成后，尾部将托盘密封完美。

Smart Wasp fully automatic pallet wrapper new designed cut and clamp film system ,after pallet finish wrapped ,the tail will be sealed on the pallet perfect .



Durable Conveyor
高标准输送平台

前后输送线的过度滚筒采用链条传动式，避免传统无动力过度滚筒在前后输送线衔接输送过程中的动力中断造成的卡顿问题。

The transition roller of the front and rear conveyor line adopts the chain transmission type to avoid the problem of jam caused by the power interruption of the traditional powerless transition roller in the process of connecting and conveying the front and rear conveyor line.

SIEMENS Electronic Control System
西门子控制系统

小黄蜂在线缠绕机安装的所有电气部件，不要再使用独立的控制箱，这样安装起来就容易多了。小黄蜂的所有电气部件都使用西门子、欧姆龙等顶级品牌。好的备件对机器的质量是非常重要的。

Smart Wasp online pallet wrapper all the electric parts installed inside of the machine . Do not use a independent control box any more ,in this way ,it will be much easier install the machine .all the electric parts smart wasp just use top brand like SIEMENS ,and OMRON. Good spare parts is very important for quality of the machine .

More Intelligent
更智能

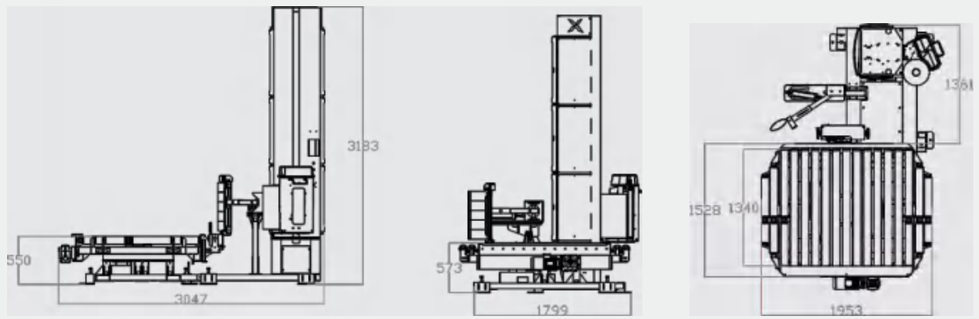
自带X-line智慧物联网模块，让所有运行状态一目了然。如果出现故障，厂家可以通过智慧X-line第一时间来排除。

With X-line SMART Internet of Things, all running status is clear. If any fault happens, supplier can troubleshoot and resolve issues immediately through SMART X-line.

S300详细参数 Detailed parameters

型号 / Model	Smart Wasp S300	配件 / Spare Parts	品牌 Brand
包装速度 / Maximum wrapping speed	30-40 loads/hour	变频器 / Inverter	西门子 SIEMENS
负载对角尺寸 / Load Size Diagonal	1680mm	位置传感器 / Position sensor	西克 SICK
包装高度 / Maximum Wrapping Height	2350mm	PLC	西克 SIEMENS
转速 / Turntable Speed	0-16RPM(Adjustable)	行程开关 / Travel Switch	欧姆龙 OMRON
转盘尺寸 / Turntable Size	1800mm(length side)	电机 / Motor	GPG
转盘驱动 / Turntable Drive	1.5PH	继电器 / Relay	欧姆龙 OMRON
上切膜 / Film &Clamp Cut	全自动 Automatic (热式 Heat type)	触摸屏 / Touch screen	西门子7寸 SIEMENS 7inch
承载重量 / max load weight	2000KG	开关 / Switch	施耐德 Schneider
标准膜宽度 / Standard Film Width	500mm		
定膜输出力 / Constant Film Delivery Force	标准 Standard		
标准预拉比 / Standard Pre-Stretch	250% pre-stretch		
滚筒材料 / Roller Materials	201不锈钢 Stainless Steel 201 直径 diameter 89mm		
缠绕膜容量 / Film Capacity	250mm Diametery	特殊工艺 / Special Process	说明 Introduction
膜传递系统 / Film Delivery System	动力滚筒-弹性增加 Power Roller -Stretch Plus	框架 / Frame	不锈钢+ABS Steel+ABS
膜抓绳系统 / Film Rope System	可选 Optional	喷漆 / Printing	金属漆 Metallic Paint
称重 / Weighing Scale	可选 Optional	防坠落 / Fall-proof	内置安全带 Inside Safety Belt
机器重量 / Machine Weight	1200KG	切割 / Cutting	激光 Laser
机器尺寸 / Machine Size	L:3047mm W:1799mm H:3183mm	旋转滚筒 / Turntable Roller	双尼龙滚筒 Double Nylon Roller
转盘技术 / Turntable technology	回转环 Slewing Ring	膜架上下驱动 / Up&Down Drive	皮带 Belt
电压 / Voltage	220V/50HZ 1phase /380V 3 phase 60HZ	膜架上下导向 / Up&Down Guideway	双平衡装置 Double Balance Device

S300机器尺寸 Machine size



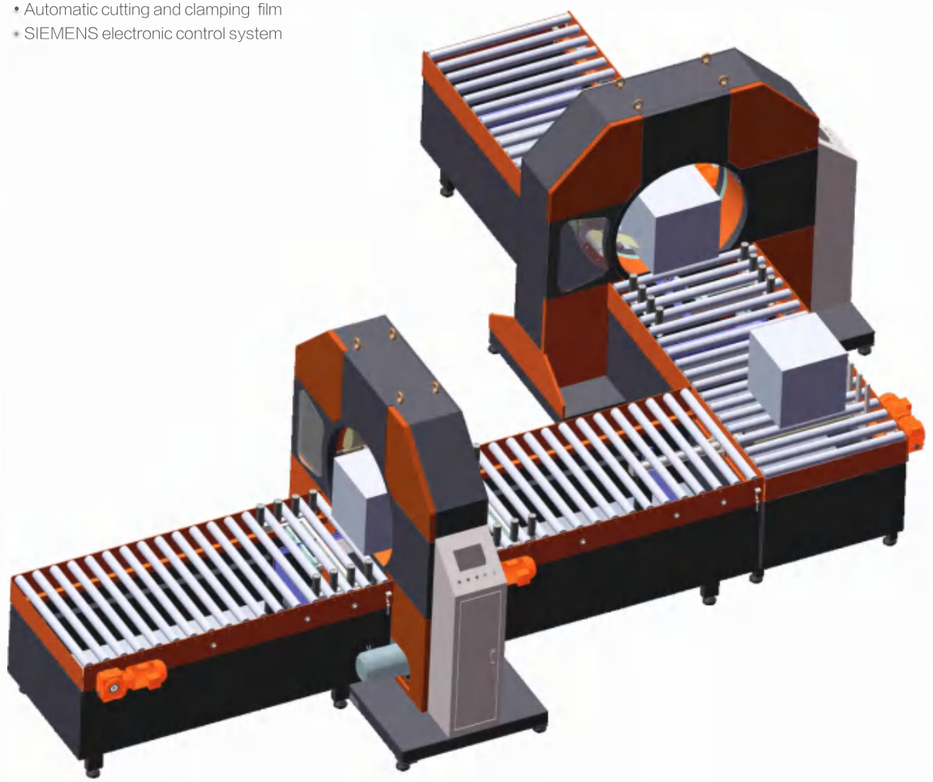
SMART WASP
智慧缠绕包装解决方案

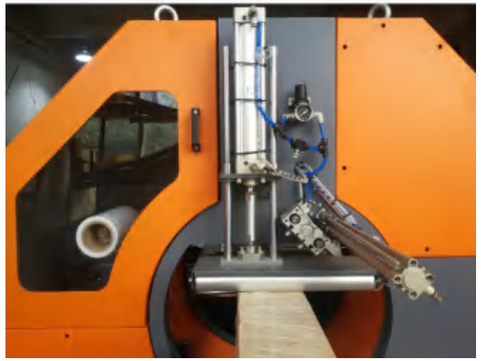
S600

INTELLIGENT ONLINE FULLY AUTOMATIC
PALLET WRAPPING MACHINE

卧式
智能缠绕包装机

- Horizontal type wrap long products
- Infeed and outfeed top pressure
- SEW motor drive system
- Automatic cutting and clamping film
- SIEMENS electronic control system

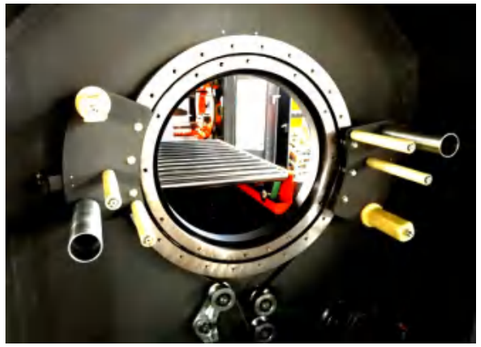




New Design & Advanced Technology
全新设计&先进技术

S600水平卧式缠绕机是小黄蜂的最新研发产品，技术在全世界处于领先水平。

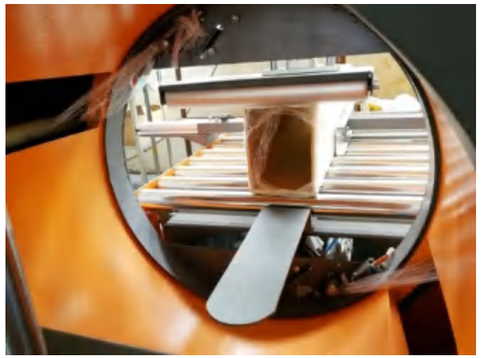
S600 horizontal wrapping machine is new designed by Smart Wasp team, and the technology is advanced in the word.



Slewing Bearing Ring System
回转轴承环系统

采用回转轴承环系统，噪音低，振动小，以后无需维修。

Smart Wasp pallet wrapper use the slewing bearing ring system , quiet and lower vibration .no need maintenance in future.



Double Film Carriage With Fully Automatic Cutting and Clamping System
双膜架，全自动上切膜系统

S600配有两个薄膜架，包装速度提高50%，并采用全自动上切膜系统。

S600 Hrizontal wrapping machine with Two film carriage , the wrapping speed improve 50% ,and use fully automatic cutting and clampping system .

Switzerland brand Habers drive belt .Durable and quiet .
瑞士品牌哈珀传动带，安静且耐用。

SIEMENS Intelligent Operate Pannel
西门子智能操作显示器

我们的触摸屏、变频器和PLC全都采用西门子的。我们不希望使用廉价的中国品牌备件，因为这可能会在一年内给我们的客户带来很多麻烦。

We all use Siemens Touch Screen, Siemens Inverter and Siemens PLC. We do not want to use cheap China brand spare parts that may cause lots of trouble to our customers within a year.

Top Pressure With Double Roller
双滚筒顶压

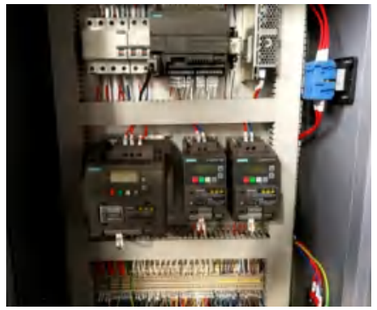
小黄蜂S600缠绕机的Airtac缸体采用双滚轮托住产品顶部，确保产品进入机器时的稳定性。

Smart Wasp S600 pallet wrapping machine Airtac cylinder with two roller hold the top of the products make sure the stability during products going into machine.

SIEMENS Electronic Control System
西门子控制系统

小黄蜂在线缠绕机安装的所有电气部件，不要再使用独立的控制箱，这样安装起来就容易多了。小黄蜂的所有电气部件都使用西门子、欧姆龙等顶级品牌。好的备件对机器的质量是非常重要的。

Smart Wasp online pallet wrapper all the electric parts installed inside of the machine . Do not use a independent control box any more ,in this way ,it will be much easier install the machine .all the electric parts smart wasp just use top brand like SIEMENS ,and OMRON. Good spare parts is very important for quality of the machine .



High Quality Conveyor With Adjustable Infeed Guide Device
高品质输送系统，带可调节进给导向装置

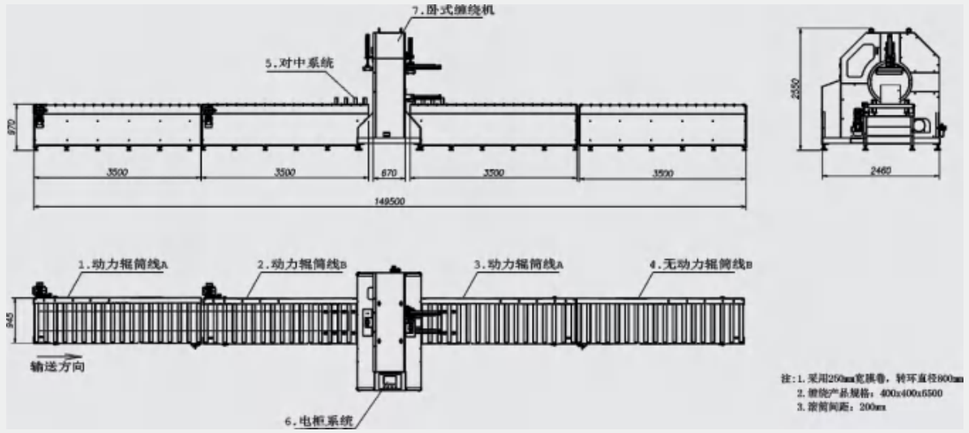
S600采用SUS输送机，每台输送机均设有急停装置，进给导向装置可根据不同的产品尺寸进行调整。

Smart Wasp S600 use SUS conveyor ,each conveyor with emergency stop ,the infeed guide device can be adjust to different products size .

S600详细参数 Detailed parameters

型号 / Model	Smart Wasp S600	特殊要求 / Special Requirements	说明 Introduction
包装尺寸 / maximum wrapping size	0.5x0.5 m (WXH) 800mm(Diameter)	输入和输出系统 Input and output conveyor	滚动输送系统 Roller conveyor
环速度 / Ring speed	0-30r/min	输送系统宽度 / Conveyor width	700mm
环直径 / Ring Diameter	800mm	输送系统承重 / Conveyor	最大Max 50KG/M
最大负载 / maximum loading weight	500KG		
输出高度 / Output height	800mm		
功率 / Motor Drive	1.5KW		
上切膜 / Put film&cuft film	全自动 Automatic		
缠绕膜 / Film	LLDPE		
缠绕膜宽度 / Film Width	250mm		
输入输送系统 / Input conveyor	7m输入辊式输送机 7m input roller conveyor		
输出输送系统 / Output conveyor	7m输出辊式输送机 7m output roller conveyor		
导轨 / Guide rail	有 Have		
控制方式 / Control Type	PLC		
安全门 / Satety door	有 Have		
机器重量 / Machine Weight	600KG		
机器尺寸 / Machine Size	L:14950mm W:2460mm H:2550mm		
语言 / Language	根据客户需求 According to customer requirments		
电压 / Voltage	380V/220V/110V/50HZ /60HZ 1 P/3P		

S600机器尺寸 Machine size



SMART WASP
智慧缠绕包装解决方案

X0ms

INTELLIGENT BASIC PALLET WRAPPING MACHINE

- 1500mm turntable
- 2000mm packing height
- Max load weight: 1500KG
- **Mechnical Stretch**
- Comprehensive safety protection system
- X-line operation panel

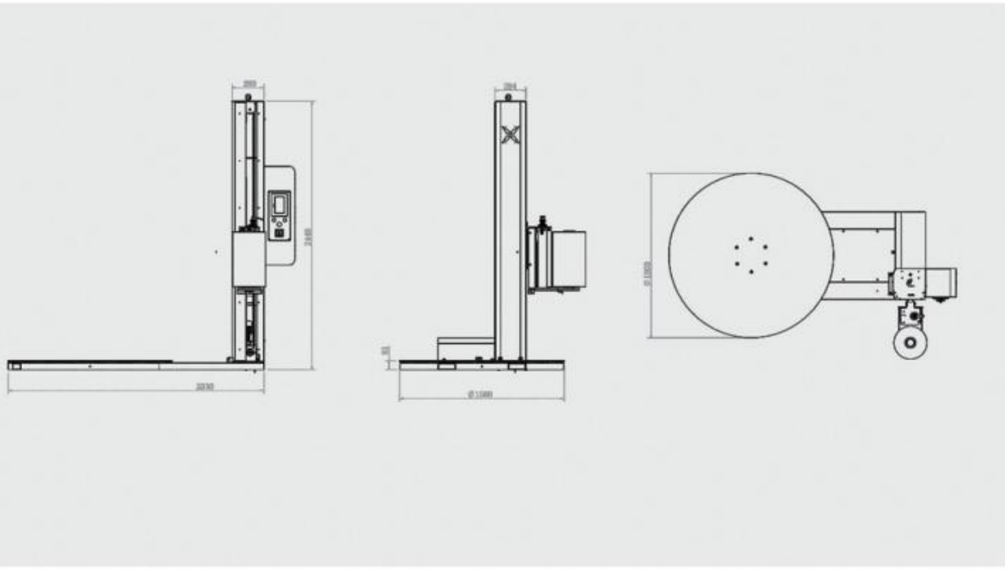
X0ms Technical Sheet

Detailed parameters

Brand	SmartWasp	Model	X0ms
Load weight	1500KG	Soft start&stop	Included
Turntable speed	3 ~12r/min	Intelligent alarm	Included
Packing height	2000mm	Stop at original	Included
Turntable size	1500mm	Speed adjustable	Included
Pre-stretch rate	Adjustable	Top pressure device	Optional
Up&down speed	1.5 ~5.5m/min	Fix film on pallet	manual
Wrapping speed	30loads/h	Remote start machine	Optional
Film Width	500mm	PLC	X-line
Film diameter	250mm	Inverter	X-line
Film paper Core	76mm	Touch screen	X-line
Film weight	15KG	Sensor brand	SICK
Machine power	1.49KW	Safety device	Film carriage fall protection and locking device , Film carriage pressure protection device
Voltage	220V	Certificate	CE
Machine weight	620KG	Optional device	Ramp ,Weighing scale
Machine size	2330*1500*2448mm(L*W*H)		

X0ms Machine Size

Machine size



SMART WASP

X0ps

INTELLIGENT BASIC PALLET WRAPPING MACHINE

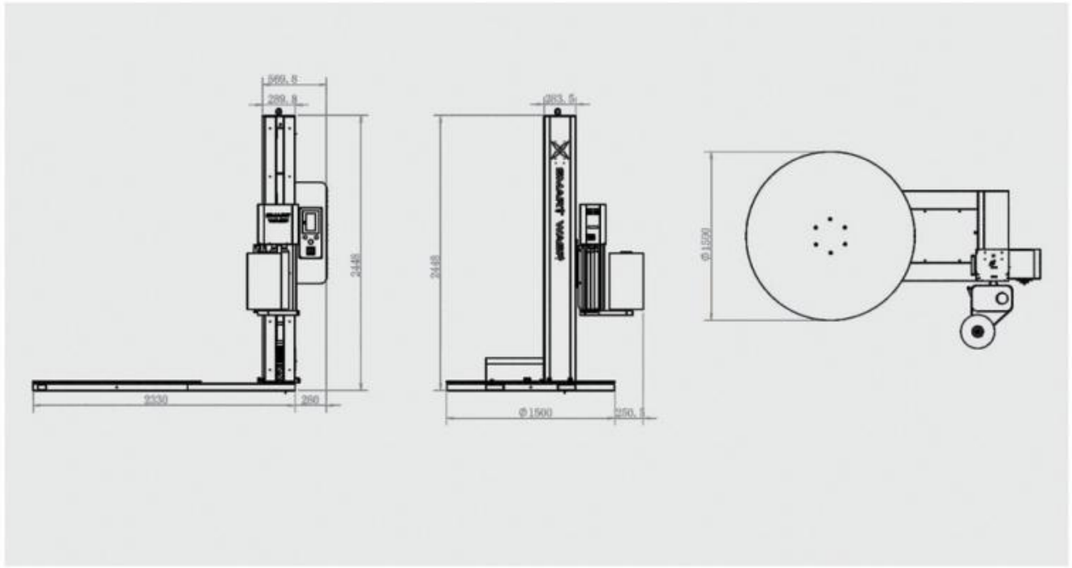
- 1500mm turntable
- 2000mm packing height
- Max load weight: 1500KG
- 200% pre-stretch rate(1m stretch to 3m), save packing cost
- Comprehensive safety protection system
- X-line operation panel

X0ps Detailed parameters

Brand	SmartWasp	Model	X0ps
Load weight	1500KG	Soft start&stop	Included
Turntable speed	3~12r/min	Intelligent Alarm	Included
Packing height	2000mm	Stop at original	Included
Turntable size	1500mm	Speed Adjustable	Included
Pre-stretch rate	200%(1m stretch to 3m)	Top pressure device	Optional
Up&down speed	1.5-5.5m/min	Fix film on pallet	manual
Wrapping speed	30loads/h	Remote start machine	Optional
Film Width	500mm	PLC	X-line
Film diameter	250mm	Inverter	X-line
Film paper Core	76mm	Touch screen	X-line
Film weight	15KG	Sensor brand	SICK
Machine power	1.49KW	Safety device	Film carriage fall protection and locking device , Film carriage pressure protection device
Voltage	220V	Certificate	CE
Machine weight	620KG	Optional device	Ramp ,Weighing scale
Machine size	2330*1500*2448mm(L*W*H)		

X0ps Machine Size

Machine size



SMART WASP
智慧缠绕包装解决方案

SMART WASP SUPER STRETCH FILM

小黄蜂超级 **缠绕膜**

- HIGH STRETCH RATE
- HIGH TRANSPARENT
- HIGH RETRACTIVE FORCE
- HIGH AUTOHESION
- FRACTURE RESISTANCE
- PENETRATION RESISTANCE

超级缠绕膜详细参数 Detailed parameters

品牌 / Brand	小黄蜂/SmartWasp
型号 / Model	纳米超级缠绕膜/NANO SUPER STRETCH FILM
材质 / Material	LLDPE
拉伸比 / Stretch Rate	400%
厚度 / Thickness	14mic
长度 / Length	2140m
密度 / Density	0.92
宽度 / Width	500mm
层数 / layer	31 layers
重量 / Weight	净重/net weight :13.8KG 毛重/gross:15KG
纸芯尺寸 / Paper core diameter	76mm
颜色 / color	Transparent

High Transparent
高透明度

在预拉情况下依然保持高透明度，并保持良好的任性和张力，可有效包裹货物。

After pre-stretch, the film still keep high transparent without wrinkles.

High Tension Force
高回缩

预拉伸后，仍保持高张力，确保货物能被紧紧包裹。

After pre-stretch ,still keep high tension force, make sure the cargo can be wrapped tight .

Film Edge Without Shrink
预拉无缩边

配合小黄蜂智能缠绕机使用，预拉比达350%并且无缩边现象，提高膜的使用效率。

Smart wasp super film works with smart wasp pallet wrapping machine， the edge without shrink .

Every Standard Pallet Cost Film Under 150g
每个标准托盘使用量低于150克

传统缠绕膜，每个标准托盘使用量达250克，使用小黄蜂纳米缠绕膜可节省40%。

Traditional film , every standard pallet needs cost 250g , the smart wasp super film ,can save 40% film for every pallet .

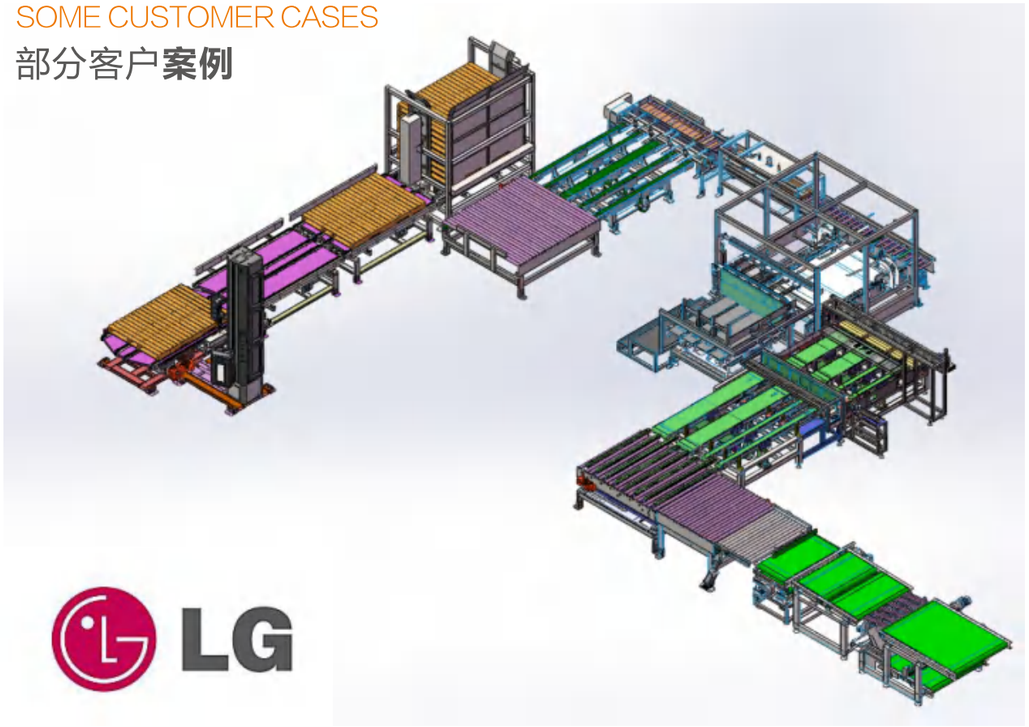
Small Wasp Super Film are suitable for pallet packing and parcels of scattered and semi-finished goods within the factory.
The use of film wrapped on pallet let the goods more closely,
Stretch film can prevent the collapse of goods, dust, moisture, play the role of protection of goods
While making the turnover more flexible and convenient, reduce labor, improve efficiency and reduce the cost of the effect.

World’s Leading LABS

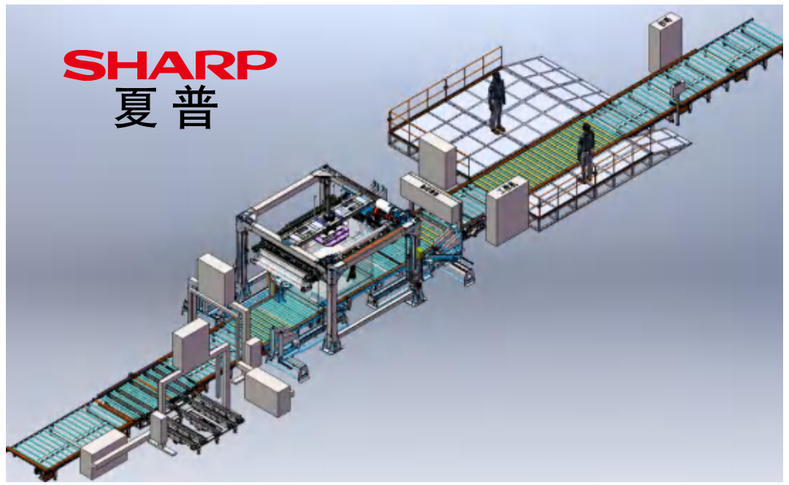
By simulating different tray transport scene,
We collect data to optimize machine
Thus ensuring every machine from Smart Wasp is 100% safe.

SOME CUSTOMER CASES

部分客户**案例**



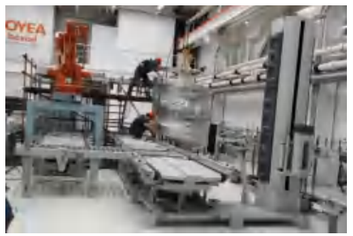
LG



GREE 格力

亿滋食品

雅培



喜力啤酒

舒尔电子

金玉米

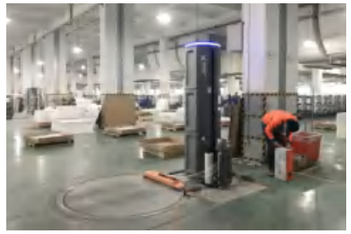
中烟

仅一

GiFi连锁百货

荣盛集团

普杰无纺布



舒尔电子

中粮集团

山东小鸭

宜家

深圳科瑞

泰国客户

聚源

广东丰华

兰蒂奇

徐州卧牛山

盛虹化纤

河北沃润达

Carton Sealer

MIRATECH
MIRATECH SUPPLIES PTE LTD

CHS-6602
Semi-Auto Carton Sealer

Features
- This machine adopts top and bottom motor drive, suitable for high carton.
- Side auxiliary device can fix the carton position in order to make sure the carton delivering smoothly.
- The strength of taping head and working table height can be easily adjusted and suitable for various types of cartons.

Specifications

Model	CHS-6602
Function	TOP& BOTTOM DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=150~∞mm, W=180~500mm, H=110~500mm
3 " Standard carton dimension	L=150~∞mm, W=180~500mm, H=110~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1105 x 785 x 1420 mm

※Customized specifications are available.

Features
- Motor driven belt at top & bottom. It is suitable for flat carton and styrofoam cartom edge sealing.
- Easy operation, standard components.

Specifications

Model	CHS-6604
Function	TOP& BOTTOM DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=150~∞mm, W=250~650mm, H=110~250mm
3 " Standard carton dimension	L=150~∞mm, W=250~650mm, H=135~250mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	930 x 1180 x 1150 mm

※Customized specifications are available.

CHS-6604
Carton Sealer-Side Seal

Features
- Top and side driven belts are suitable for packing heavy products.
- Adjustable the width manually. The carton size can be changed anytime manually.

Specifications

Model	CHS-6603
Function	TOP& SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=150~∞mm, W=130~500mm, H=110~500mm
3 " Standard carton dimension	L=150~∞mm, W=155~500mm, H=110~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1250 x 960 x 1420 mm

※Customized specifications are available.

CHS-6603
Semi-Auto Carton Sealer

CHS-6605S
Carton Folding Sealer

Features
- When operator feeds the carton into the machine, the machine will fold the carton's front flap, rear flap and side flaps automatically then proceed to tape the carton and send out the carton.
- The height and the width of the carton can be adjusted by crank handle, easy adjustment. This machine is suited carton size simplicity production line.

Specifications

Model	CHS-6605S
Function	SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V, 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=150~550mm, W=130~500mm, H=120~500mm
3 " Standard carton dimension	L=150~550mm, W=150~500mm, H=120~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1900 x 960 x 1600 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

CHS-6603A
Auto Carton Sealer

Features
- Side drive device can automatically fix the carton position and start sealing.
- Top and side drive belts are suitable for heavy products.
- The working table height is adjustable.
- It is available for automatic production line.

Specifications

Model	CHS-6603A
Function	TOP& SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=150~∞mm, W=130~500mm, H=120~500mm
3 " Standard carton dimension	L=150~∞mm, W=155~500mm, H=120~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1250 x 910 x 1315 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

Features
- The width and height of carton are adjusted by automatic pneumatic system , suitable for the production line with various sizes of cartons.
- The top flaps of carton will be automatically folded and be sealed smoothly at a time. It's suitable for using with the automation packaging system.

Specifications

Model	CHS-6605A
Function	SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V, 50/60HZ
Tape width	2" or 3" (according to customer need)"
2 " Standard carton dimension	L=250~500mm W=130~500mm H=150~500mm
3 " Standard carton dimension	L=250~500mm, W=150~500mm H=150~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1985 x 950 x 1625 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

CHS-6605A
Auto Carton Folding Sealer

Carton Sealer

CHS-6606
Carton Underside Sealer

Features
- Suitable for purpose carton sealing.
- Manually does carton loading; automatically folding bottom flaps. The carton enters into the carton sealing machine.

Specifications

Model	CHS-6606
Power supply	1φ, 110V/220V/240V, 50/60HZ
Tape width	2" or 3" (according to customer need)
Minimum carton size(LxWxH)	300 x 230 x 600 mm
Maximum carton size(LxWxH)	600 x 400 x 600 mm
Machine size(LxWxH)	1300 x 870 x 1500 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

Features
- The height and width of the carton are easily adjusted by crank handle.
- This machine is suitable for few carton sizes production line.

Specifications

Model	CHS-6702
Function	TOP & BOTTOM DRIVE
Power supply	1φ, 110V/220V/240V, 50/60HZ
Tape width	2" or 3" (according to customer need)
3" Standard carton dimension	L=280~700 mm, W=200~600 mm, H=200~600 mm
Working table height	570~770mm
Convey speed	20 M/min
Machine size(LxWxH)	2100 x 1470 x 1500 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

CHS-6702
Semi-Auto Carton Edge Sealer

CHS-6702A
Auto Carton Edge Sealer

Features
- The width and height are all adjusted by the automatic pneumatic device.
- After passing through the center machine, the carton enters in the full auto carton edge sealing machine. Auto sealing the top and bottom edges.
- This machine is suitable for production line of various sizes of carton

Specifications

Model	CHS-6702A
Function	TOP & BOTTOM DRIVE
Power supply	1φ, 110V/220V/240V, 50/60HZ
Tape width	2" or 3" (according to customer need)
3" Standard carton dimension	L=280~630 mm, W=220~520 mm H=225~600 mm
Working table height	570~770mm
Convey speed	20 M/min
Machine size(LxWxH)	2100 x 1450 x 1500 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

MIRATECH
MIRATECH SUPPLIES PTE LTD

Carton Sealer

CHS-6601
Carton Sealer

Features
- Motor driven belt at both sides, suitable for narrow carton.
- Working table height is adjustable with the front/rear conveyor.
- New designed upper taping head can automatically adjust uneven carton.
- Front/rear conveyor are optional.

Specifications

Model	CHS-6601
Function	SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2 " or 3 " (according to customer need)
2 " Standard carton dimension	L=150~∞mm, W=110~500mm, H=110~500mm
3 " Standard carton dimension	L=150~∞mm, W=135~500mm, H=110~500mm
Working table Height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1250 x 960 x 1420 mm

※Customized specifications are available.

Features
- Motor driven belt at both sides.
- The pole height and the distance between right drive and left drive are adjusted by crank handle.

Specifications

Model	CHS-6601S
Function	SIDE DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2 " or 3 " (according to customer need) "
2 " Standard carton dimension	L=150~∞mm, W=110~500mm, H=120~500mm
3 " Standard carton dimension	L=150~∞mm, W=135~500mm, H=120~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1250 x 960 x 1150 mm

※Customized specifications are available.

CHS-6601S
Semi-Auto Carton Sealer With Expansion Bracket

CHS-6601A
Auto Carton Sealer

Features
- Automatically adjust the height and width of carton according to different cartons size.
- Side drive and upper taping head are controlled by cylinder, and automatically fix the position of carton. Available for production equipment.
- Working table height can be adjusted with the front/rear conveyor height.
- Front/rear conveyor are optional.

Specifications

Model	CHS-6601A
Function	SDE DRIVE
Power supply	1φ, 110V/220V/230V/240V 3φ, 380V/415V/440V , 50/60HZ
Tape width	2 " or 3 " (according to customer need) "
2 " Standard carton dimension	L=150~∞mm, W =130~500mm, H=120~500mm
3 " Standard carton dimension	L=150~∞mm, W=155~500mm, H=120~500mm
Working table height	570~770 mm
Convey speed	20 M/min
Machine size (LxWxH)	1250 x 910 x 1315 mm
Air compressor	6 KG/cm²

※Customized specifications are available.

SEALER MACHINE

HAND TYPE IMPULSE SEALER

Characteristic

- Simple three steps operation. No warm up required. Enhance the appearance and value of your product, protecting it against dirt, dust, moisture and handling.
- System includes: I Bar Sealer, timer, heat gun with two speeds and holder, film rack, and outlet plug.
- High quality impulse sealing machine.
- Suitable for PVC, POF, PE shrink films.

Model	CHI-450IB Hand type impulse sealer	CHI-600IB Hand type impulse sealer
Power	1 phase 110V/220V	1 phase 110V/220V
Power consumption	600 W	800 W
Sealing size	L450MM x W0.8MM	L600MM x W0.8MM
Working height	50MM	50MM
Machine size	L = 660 MM W = 400 MM H = 160 MM	L = 810 MM W = 400 MM H = 160 MM

DESK IMPULSE SEALER

Characteristic

- One-step fast acting shrink wrap system for PVC, POF shrink films. Unit makes 2 seals at one time with energy saving timer.
- 450mm x 450mm bars seal and cut film up to 0.025 mm thickness. 500 Watt power, seal time 1 ~ 4 seconds. System includes: film dispenser rack.
- High quality impulse sealing machine.

Model	CHL-450 Hand type impulse sealer	CHL-600 Hand type impulse sealer
Power	1 phase 110V/220V	1 phase 110V/220V
Power consumption	1300 W	1666 W
Sealing size	L450MM x W450MM	L600MM x W600MM
Working height	50MM	50MM
Machine size	L = 1200 MM W = 630 MM H = 200 MM	L = 1350 MM W = 810 MM H = 200 MM

DESK IMPULSE SEALER

Characteristic

- Electric magnetic design, easily operate without air compressor.
- Sealing time is adjustable.
- Working height is adjustable, sealing line height can also be adjusted according to product's size.
- When sealing, there will be a beep sound to inform the process is completed.
- Simple three steps operation. No warm up required. Enhance the appearance and value of your product, protecting it against dirt, dust, moisture and handling.

Model	CHL-450C Desk impulse sealer	CHL-600C Desk impulse sealer
Power	1 phase 110V/220V	1 phase 110V/220V
Power consumption	1300 W	1666 W
Sealing size	L450MM x W450MM	L600MM x W600MM
Machine size	L = 850 MM W = 750 MM H = 360 MM	L = 1000 MM W = 900 MM H = 360 MM

DESK IMPULSE SEALER

Characteristic

- Electric magnetic design, easily operate without air compressor.
- Sealing time is adjustable.
- Working height is adjustable, sealing line height can also be adjusted according to product's size.
- When sealing, there will be a beep sound to inform the process is completed.
- With working table, the product can be placed on the sealing section easily.
- Simple three steps operation. No warm up required. Enhance appearance and value of your product, protecting it against dirt, dust, moisture and handling.

Model	CHL-450CT Desk impulse sealer	CHL-600CT Desk impulse sealer
Power	1 phase 110V/220V	1 phase 110V/220V
Power consumption	1300 W	1666 W
Sealing size	L450MM x W450MM	L600MM x W600MM
Working height	800MM	800MM
Machine size	L = 1200 MM W = 750 MM H = 360 MM	L = 1500 MM W = 900 MM H = 360 MM

MIRATECH

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L-Type Sealer

CHL-4550A
Auto L-type Sealer

FEATURES

- It fits for automatic production effect. This machine is available for various kinds of films such as OPP, PP, PE, and POF film.
- We can choose vertical photoelectric cell or horizontal photoelectric cell according to size of product.
- The conveyor width can be adjusted fast and easily pack different size of products.
- Moveable conveyor is available. It is suitable for small product.

SPECIFICATIONS

Model	CHL-4550A
Power supply	1φ,220V/240V
Watts	1.5 kw
Sealing size(WxL)	450 x 500 mm
Conveyor speed	18 M/min
Packaging height	10~120 mm
Air comperssor	6 KG/cm²
Machine size(LxWxH)	1600 x 950 x 1450 mm
Sealing bar	Automatic

※Customized specifications are available.

FEATURES

- The sealing & cutting control is using instantaneous heating. Speedy sealing & cutting, electricity saving. Available to change the sealing time & cutting and temperature required upon the thickness of plastic film.
- 3 section temperature control (high, middle, low) keeps the sealing line in good situation.
- We offer instantaneous heating type and constant heating type sealers for choosing.

SPECIFICATIONS

Model	CHL-5050B	CHL-6060B
Power supply	1φ,220V/240V	
Watts	1.2 kw	1.5 kw
Sealing size(WxL)	500 x 500 mm	600 x 600 mm
Conveyor speed	10 M/ min	
Packaging height	10~250 mm	10~300 mm
Air comperssor	6 KG/cm²	
Machine size(LxWxH)	1700 x 900 x 1050 mm	1900 x 1000 x 1050 mm
Sealing bar	Pneumatic	

※Customized specifications are available.

CHL-5050B/6060B
Semi-Auto L-type Sealer

CHL-4050C/5060C
Electric Magnetic L-type Sealer

FEATURES

- The series of machines conform to CE standards.
- Electric magnetic design, it is available to operate without air compressor.
- Adjustable film dispenser, sliding prick easily replacing shrink film. Conveyor height adjustable

SPECIFICATIONS

Model	CHL-4050C	CHL-5060C
Power supply	1φ,220V/240V	
Watts	3.1 kw	3.8 kw
Sealing size(WxL)	400 x 500 mm	500 x 600 mm
Conveyor speed	10 M/ min	
Packaging height	250 mm	300 mm
Air comperssor	Electric Magnetic	
Machine size(LxWxH)	1625 x 790 x 1000 mm	1825 x 890 x 1100 mm
Sealing bar	Manual	

※Customized specifications are available.

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Shrink Packaging Machine

Features

- Full re-circulating air chamber.
- PID temperature control.
- Adjustable air velocity control.
- Conveyor speed is adjustable.
- Roller conveyor. Teflon mesh overlay is optional.
- Automatic shut off after tunnel cool down.
- The electrical control parts has overheat compensator protection to shut off the power.

CN-4520US/6530US
Heat Shrink Tunnel

CN-4520PD/6530PD
Heat Shrink Tunnel

Features

- Full re-circulating air chamber.
- Dual heat insulation plate unable causes around temperature overhrat. The safety shields-protect from heat.
- PID temperature control.
- Conveyor chain used the solid roller, exterior is packed by high temperature silica gel , burden with heavy products.
- Roller conveyor. Teflon mesh overlay is optional.
- The electrical control parts has overheat compensator protection to shut off the power.

Specifications

Model	CN-4520US	CN-6530US	CN-4520PD	CN-6530PD
Power supply	3φ,220V/380V			
Watts	18 kw	24 kw	9 kw	15 kw
Tunnel size(LxWxH)	700 x 450 x 200 mm	1200 x 650 x 300 mm	1000 x 450 x 200 mm	1200 x 650 x 300 mm
Conveyor speed	2~10 M/min		10 M/min	
Conveyor size(LxWxH)	1000 x 450 x800 mm	1600 x 650 x 800 mm	1400 x 450 x 200 mm	1600 x 650 x 760 mm
Machine size(LxWxH)	1000 x 665 x1500 mm	1600 x 865 x 1600 mm	1400 x 760 x 1450 mm	1600 x 960 x 1550 mm

※Customized specifications are available.

CN-4520AL+CHL-4550A

CN-4520AL+CHL-5050B

CHM-8040A+CN-8540E

CN-4520US+CHL-4050C

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Shrink Packaging Machine

CN-4015A/4520A/4520AL
Mini Shrink Tunnel

Features

- This machine is using infrared ray heater, all kinds of shrinkable films are available for our machines.
- The conveyer speed is controlled by precision electric stepless type instrument, speed is adjustable and highly stable.
- Adopting automatic temperature controller or constant temperature controller (according to customer need).
- The conveyor belt can be made in roll type, net type or teflon net according to the character of the products.

CN-4520P/6530P/8540P
POF Shrink Tunnel

Features

- There are two types of shrink tunnel-heat conduction type and heat circulating type.
- The conveyer can adopt the close-roller type or net type, suitable for big or small products.
- The conveyor speed and the tunnel temperature can be easily adjusted in order to accomplish the perfect shrinking effect.

CN-4530E/6530E/8540E
PE Shrink Tunnel

Features

- This machine adopts heat circulating type tunnel, temperature averagely spread. Special design and high safety.
- The cooling equipment is installed in the exit of machine to accomplish the perfect shrinking effect.
- There are two conveyor models to choice-roller type and net type, suitable for big and small products.
- Special design for PE film packaging.
- Auto temperature control can be adjusted for desired temperature.

Specifications

Model	Unit	CN-4015A	CN-4520A	CN-4520AL	CN-4520P	CN-6530P	CN-8540P	CN-4530E	CN-6530E	CN-8540E
Power supply	-	1φ, 220V/240V		3φ, 220V/380V	3φ,220V/380V/440V					
Watts	kw	5	6	9.6	12	15	18		24	36
Tunnel size(LxWxH)	mm	700x400x150	800x450x200	1000x450x200	1000x450x200	1000x650x300	1200x850x400	1500x450x300	1800x650x300	2000x850x400
Conveyor speed	-	0~10 M/min			2~8 M/min					
Conveyor size(LxWxH)	mm	1050x400x690	1200x450x690	1500x450x760	1600x450x760	1600x650x760	2000x850x760	2400x450x760	3000x650x760	3000x850x760
Machine size(LxWxH)	mm	1180x620x1050	1330x720x1100	1650x720x1220	1600x730x1300	1600x930x1400	2000x1170x1500	2400x790x1300	3000x970x1400	3000x1170x1500

※Customized specifications are available.

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SLEEVE TYPE

CHM-6030/8040

Features

- Every shape of products can be packed perfectly.
- The packing size is easily to be adjusted,easy operation and high production efficiency.
- This machine is light, save space and convenient.

Applications

For square shape, round shape, flap shape products, and all kinds of necessary.

Specifications

Model	CHM-6030	CHM-8040	CHM-6030A	CHM-8040A
Power supply	1φ/3φ, 220V/240V			
Watts	1.8 Kw	2.0 kw	1.8 kw	2.0 kw
Sealing size (WxH)	600 x 300 mm	800 x 400 mm	600 x 300 mm	800 x 400 mm
Conveyor speed	10m		12 m	
Conveyor width	700 mm	900 mm	300 mm	400 mm
Air compressor	6 KG/cm^2			
Machine size (LxWxH)	1500 x1100 x 2000 mm	1600 x 1300 x 2100 mm	2100 x 1500 x 2000 mm	2200 x 1600 x 2100 mm

※Customized specifications are available.

AUTO SLEEVE TYPE SEALER

(TWO SIDES SEALED)

CHM-6030A/8040A

Features

- This machine has auto feeding, pushing and sealing function. It also can connect to the shrink packaging machine.
- This machine is designed according to product's size, shape and material.
- This machine can be used independently or cooperate with the automatic production line.
- PLC control system. It can increase the production and it is available for computerized production line.

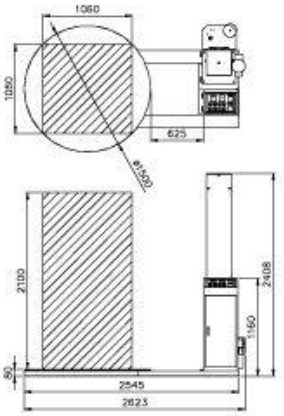
Applications

Sanitary facility, Boxed large items, Toys Foods, Chair parts, electric appliance, bicycle parts, Hardware, etc. Design & manufacture for various sizes of products.

CHW-1521
Stretch Wrapping Machine

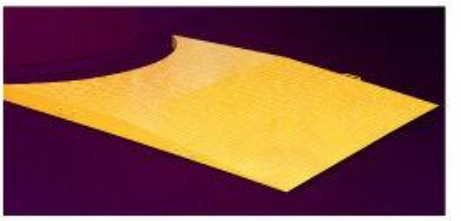
Features

- The film carriage is equipped with hinged drive, for smooth vertical movement. Speed is adjustable.
- Turntable is equipped with hinged drive, for stable turning during pallet loading. Speed is adjustable.
- The machine is controlled by PLC system. the mechanical structure adopts the mould group to design.
- Motor speed is controlled by inverter. It makes the machine running steadily and smoothly.
- Two-dent design at the bottom of the turntable and it makes the forklift easily move the machine.
- While carrying, the pole can be laid directly without dismantling.
  Save time and prevent the mistakes that may happen while installation.
- The photoelectric cell can read the pallet height automatically. It is easy operating.
- Electromagnetic brake device can adjust the tension of stretch film unlimited.
- Pre-stretch System is optional. The purpose is to save the film material.
- The turntable starts and stops rotation gently, and it guarantees products' safety.
- The operator can choose manual or auto operation mode.
- The bottom of stretch film rack has safety limit switch.



※ Option:

■Film pre-stretch system



■ Access ramp

■ Top press plate

Specifications

Model	CHW-1521	CHW-1821	CHW-1524	CHW-1824
Power	1φ, 220V/240V 3φ, 380V/415V/440v 50/60HZ			
Power consumption	1.3 kw	1.3 kw	1.3 kw	1.3 kw
Wrapping height	2100 m/m	2100 m/m	2400 m/m	2400 m/m
Turntable diameter	1500 mm	1800 mm	1500 mm	1800 mm
Turntable height	80mm			
Turntable loading weight	2000 KG(4400lbs)			
Turntable speed	5~15 rpm (speed adjustable)			
Film carriage speed	5 m / min (speed adjustable)			
Film specification	PE stretch film internal diameter: 76mm , external diameter : 350mm , width: 550mm			
Film thickness	17~35 miclons			
Machine size (LxWxH)	2623x1500x2410 mm	2623x1800x2410 mm	2623x1500x2710 mm	2623x1800x2710 mm

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