

床单全自动生产线

Automatic Bed Sheet Production Line

由上料机构、可调宽度的纵缝机构、定长拉取的横裁机构、自动送料、横向输送机构、自动卷边的横缝机构及出料机构组成的床单全自动生产线。

A fully automated bed sheet production line composed of a feeding mechanism, an adjustable-width longitudinal sewing mechanism, a fixed-length transverse cutting mechanism, an automatic transverse conveying mechanism, an automatic hemming transverse seam mechanism, and a discharging mechanism.

纵缝机构 Longitudinal Sewing Mechanism

- 钢结构，由可移动的侧边缝机头、传输及卷边组件等组成。
- 缝机头可滑动，方便维修，缝边宽度1600mm-3000mm。
- 左手和右手进口缝机头（即镜像机头），配有专用的卷边工装，卷边尺寸15mm-80mm。
- 具有断线检测功能，断线后自停。
- 机头自动供油。
- Steel structure and composed of a movable side seam sewing head, transmission, and hemming components, etc.
- Sewing head is slidable for easy maintenance, with a sewing width of 1600mm-3000mm.
- Equipped with left-hand and right-hand popular branded sewing heads (mirror-image heads), featuring specialized hemming fixtures with hemming sizes ranging from 15mm to 80mm.
- Includes a thread breakage detection function, automatically stopping when the thread breaks.
- Sewing head is equipped with automatic oil supply.

缓冲机构 Buffer mechanism

用于匹配纵缝机构和横裁机构，使其能够连续配合工作，提高生产效率。

Used to match the longitudinal sewing mechanism and the transverse cutting mechanism, enabling them to work continuously in coordination and improve production efficiency.

横裁机构

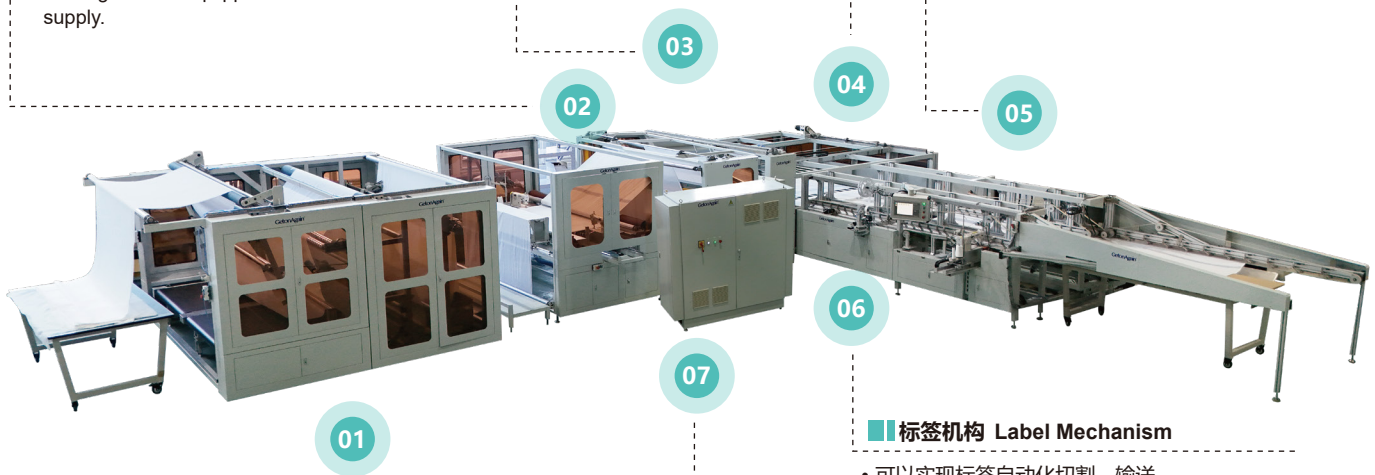
Transverse Cutting Mechanism

自动按设定的长度尺寸切割已纵缝的布料。

Automatically cut longitudinally the sewn fabric according to the set length size.

横缝机构 Transverse Sewing Mechanism

- 上压带配合机头环带装置同步传输布料，确保布料顺利进入机头压脚。
- 横向输送宽度可调，缝边宽度1500mm-2800mm。
- 切边及废料收纳功能。
- 自动卷边机构实现块状布料自动卷双边，卷边宽度15mm。
- Upper pressure belt cooperates with the machine head loop-belt device to synchronously transmit the fabric, to ensure the fabric being fed to machine head presser foot smoothly.
- Adjustable transverse conveying width, sewing width 1500mm-2800mm.
- Features edge trimming and waste collection functions.
- Automatic hemming mechanism realizes automatic hemming of both sides of rectangular cutting piece fabric and with a hemming width of 15mm.



上料机构 Feeding Mechanism

提供连续性的原材料供应，其中包括如下功能：

- 无料检测功能
- 独立储料、醒布功能
- 自动纠偏功能
- 切边功能
- 可选配半自动接布机
- 可选配整理开幅机
- 可选配废料收纳箱

Provide continuous supply of raw materials, including the following functions:

- Material feeding shortage detection.
- Independent material storage and fabric relaxing function.
- Automatic alignment correction.
- Edge trimming function.
- Optional semi-automatic fabric splicing machine.
- Optional fabric opening and spreading machine.
- Optional waste collection box.

标签机构 Label Mechanism

- 可以实现标签自动化切割、输送。
- 标签类型、方式根据需求选择。
- 可做折叠、平放两种结构。
- Can achieve automated label cutting and conveying.
- Label type, method selections are according to requirement.
- Can be folded or laid flat two options.

控制机构 Control Mechanism

- 整机伺服控制，再登高控制系统，人机交互操作。
- 控制装置和控制柜的位置可根据客户现场位置设计。
- 可根据客户需求定制开发。
- Full servo control of the entire machine, with GetonAgain control system, human-machine interaction operation.
- Position of the control device and control cabinet can be designed according to the customer's site requirements.
- Custom development can be carried out based on customer needs.

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适用范围 Application

适用于床单、窗帘等家纺领域布料的连续四边卷边缝制。

Suitable for continuous four-edge hemming and sewing of fabrics in the home textile industry, such as bed sheets and curtains.



机器参数 Parameters

推荐型号: Model:	GOAAS-LM-ES-4-2800×3000-FS1-CN-AL,AT,AEG,ALF,CD-3P380		
占地尺寸: Machine Size:	16000mm×12000mm×3100mm (L×W×H)	设备生产节拍: Production Speed:	3-4 pcs /min
床单四边处理方式: 双折边 Four Sided Treatment Method For Bed Sheets: Double fold edge		主轴最高转速: Max. Shaft Speed:	4500RPM
机针: Needle:	14#, 16#	线迹: 单针链式线迹 (可选锁式) Stitch: Single needle chainstitch (lockstitch as option)	
针步: Stitch Length:	2mm-4.5mm	额定功率: Power:	35KW
床单宽度范围: Bed Sheet Width Range:	1600mm-3000mm	电源: Power Supply:	380V 50Hz
床单长度范围: Bed Sheet Length Range:	1500mm-2800mm	气压: Air Pressure:	0.6MPa-0.8MPa

主要配置 Machine Configuration



再登高电脑控制系统
GA Computerized Control System



净边装置
Edge Trimming Device



吸边器
Edge Catcher



送布环带
Fabric Feeding Loop-belt



SMC气动元件
SMC Pneumatic Components



伺服电机
Servo Motor

天津再登高智能制造有限公司

地址: 天津宝坻经济开发区天宝南环路3号B楼-2号

邮箱: sales@raiseagaintech.com

网址: www.raiseagaintech.cn **400-166-8581**

Tianjin RaiseAgain SM CO., Ltd.

Address: No.2,Block B-3, Tianbao Nanhuan Road, Baodi Economic Development Area, Tianjin, China. **0086-22-6035 9933**

Email: sales@raiseagaintech.com

www.raiseagaintech.com