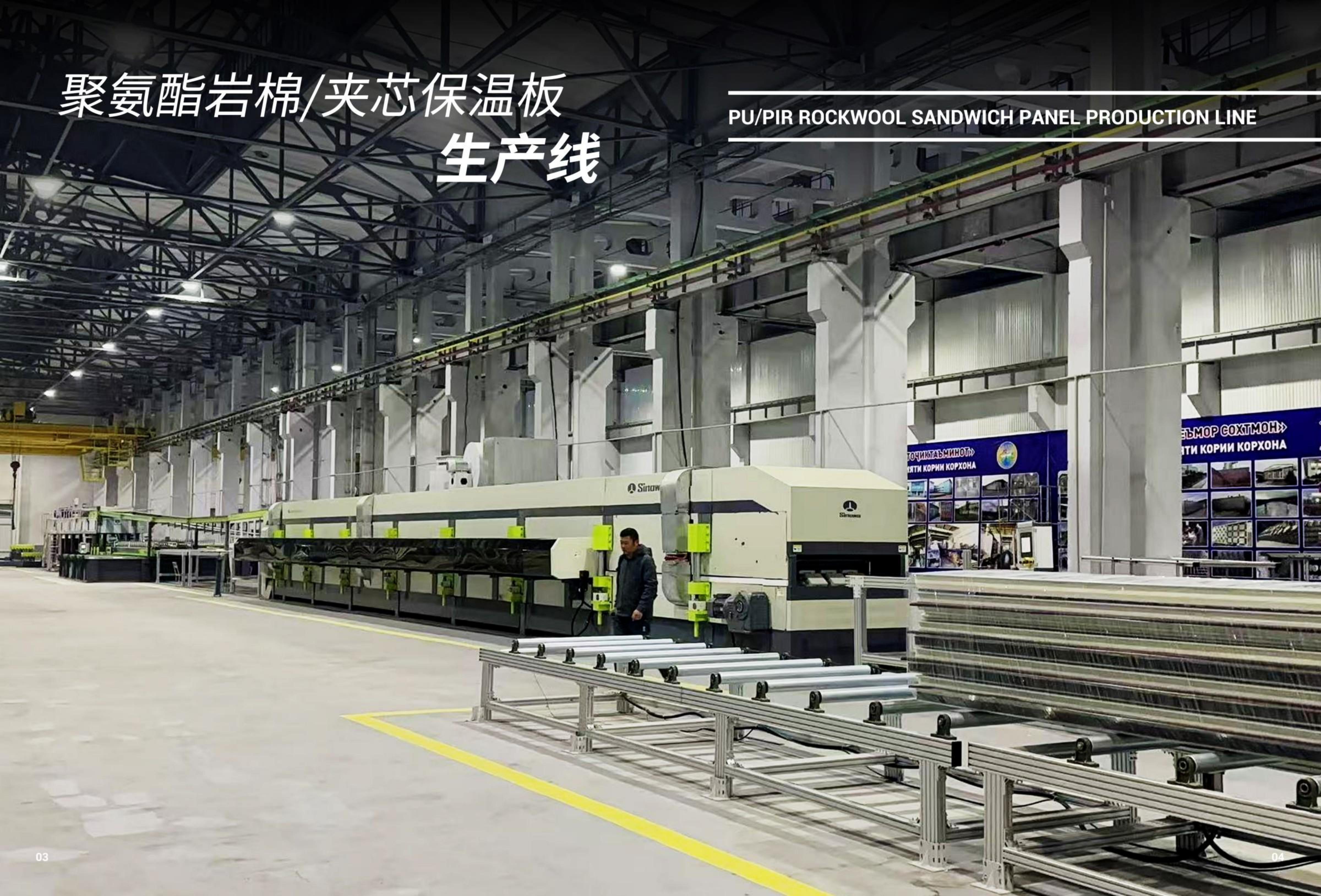


# 聚氨酯岩棉/夹芯保温板 生产线

PU/PIR ROCKWOOL SANDWICH PANEL PRODUCTION LINE



## 聚氨酯\岩棉夹芯板生产线

Sinowa 公司致力于高端高效夹芯板的研发与制造，在效率、自动控制水平，人机交互，环境 保护及能源耗费方面都全面领先。在某些重大技术领域进行了颠覆性的设计，使整条生产线的性价比 和用户体验都十分卓越。采用系统集成与总线控制技术，实现整条生产线的全自动集成联动控制，并可实现远程互通，具有国际一流水平，是目前市场中全面领先的高性能生产线。

## PU\PIR ROCK WOOL Sandwich Panel Production Line

Dedicated to the research and development of high-end and high-efficiency sandwich panel production lines, Sinowa is comprehensively taking the leading position in terms of efficiency, automation control level, HMI, environment protection and energy consumption, with subversive designs made in some critical technological fields to procure exceptional cost performance and customer-friendly experience for the entire production line. The adoption of system integration technology and bus control technology accomplishes the full automatization of integrated and coordinated control of the entire production line with accessible remote interactive communication. Ranking the Prst-class level in the world, it is currently the production line in the market taking a comprehensive lead in high performance.





Sinowa 研发的高端保温板生产线为您提供高效的产业价值，我们的生产效率至少是同类产品的2倍以上，拥有国内外产品中最高的超性价比。此条生产线能生产多品种多规格的保温夹芯板，包括聚氨酯夹芯板、岩棉夹芯板(聚氨酯封边)，主要用于屋面夹芯板、墙面夹芯板和冷库板，厚度和宽度均可在设定范围内调整。

生产线生产的板材规格高度可以无极调整，采用伺服控制系统精密机械机构可以在一分钟内迅速调整板材的厚度，无需任何人力干预。

选用最高端的配置，确保整条生产线的综合品质可靠安全，关键部件全部选用进口产品或国内外一流产品，履行我们的高端品牌路线，塑造 Sinowa 品质，以质量传播我们的品牌。

全力解决系统集中控制，采用工艺集中控制思路，机组所有动作部件的控制系统整合在一个工艺操控台，远距离通讯，提高自动化水平，降低流水线配置人员数量。

外观新颖整洁，流线性设计，涂装质量讲究，色调悦目大方。体现Sinowa 主企业色调，践行品牌理念。

Sinowa's high-end insulation panel production line provides you with high-efficient industrial value. Our production efficiency is twice that of similar lines, boasting the most cost-effective among the similar products within and without the country. This production line can produce multi-specifications insulation sandwich panels, including PU sandwich panels and rock wool sandwich panels (PU edge-banded), mainly used as roof sandwich panels, wall sandwich panels and cool room sandwich panels. Their thickness and width can be set at the adjustable range.

The height in the specifications of the panel can be freely adjusted in the production line. The utilization of the servo control system and pneumatic mechanism makes it possible to quickly adjust the panel thickness within a minute without human intervention.

The most cutting-edge configuration ensures the safe and reliable quality of the whole production line. All the key parts are chosen either from imported products or from First-grade brands at home and abroad to implement our concept of building high-end brand, create Sinowa's signature quality, and publicize our brand in virtue of quality.

Concentrated system control is fully realized in the practice of concentrated process control so that the control system of all the movements of the parts in the line is integrated in one process control console with accessible remote communication to elevate the automation and reduce the allocated number of personnel for the assembly line.

The novel and tidy appearance in streamline design is coupled with delicate coating and elegant hues to showcase Sinowa's key business tone and materialize our brand philosophy.



一流的配套和工艺，使我们的产品具有高度可靠性和恒久品质

*First-rate matching and process, Make our products highly reliable and permanent*



## 岩棉夹芯板生产线

ROCK WOOL Sandwich Panel Production Line

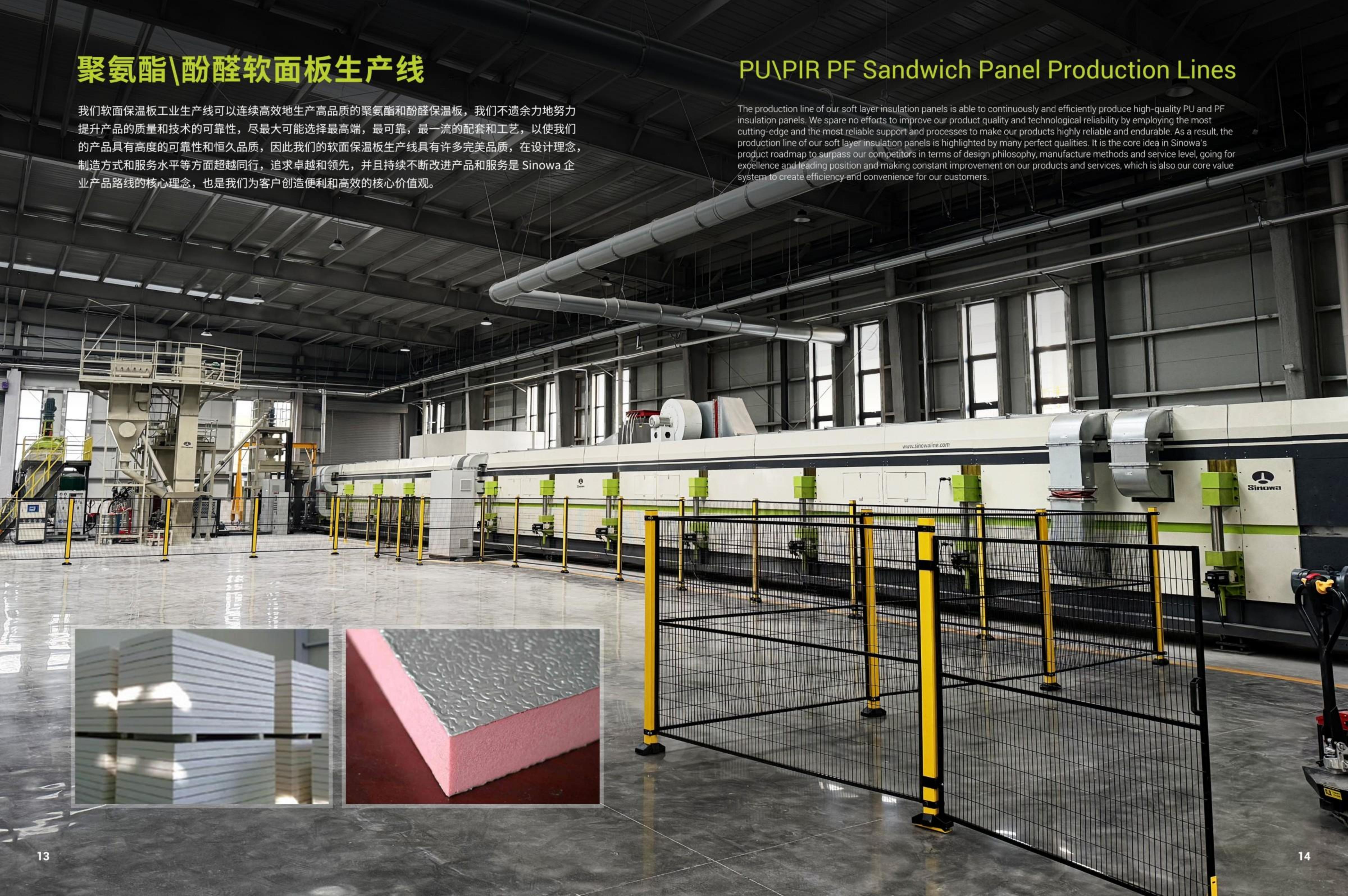


# 聚氨酯\酚醛软面板生产线

我们软面保温板工业生产线可以连续高效地生产高品质的聚氨酯和酚醛保温板，我们不遗余力地努力提升产品的质量和技术创新，尽最大可能选择最高端，最可靠，最一流的配套和工艺，以使我们的产品具有高度的可靠性和恒久品质，因此我们的软面保温板生产线具有许多完美品质，在设计理念，制造方式和服务水平等方面超越同行，追求卓越和领先，并且持续不断改进产品和服务是 Sinowa 企业产品路线的核心理念，也是我们为客户创造便利和高效的核心价值观。

## PU\PIR PF Sandwich Panel Production Lines

The production line of our soft layer insulation panels is able to continuously and efficiently produce high-quality PU and PF insulation panels. We spare no efforts to improve our product quality and technological reliability by employing the most cutting-edge and the most reliable support and processes to make our products highly reliable and durable. As a result, the production line of our soft layer insulation panels is highlighted by many perfect qualities. It is the core idea in Sinowa's product roadmap to surpass our competitors in terms of design philosophy, manufacture methods and service level, going for excellence and leading position and making constant improvement on our products and services, which is also our core value system to create efficiency and convenience for our customers.





整条生产线外观协调统一，色彩搭配合理悦目，整洁大方，涂装优异。面漆全部采用进口涂料烤漆处理，附着性能良好，色彩保持性好。

创新的设计和完备的制造过程控制使得我们的产品生产效率得到很大提升，出板速度至少是同类产品的 2 倍以上，性价比远远超越。

Sinowa 保温板工业生产线具有十分优秀的节能性能，在整条生产线的能耗高点采用相应措施大力降低能耗水平，如在层压机机体外覆盖保温板材，采用合理结构，既不破坏整体外观，又大大增加了温保性能。整体流水线经过不断地优化改进，各种动力功率显著降低，我们的层压输送的电机功率只有 3.0kw，是同类水平的 50% 左右，综合结算，整条工业流水线的能耗相当于市场同类水平的 20% 甚至更低。

得益于我们优秀的设计和良好的品质控制，使得 Sinowa 工业生产线无论在噪音、油污、渗漏等方面，更主要的粉尘污染方面都等得到大力优化，特别是在切割粉尘回收方面我们取得的成就大大领先。一是采用大功率工业除尘系统集中吸储粉尘，二是在产生粉尘的工序设计可视化的防护室，将粉尘彻底与环境隔绝，从根本上解决了生产环境的粉尘污染，也大幅降低了切割噪音，尽最大可能保证员工的身心健康愉悦。

The appearance of the entire production line is coherent and consistent, with colors reasonably and pleasantly matched to show neatness and elegance in excellent coating. The finishing coat is baked and processed from imported stoving varnish, with good adhesive properties and color retainability.

The innovative design and perfect process control has greatly increased our product's production efficiency. The delivery speed is more than twice that of similar products and the cost performance is far beyond theirs.

Sinowa's industrial production line of insulation panels is distinguished by its impressive performance of energy conservation. In each high point of energy consumption throughout the entire production line are implemented corresponding measures to considerably lower the consumption level. For example, the body of the lamination belt conveyer is covered with insulation panels in very reasonable structures, which doesn't blemish the overall outlook but greatly increases the insulation performance. The entire assembly line is constantly optimized and improved so that the consumption of each power source is significantly reduced. The motor power of our lamination conveying system is only 3.0 kw, about 50% less than those of the same kind. All in all, the energy consumption of the whole industrial assembly line equals 40% or even less of the equivalent lines in the market.

Thanks to our good design and strict quality control, the industrial production line provided by Sinowa is optimized in terms of the noise, oil contamination, leakage and, most importantly of all, in dust pollution. The achievements that we have made particularly in the recycle of cutting dust are quite impressive and front-leading in the fact that, first of all, we make use of high-power industrial dust removing systems to concentrate the dust for collection and storage and, secondly, a visible protection chamber is especially designed in those processes that produce dust so as to thoroughly isolate the dust from the surrounding, eliminating the dust pollution in the production environment, and solve the problem from the very root, with the employee's physical and mental health greatly assured.

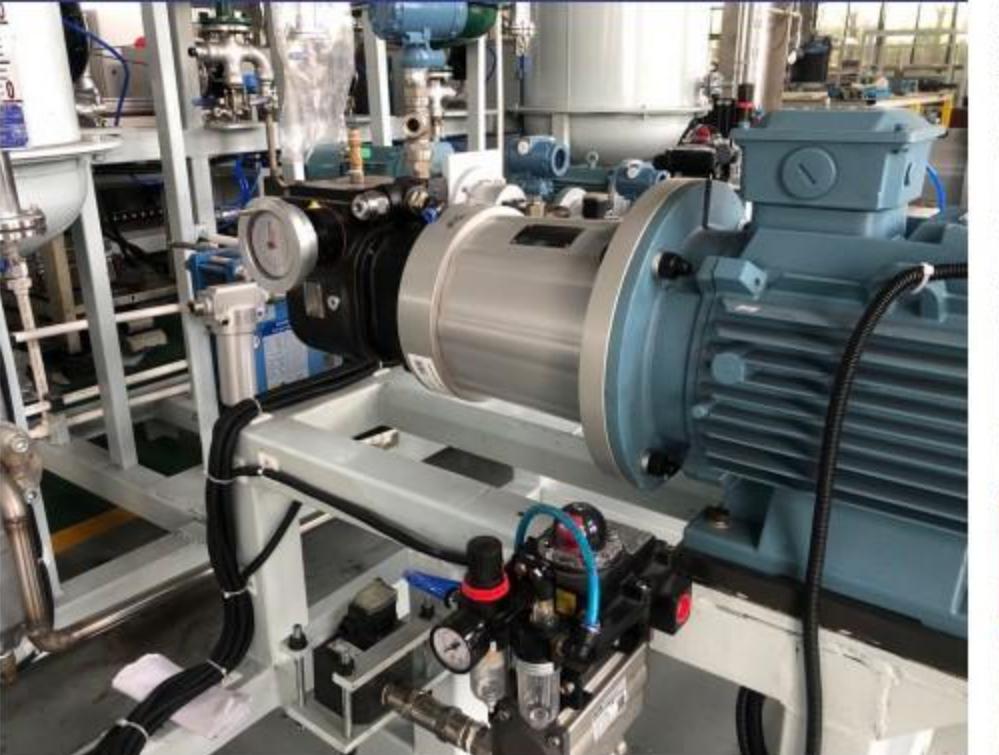
## 多组分戊烷发泡系统

### Multi-component Pentane Foaming Machine

可靠的戊烷多组分聚氨酯高压发泡机系统是Sinowa优先于其他中国同行的代表性产品。我的实现了戊烷系统发泡2组分到9组分的自由选配，顾客可以根据自身需要，选择我们的系列产品，每一款都非常地安全高效。

The reliable multi-component pentane PU high pressure foaming system is a representative product of Sinowa leading those in the industry. It achieves the free selection from two component to nine component foaming of the pentane system. Customers may select our series products according to their requirements and each type of our product is very safe and efficient.





## 多组分聚氨脂高压发泡机

Muti-components pu pentane high pressure foaming machine

Sinowa 开发的高性能高可靠性 SNW-HCG/3-9 系列多组分聚氨脂戊烷高压发泡机是公司技术领先中国同行的代表产品，是具有完全自主知识产权的创新性核心技术，性价比卓越。整个戊烷的输料和与其他组分的混料系统全部在高压环境下实现，使得系统组分的混合效果超级完美，性价比超越国内外产品！

我们采用特殊的进口高压计量泵单元进行环戊烷的输送，该系列泵不会产生静电和机械摩擦，可以保证易燃易爆气体的输送安全。经过精密设计的进料回路和出料回路可以完美保证输料管路的压力稳定可靠，从而为混料系统的压力稳定提供完美保证。

各种系列进口高可靠阀组及高精密流量控制和计量单元的组合使用，使得整个系统精确可靠。采用高可靠的戊烷安防及报警及抽风系统，整个环戊烷输送部件全部封闭在一个特质的钢化玻璃空间内，既美观大方也使得整个多组分机器的安全性能更加可靠，值得信赖。

The production line of our soft layer insulation panels is able to continuously and efficiently produce high-quality PU and PF insulation panels. We spare no efforts to improve our product quality and technological reliability by employing the most cutting-edge and the most reliable support and processes to make our products highly reliable and durable. As a result, the production line of our soft layer insulation panels is highlighted by many perfect qualities. It is the core idea in Sinowa's product roadmap to surpass our competitors in terms of design philosophy, manufacture methods and service level, going for excellence and leading position and making constant improvement on our products and services, which is also our core value system to create efficiency and convenience for our customers.

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# 冷弯成型设备

## Cold Roll Forming Lines

我们致力于研发生产各种高性能高质量的冷弯成型机组，在这些基础之上的改进使我们的产品在大多数方面都超越同行。我们勇于总结同行的经验和教训，在这些基础之上的不断创新持续的改进使我们的产品在各个方面都超越同行，质量和效率引领业界。我们努力与客户建立信任并致力于解决客户的系统性生产要求而不是仅仅创造设备。成型机生产线从设计，生产、销售和培训全部都在围绕追求客户的体验更好更亲切。所有这一切让我们成为中国同类公司的佼佼者并努力追求更高更好的目标。

Our high-performance and quality cold roll forming machine developed and manufactured by Sinowa is highly cost-effective. Despite a short history in this field, we would conclude our counterparts' experience and learn lessons from them, making constant innovation and sustained improvement on our products to excel our counterparts and taking the leading in terms of quality and efficiency. We are not only making devices but try our best to build up the customer's confidence in us and commit to fulfilling the customer's demands in their production systems. The roll forming production line is user-friendly in terms of design, manufacture, marketing and training. We are already the best but are still trying to accomplish for a higher goal.

### 高端门窗幕墙型材冷弯生产线

High-end Architecture curtainwall partition profiles roll forming line

### 彩钢压瓦机生产线

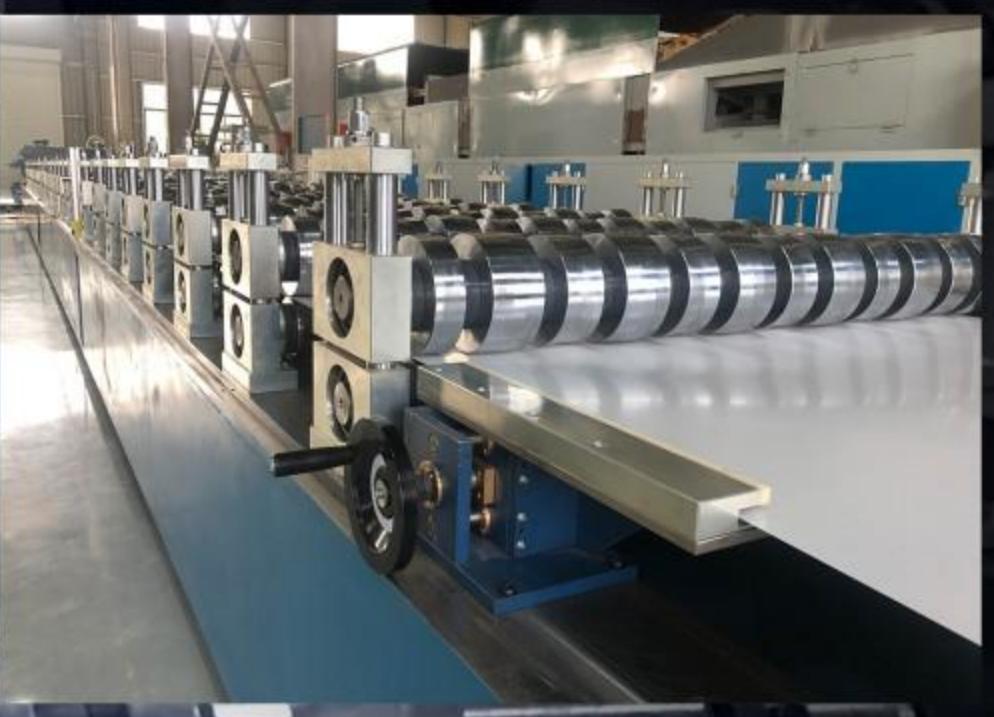
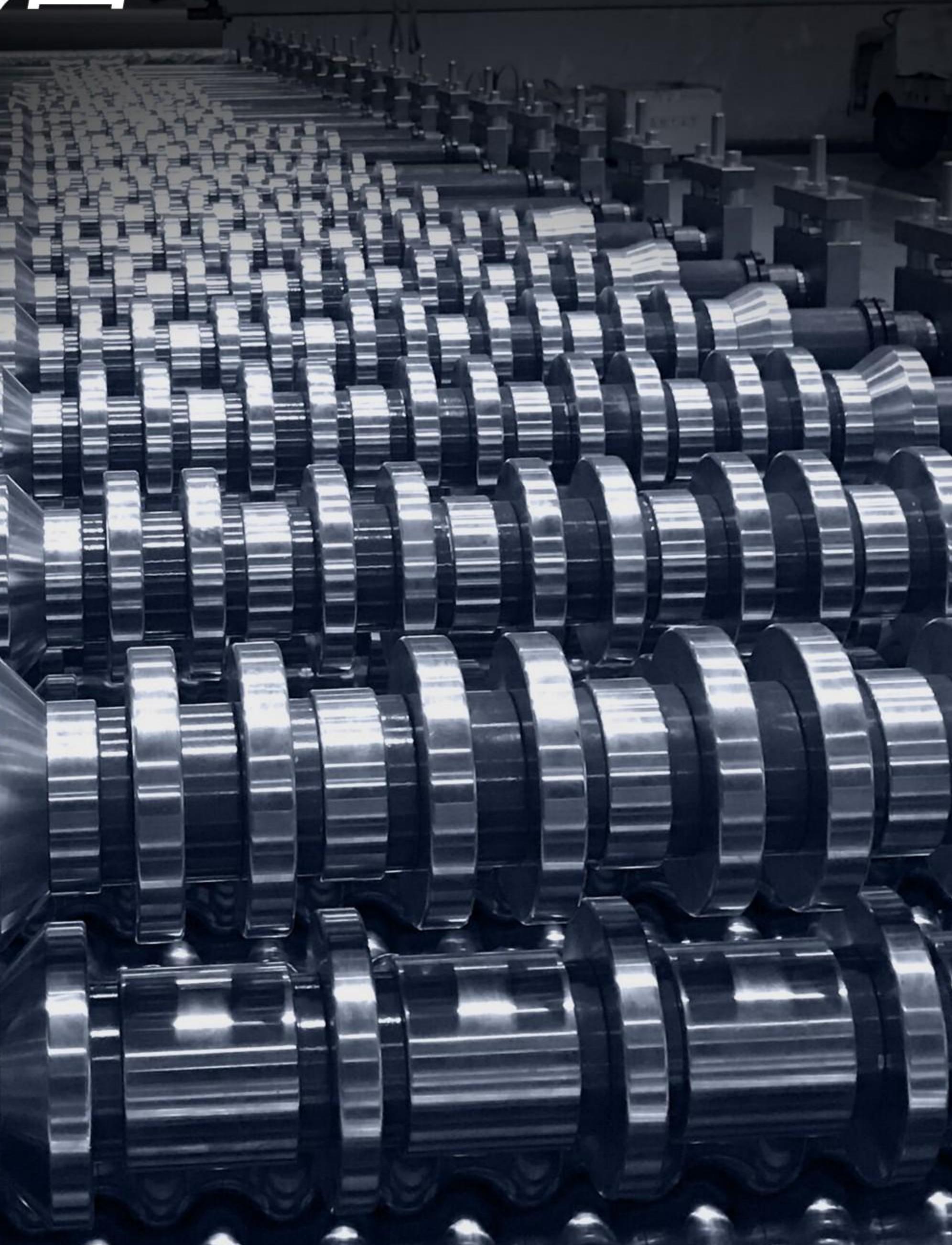
Roof / Wall Line

### CZ檩条互换生产线

Purline Roll Forming Machine

### 全自动净化板生产线

Clean Partition Board Line





## 门窗幕墙系统型材冷弯成型生产线

Door & window, Curtain wall, partition system steel profiles cold roll forming machine

Sinowa开发世界一流的门窗、幕墙系统冷弯成型生产线。我们从严密的设计开始到精确的加工生产以及严谨的调试，各个环节都凝聚着全体技术人员的汗水和智慧，也使得我们的生产线的综合品质领先同行，达到国际一流。

模块化的设计和制作让我们的一条生产线通过快速换辊系统生产多种门窗、幕墙以及各种装饰隔断冷弯型材，并且始终能够保持很高的精度。

不仅如此，我们也能按照您的要求为您定制提供各种冷弯型材终端产品。

Sinowa develop and manufacture first class door window , curtain wall partition system steel profiles roll forming machine. from the exactly design to the precisely manufacture and scrupulously test, every process all made of our technicians. hardworking sweat and intelligence, au these make our machines achieve a leading quality level, in the word!

Modularized designing and manufacturing provide a efficient operation through rapidly change rouers to produce different profiles of door & window, curtain wall partition system with high precision keeping.

Not only this, we also can provide all kinds cold rolled steel profiles according to your requirement.



## 彩钢压瓦机生产线

Roof / Wall Line

Sinowa研发生产具有高性价比的屋面和墙面建筑系统板材成型机生产线。我们勇于总结同行的经验和教训，在这些基础之上的不断创新持续的改进使我们的产品在各个方面都超越同行，质量和效率优先业界。

我们努力与客户建立信任并致力于解决客户的系统性生产要求而不是仅仅创造设备。成型机生产线从设计，生产、销售和培训全部都在围绕追求客户的体验更好更亲切。所有这一切让我们成为中国同类公司的佼佼者并努力追求更高更好的目标。

The roof and wall roll forming machine developed and manufactured by Sinowa is highly cost-effective. Despite a short history in this field, we would conclude our counterparts' experience and learn lessons from them, making constant innovation and sustained improvement on our products to excel our counterparts and taking the leading in terms of quality and efficiency.

We are not only making devices but try our best to build up the customer's confidence in us and commit to fulfilling the customer's demands in their production systems. The roll forming production line is user-friendly in terms of design, manufacture, marketing and training. We are already the best but are still trying to accomplish for a higher goal.



## CZ檩条互换生产线

Purline Roll Forming Machine

Sinowa提供各种板型的C和Z型檩条生产线，它们无一例外都是Sinowa技术研发团队的努力结晶，具有许多优异的品质。产品结构合理，外观悦目，生产效率高。无论是C型，Z型还是CZ互换机型都代表着业界的优质水平，是阁下的超值之选。

Sinowa offers C-type and Z-type purline production lines for various plate cuts. Without exceptions, they are all the fruition of the efforts made by the technical R&D team of Sinowa, with features of excellent quality, such as reasonable product structure, beautiful appearance and high production efficiency. No matter whether it is the C-type, Z-type, or CZ interchangeable type, they are the hallmark of the leading technology in the industry, as well as your premium choice!





## 全自动净化板生产线

Clean Partition Board Line

Sinowa 一直致力于高端板材自动成型生产线的研发和制造，致力于自动化和高效率的目标，在生产全自动净化板生产线方面积累了十分广泛的经验。

如今，我们的生产线不但能为客户高效和快速地生产产品，实现一台机器多规格生产，而且依托我们在保温板生产线和卷纸发泡系统的卓越技术积累，我们可以为客户创造更多的自动化选择，如：自动涂胶，自动热压固化，自动码垛等一系列全流程服务。

Simowa has been committed to the research and development and manufacturing of high-end automatic sheet forming production lines, committed to the goal of automation and high efficiency, and has accumulated extensive experience in the production of clean partition panel board line.

Now, our production line can not only produce products efficiently and quickly for customers, realizing multi-specification production of one machine, but also create more automation options for customers by relying on our excellent technology accumulation in insulation board production line and roll paper foaming system, such as: automatic gluing, automatic hot pressing curing, automatic stacking and a series of whole process services.



细节的追求，成就我们品质的梦想

*The pursuit of detail, the dream of achieving our quality*

不断的超越，持续的改进

使我们在这些重要领域勇于前行，始终站在业界前沿

*Continuous transcendence, continuous improvement*

*Let us move forward in some important areas and always stand  
in the forefront of the industry*

