

STATIC ISOBARIC
DOUBLE BELT PRESS
静等压式双钢带压机



MINGKE

2016年, 铭客自主研发成功了首台静等压式双钢带压机, 并在2020年将该压机加热温度升至**400°C**。

In 2016, Mingke successfully developed the first Static Isobaric Double Belt Press (DBP), and in 2020 the heating temperature of the press was be raised to **400°C**.

静等压式双钢带压机是铭客除钢带外自主研发生产的一款压机设备。密封系统、钢带、热压板形成静等压腔体, 通过钢带对物料加热加压, 由轮毂驱动钢带运转, 实现连续生产。

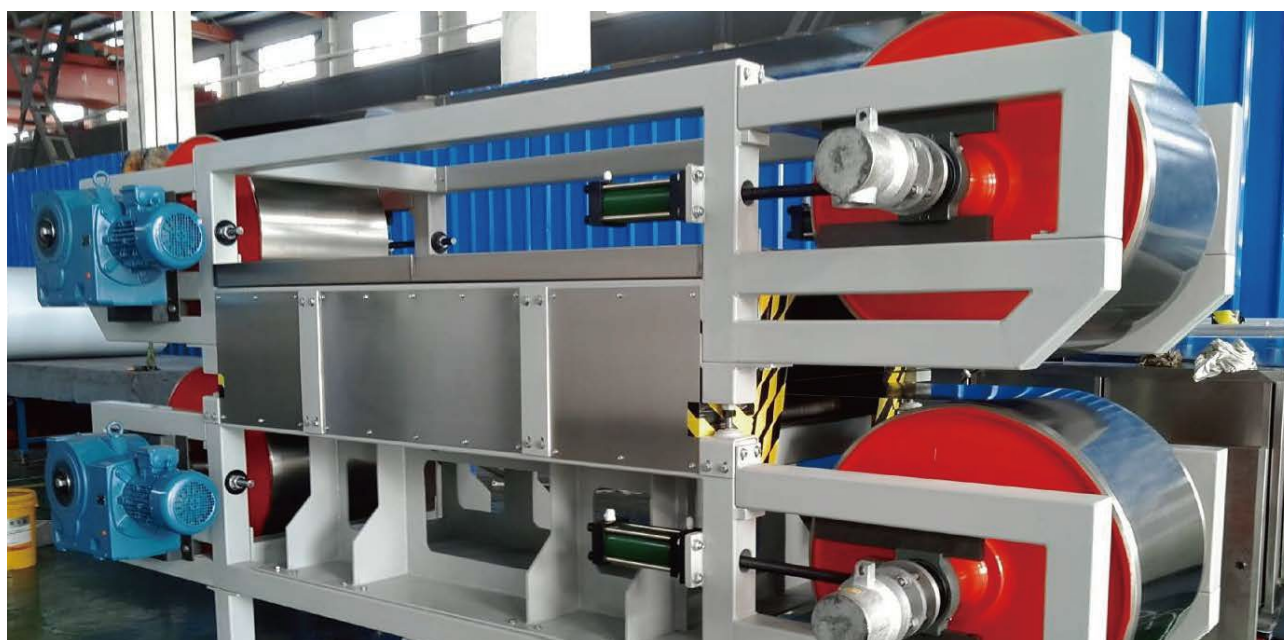
The static isobaric double steel belt press is a press equipment independently developed and produced by Mingke in addition to steel belts. Sealing system, steel belt and hot pressing plate consist a static isobaric chamber. The material is heated and pressurized by the steel belt, and the steel belts are driven by Rollers to achieve continuous production.

静等压式双钢带压机

Static Isobaric Double Belt Press

该压机和人造板连续双钢带压机构造相类似，主要实现在连续运行状态下钢带对叠加在一起的片基材料施加压力和热呈，然后冷却成型的目的，我们的系统可广泛应用于多种基材的热压、冷压、复合工艺，实现了高效的加工处理，降低能耗，提高了生产效率，解决了传统间歇式及其它类型压机的不足。

The press is similar in structure to the continuous double steel belt press for wood-based panels. It mainly realizes the purpose of applying pressure and heat to the laminated base material by the steel belt under continuous operation, and then cooling and forming. Our system can be widely applied to the hot pressing, cold pressing and compounding process of a variety of substrates, realizing efficient processing, reducing energy consumption, improving production efficiency, and solving the shortcomings of traditional intermittent press and other types of presses.



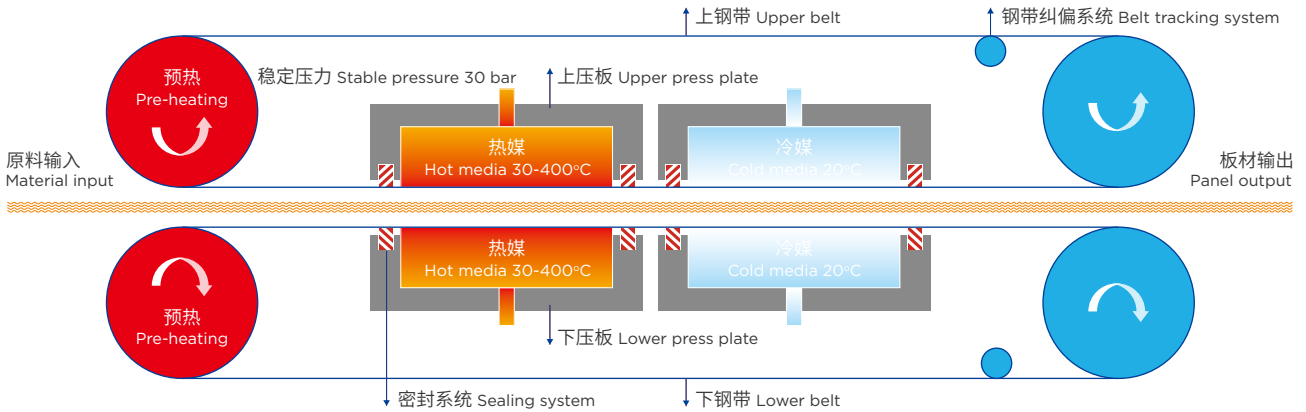
主要参数

Main parameters

压机类型 Press type	静等压式双钢带压机 Static isobaric double belt press
温度 Temperature	≤400°C
压力 Pressure	≤30 Bar
物料宽度 Material width	可定制 Can be customized
运行速度 Operating speed	可定制 Can be customized
运行长度 Process length	可定制 Can be customized
适用钢带型号 Applicable steel belt	MT1650
产地 Origin	南京 Nanjing city

工作原理图

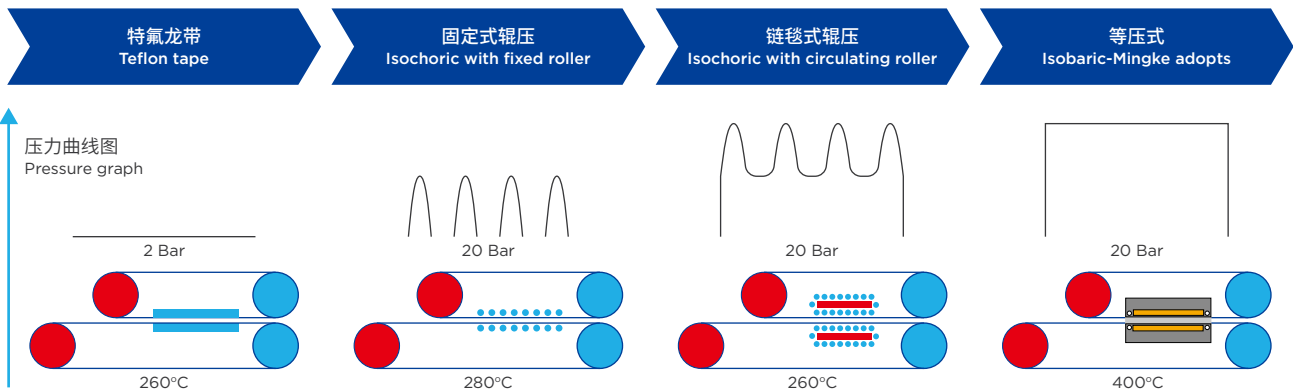
Working Principle



	定厚 Fixed thickness	定压 Constant pressure
工作原理 Working Principle	通过调整钢带间隙 By adjusting the gap of the steel belt	通过调整钢带对制品压力 By adjusting the pressure of the steel belt on the product
压力方式 Pressure Method	特龙带、夹辊式、链移式 Teflon tape, Clamping roller, Circulating roller	静等压式 Static isobaric
机械原理 Mechanism	产品厚度取决于间隙 Product thickness depends on the gap 压力来源于制品喂料和出料的压缩比 The pressure comes from the compression ratio of product feeding and discharging	喂料的厚度差异决定了产品的厚度差异 The thickness difference of the feed determines the thickness of the product 压力连续均等 Continuous and equal pressure
优点 Advantage	构造简单 Simple structure 制造成本低 Low manufacturing cost 厚度时时控制 Thickness control always	高压低压容易控制 Easy to control high pressure and low pressure 可制作超薄制品 (<0.01mm) Can make ultra-thin products 物料表面压力一致 Consistent material surface pressure
缺点 Disadvantage	超薄制品不可以生产 Cannot be produced Ultra-thin products 产品的内压力差取决于喂料的厚度差异 The internal pressure difference of the product depends on the thickness difference of the feed	进口价格昂贵，市场价数千万人民币 Imports are expensive, the market price is tens of millions of RMB 售后服务要求较高 High requirements for after-sales service

各式压机工作压力及温度差异

The difference of pressure and temperature in various presses



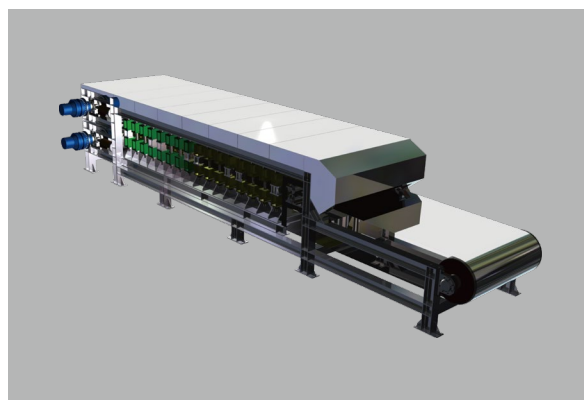
铭客研发的静等压式双钢带压机, 原理上实现了重要突破, 无论在使用压力、温度还是适用产品范围, 都比同类产品有更大提升。

The static isobaric double-steel belt press developed by Mingke has achieved an important breakthrough in principle. Regardless of the use pressure, temperature or applicable product range, it has a greater improvement than similar products.

静等压式双钢带压机的特性

Characteristics of static isostatic double steel belt press

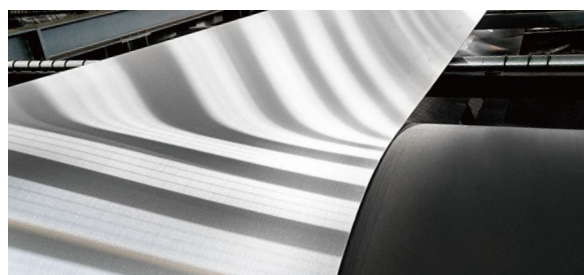
- 运行平稳 Running smoothly
- 产品厚薄均匀 Uniform product thickness
- 能源消耗低 Low energy consumption
- 优良的热传导性 Excellent thermal conductivity
- 可生产 1mm 厚度以下产品 Can produce products below 1mm thickness



铭客钢带的特性

Features of Mingke steel belt

- 出色的机械性能 Excellent mechanical properties
- 优异的静态强度 Excellent static strength
- 优异的疲劳强度 Excellent fatigue strength
- 良好的耐腐蚀性 Good corrosion resistance
- 极好的耐磨性 Very good wear resistance
- 很好的可修复性 Very good repairability



静等压式双钢带压机应用领域

Applications fields of Static Isobaric Double Belt Press

- 复合材料 (纤维、金属、木板、塑料等) composite materials (fiber, metal, wood, plastic, others.)
- 三聚氰胺贴面板 Melamine faced boards
- 印刷线路板 Melamine faced boards
- 弹性地板 Resilient floor
- 玻璃纤维和碳纤维板 Glass fiber and carbon fiber board
- 其它 Others





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