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南京铭客传动系统有限公司

Nanjing Mingke Process Systems Co.,Ltd.

铭客 (Mingke),

专精特新“小巨人”企业,

专注于环形钢带 - 高强度连续成型模具带的生产制造,  
并提供以环形钢带为载体的连续化流程工艺解决方案。

铭客在中国、中国台湾、波兰、土耳其、泰国、  
澳大利亚、越南、巴西等全球10+国家和地区有销售和服务中心。

MINGKE

National "Specialised, Refined, Distinctive and Innovative" "Little Giant"

Enterprise, specialized in endless steel belt, high strength continuous  
molding belt and providing continuous process solutions based on  
endless steel belt.

Our sales and service centers are located in 10+ countries  
and regions around the world, such as China, Taiwan  
China, Poland, Turkey, Thailand, Australia,  
Vietnam, Brazil and so on.

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



## 静等压式双钢带压机

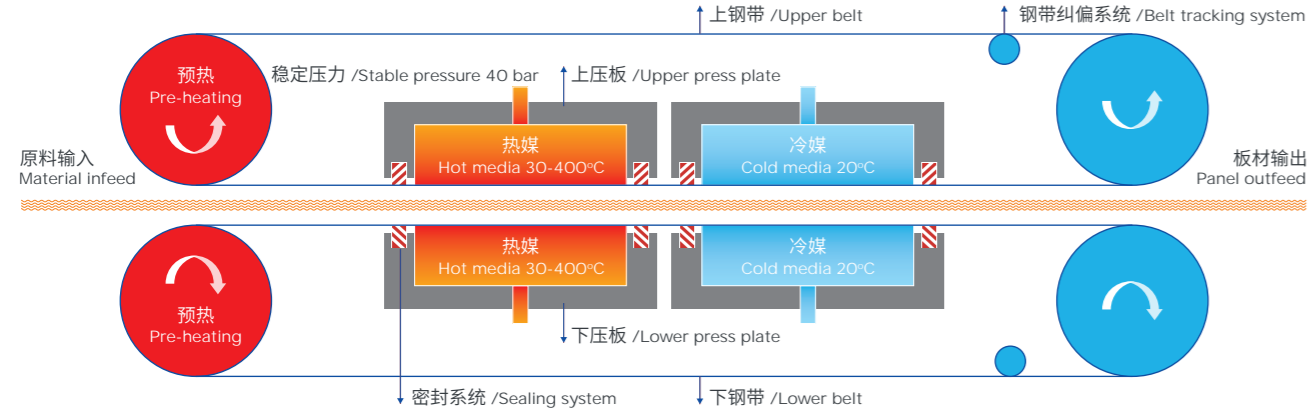
### Isobaric Double Belt Press

静等压式双钢带压机是铭客除钢带(模具带)外自主研发生产的一款压机设备。密封系统、钢带(模具带)、热压板形成静等压腔体,通过钢带(模具带)对物料加热加压,由轮毂驱动钢带(模具带)运转,实现连续生产。2016年,铭客自主研发成功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。

The isobaric double steel belt press is a press equipment independently developed and produced by Mingke in addition to steel belts (molding belt). Sealing system, steel belt (molding belt) and hot pressing plate consist a static isobaric chamber. The material is heated and pressurized by the steel belt (molding belt) and the steel belts (molding belt) are driven by rollers to achieve continuous production. In 2016, Mingke successfully developed the first isobaric Double Belt Press (DBP), and in 2020 the heating temperature of the press was.

#### 工作原理图

#### Working Principle

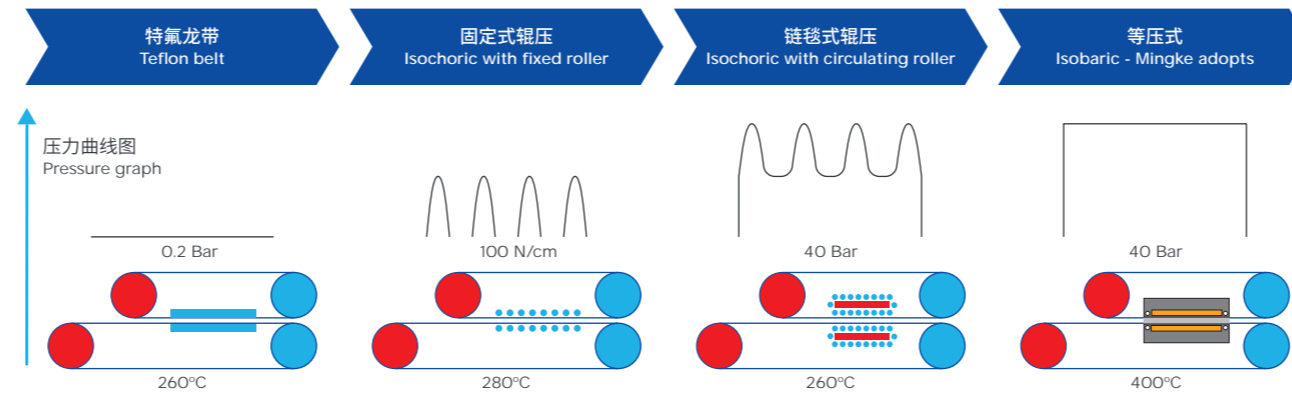


	定厚 Fixed thickness	定压 Constant pressure
工作原理 Working Principle	通过调整钢带间隙 By adjusting the gap of the steel belt	通过调整钢带对制品压力 By adjusting the pressure of the steel belt on the product
压力方式 Pressure Method	特氟龙带、夹辊式、链毯式 Teflon belt, clamping roller, circulating roller	静等压式 Isobaric
机械原理 Mechanism	产品厚度取决于间隙、压力来源于制品进料和出料的压缩比 Product thickness depends on the gap, 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、压力连续均等 The thickness difference of the feed determines the thickness of the product, continuous and equal pressure
优点 Advantage	构造简单、制造成本低、厚度实时控制 Simple structure, low manufacturing cost, thickness control timely	高压低压容易控制、可制作超薄制品 (<0.01mm)、物料表面压力一致 Easy to control high pressure and low pressure, can make ultra-thin products, consistent material surface pressure
缺点 Disadvantage	不适合超薄制品生产、产品的内压力差取决于喂料的厚度差异 Not suitable for the production of ultra-thin products, the internal pressure difference of the product depends on the thickness difference of the feed	密封系统精密易损、后期运维成本高 The sealing system is precise and vulnerable, high post operation and maintenance costs



#### 各式压机工作压力及温度差异

#### Differences of Pressure and Temperature in Various Presses



#### 静等压式双钢带压机应用

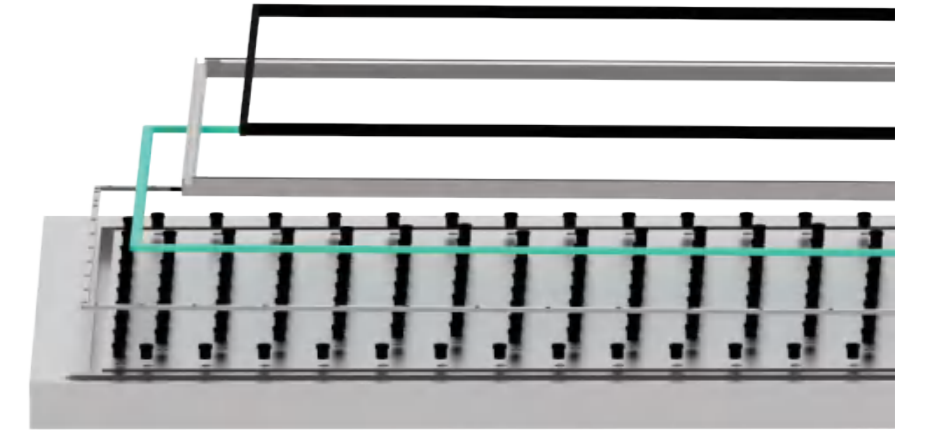
#### Applications of Isobaric Double Belt Press

- 复合材料 (纤维、金属、木板、塑料等) Composite materials (fiber, metal, wood, plastic, etc.)
- 三聚氰胺贴面板 CPL
- 柔性覆铜板 FCCL
- 其它 Others
- 同透地板 Homogeneous PVC flooring
- 固态锂电池极片 Solid-state lithium battery electrode sheet
- 氢燃料电池碳纸 Hydrogen fuel cell carbon paper



## 密封系统

### Sealing System



## 镀铬模具带

### Chrome-plated Molding Belt

#### 优势 Advantages

- 耐磨延寿  
Wear resistant and extend lifespan
- 耐高温稳定  
Temperature resistant and stable
- 防腐护表, 隔绝侵蚀威胁  
Anti corrosion and surface protection, isolating the threat of erosion
- 助力脱模, 提升工艺流畅性  
Assist in demolding and improve the smoothness of the process

