

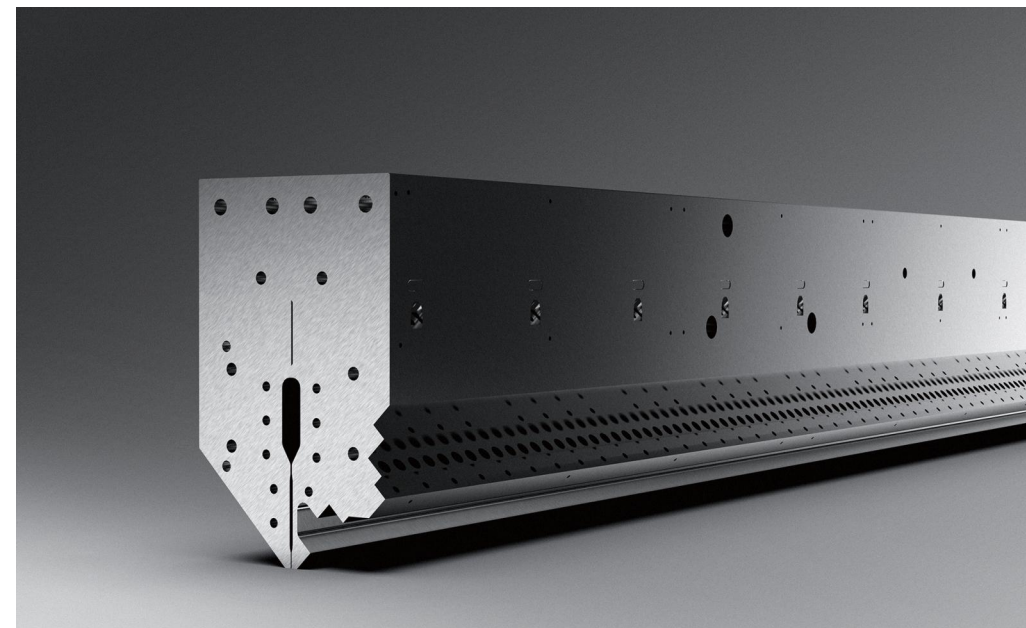
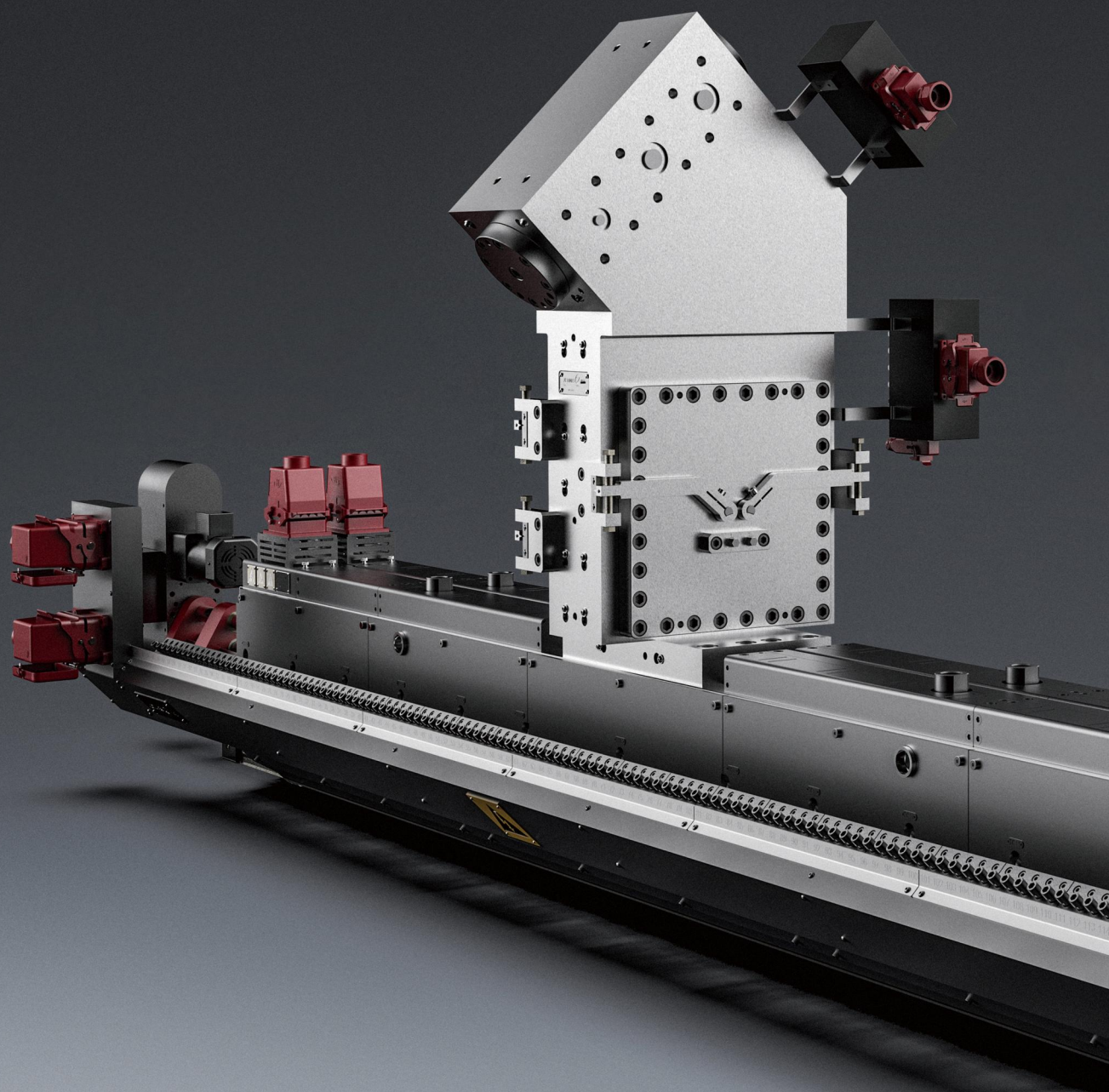
# CAST FILM DIE

From  
Dreams  
to  
Reality

知您所需  
创您所想

# 02 Customized Solutions

JCtimes specializes in the innovation of flat extrusion die, and with more than 20 years experience in designing and manufacturing cast film dies to become your most reliable partner in your production line. We can provide you with customized solutions for your specific requirements of any width, compound ratio, number of layers, and production capacity.



精诚专注于挤出平模头的技术革新, 以20余年流延膜模头的设计和制造经验, 成为您生产线上最可靠的合作伙伴。可根据任意宽幅、复合比例及层数、产能等要求, 为您提供量身定制的解决方案。



# Automatic Die Lip Adjustment System

During the production process, the gauge repeatedly measures the thickness of product and feeds back data. Thermal expansion bolts are automatically fine-tuned.

This design allows user to quickly and effectively control the accuracy of the product, and it can be optionally equipped with an internal or external deckle system.

## 自动调节系统

在实际生产过程中, 通过膨胀螺栓实时自动微调, 再经测厚仪自动横向往复准确检测并反馈数据。快速有效控制制品精度, 可任意选配带内堵或外堵式宽幅调节装置。

# 06 2.5D Analysis System

## Independent research of 2.5D multilayer coextrusion analysis system

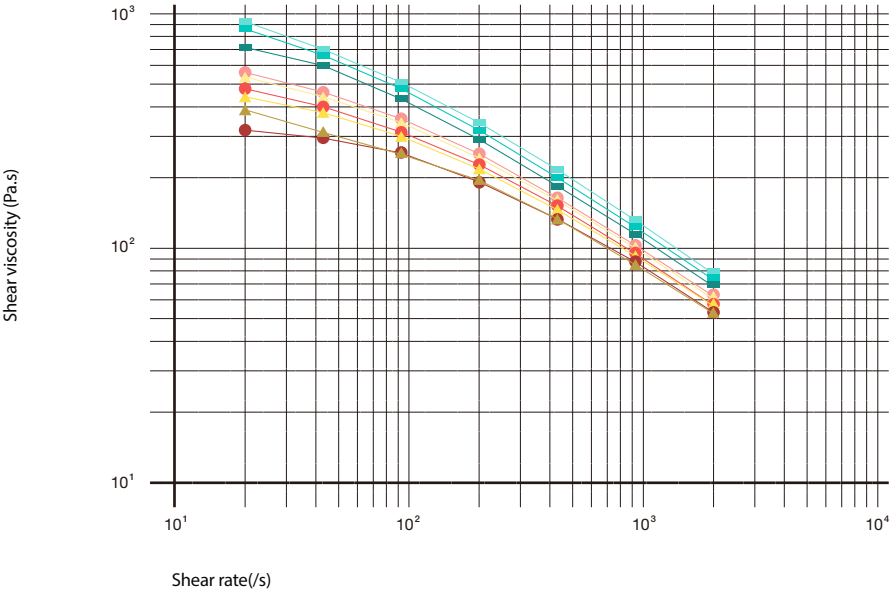
provide exclusive manifold design for different raw materials  
to improve production capacity and quality.

剪切速率和剪切粘度的关系曲线

The relationship between shear rate and shear viscosity

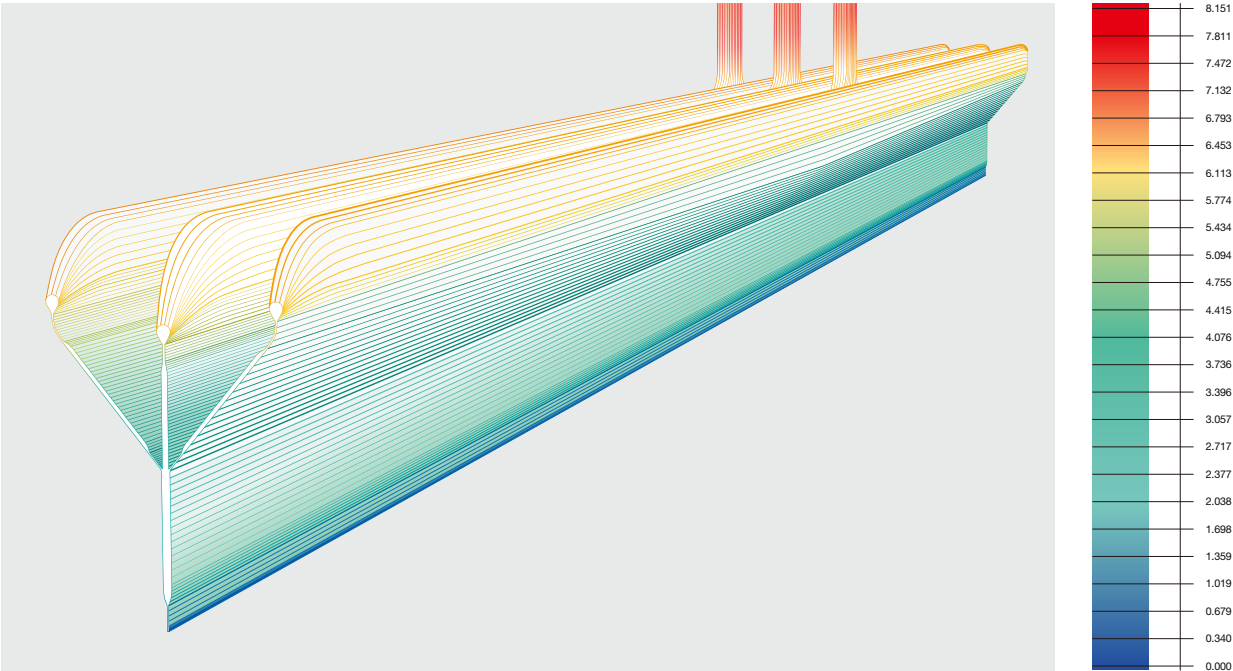
- CPP热封层-T230-1a-2019-12
- CPP电晕层-T230-1a-2019-12-
- CPP电晕层-T240-1a-2019-12-
- CPP电晕层-T250-1a-2019-12-
- CPP热封层-T240-1a-2019-12
- CPP芯层-T230-1a-2019-12-
- CPP芯层-T240-1a-2019-12-
- CPP芯层-T250-1a-2019-12-
- CPP热封层-T250-1a-2019-12

Rosand Precision Rheometer

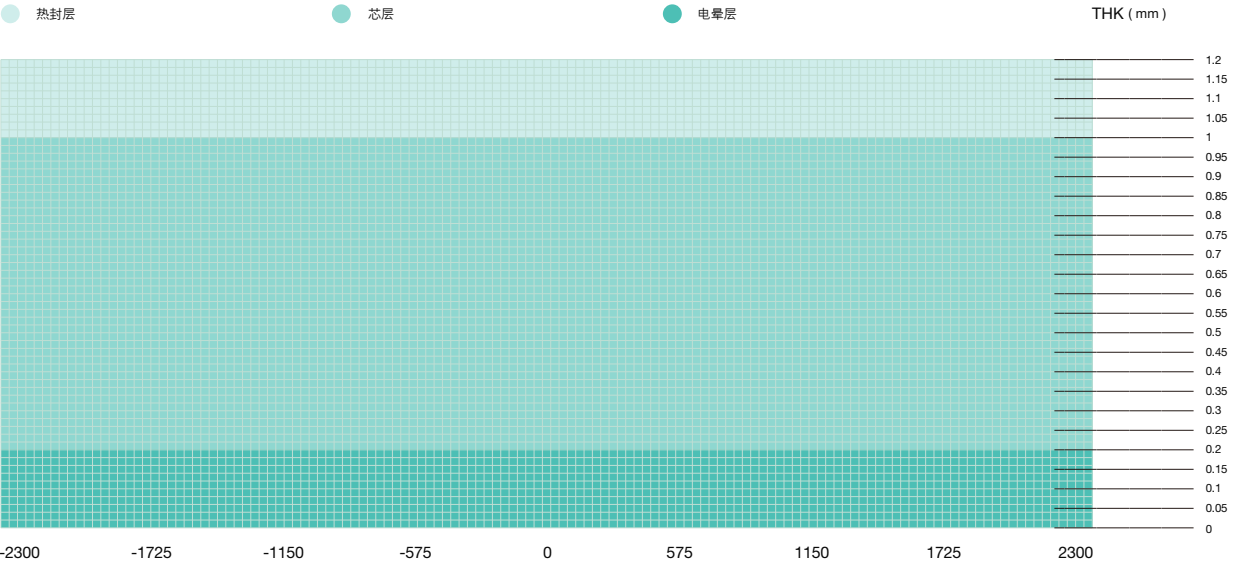


自主研发2.5D多层共挤解析系统, 针对不同原料  
提供专属的流道设计, 提升产能和品质。

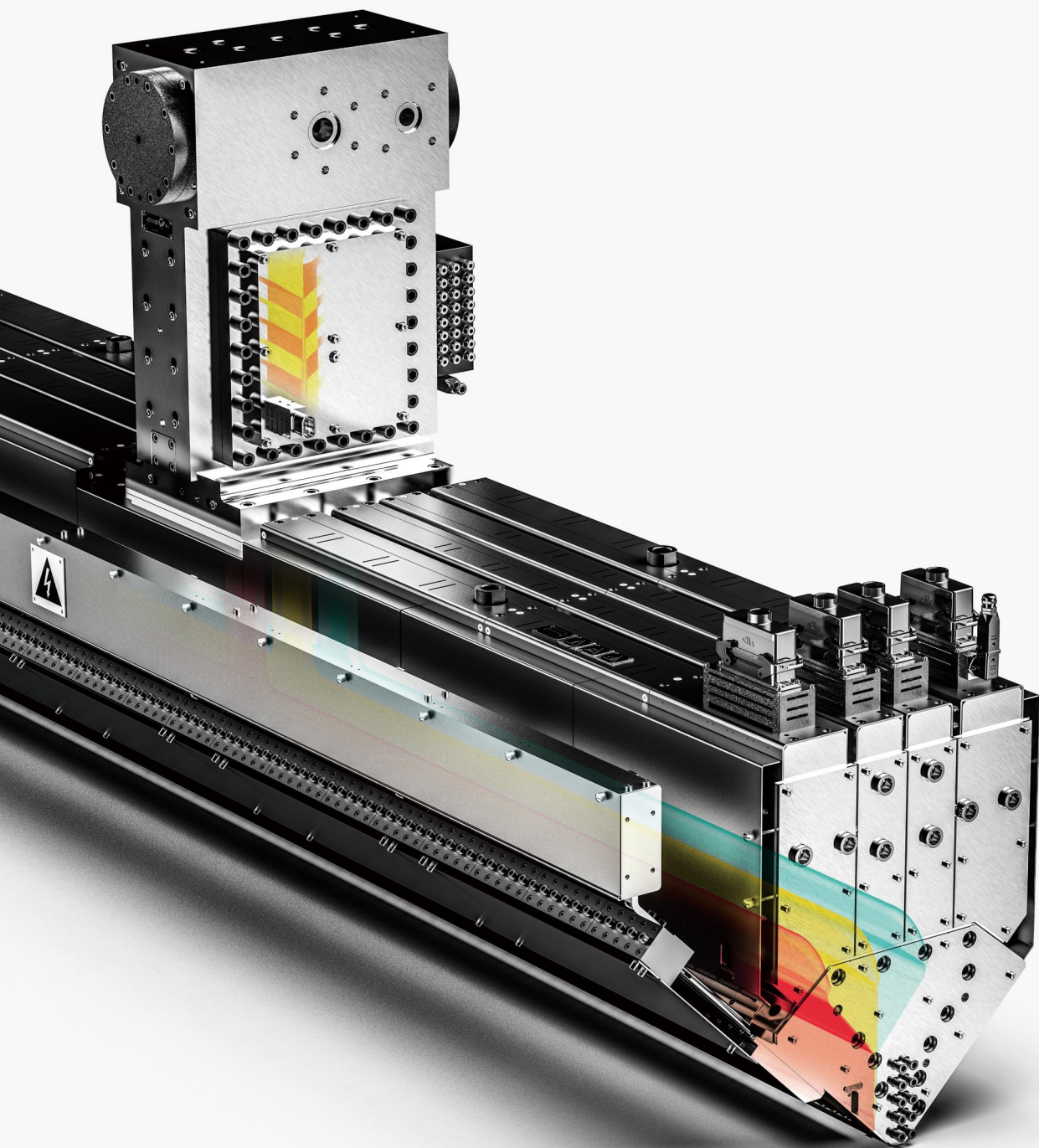
模腔压力分布  
Cavity Pressure Distribution



三层模内共挤模头 模唇出口各层厚度  
Three layer coextrusion in multimanifold die  
The thickness of each layer of product at the die lip







# 08 Multimaneifold Coextrusion

Multimaneifold die are used for very thin skin layers compared to the total thickness and structures with very large viscosity and temperature differences in adjacent layers.

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## 10%

共挤层的均匀性在10%以内

The uniformity of the co-extruded layer is within 10%

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## 20°C

各层温度差异最大可达20°C

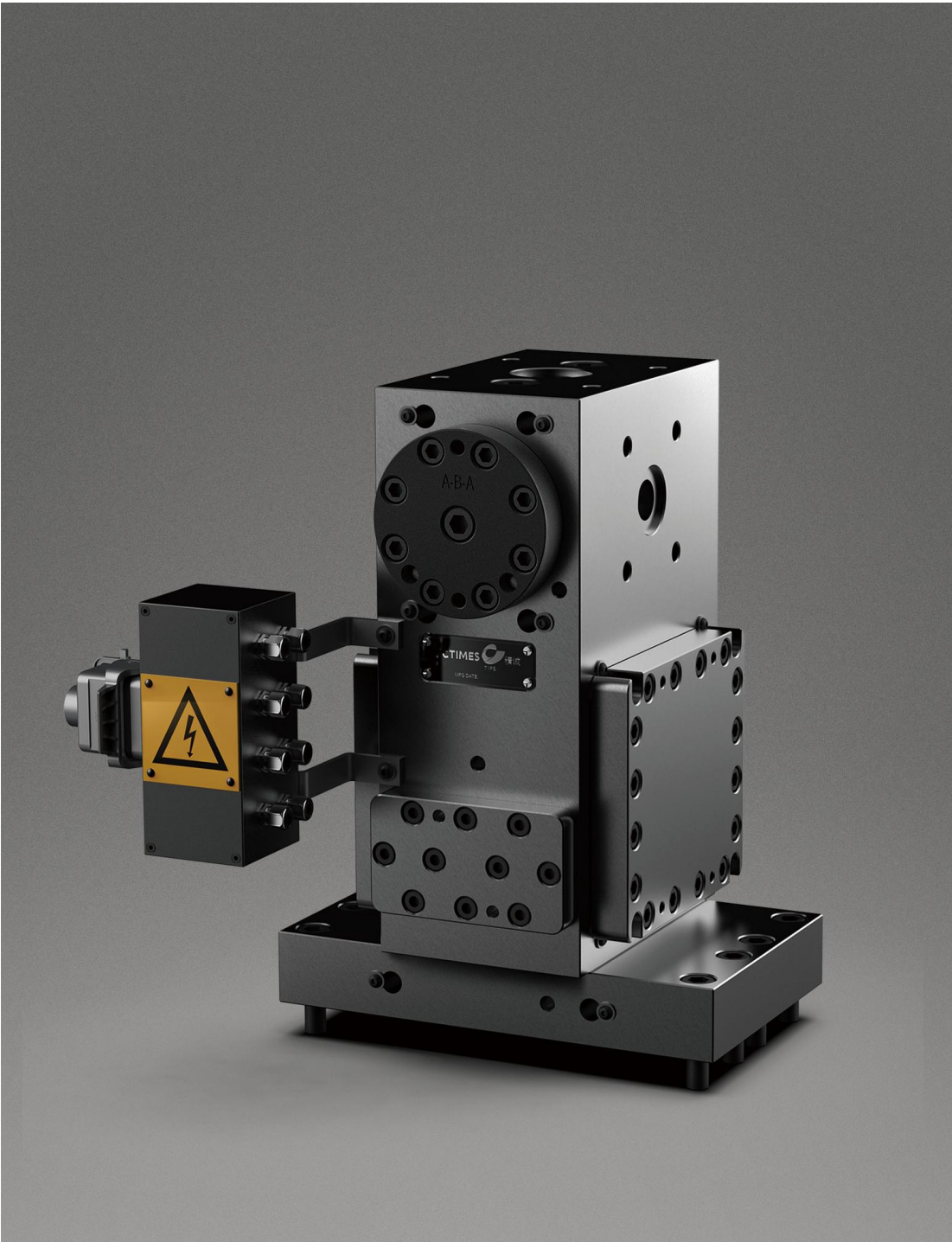
The temperature difference of each layer can be up to 20°C

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### 多层共挤

多层模内共挤复合模头, 适用于各层原料粘度或温度差异大, 复合层均匀性高的多层共挤高阻隔流延薄膜。

The feedblock coextrusion could achieve multilayer product, and by switching the spool block, the ratio of layer structure can be easily conversed.



分配器

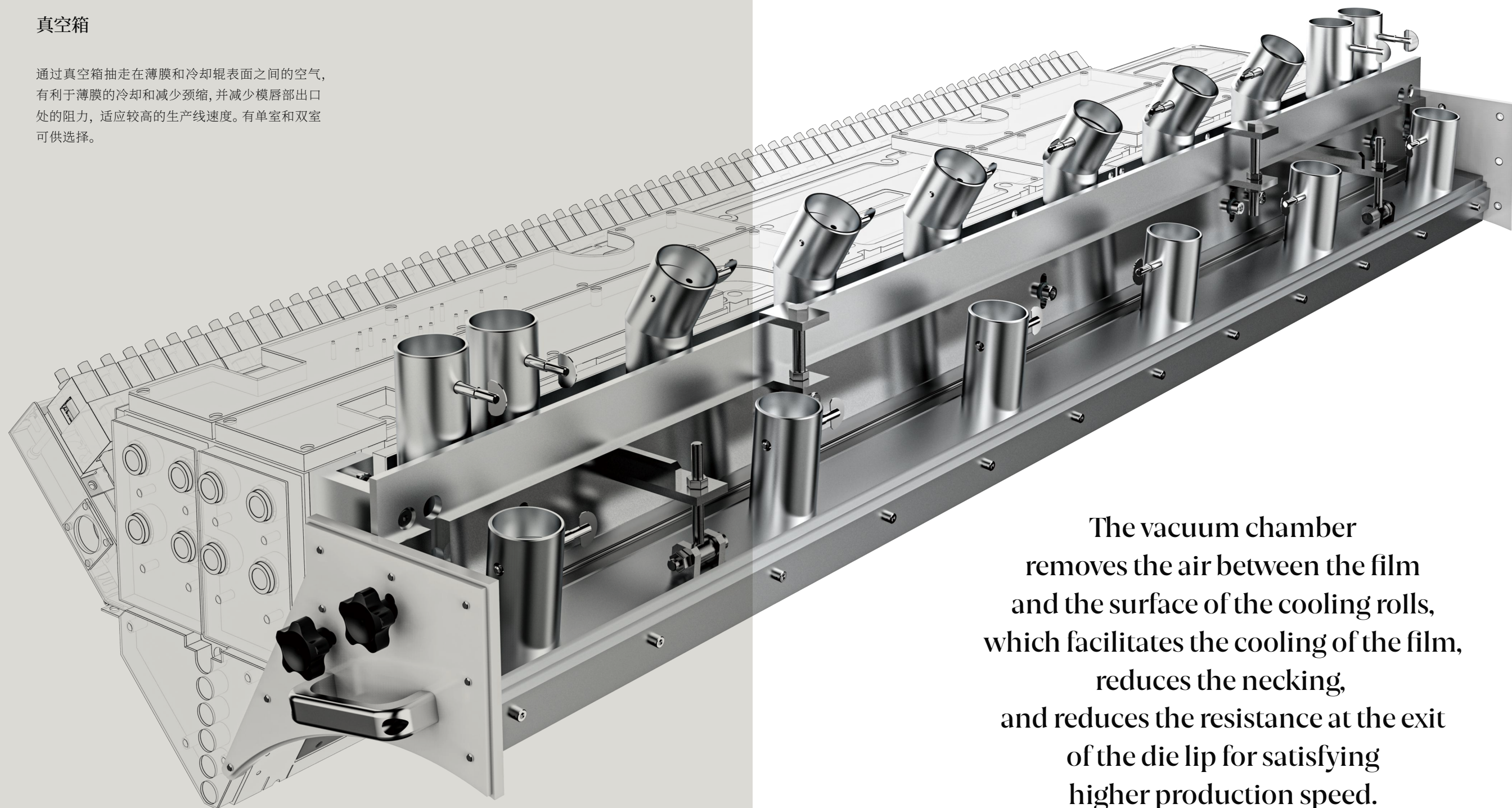
配合复合型共挤分配器可实现更多层的共挤加工，通过更换分配芯棒可灵活实现不同层结构的转换。



# 12 Vacuum Box

## 真空箱

通过真空箱抽走在薄膜和冷却辊表面之间的空气，有利于薄膜的冷却和减少颈缩，并减少模唇部出口处的阻力，适应较高的生产线速度。有单室和双室可供选择。



The vacuum chamber removes the air between the film and the surface of the cooling rolls, which facilitates the cooling of the film, reduces the necking, and reduces the resistance at the exit of the die lip for satisfying higher production speed.

Single chamber and double chamber are available for choice.



# 14 Brand Services

Empowered by digitalization, we strengthened the quality control systems in all aspects of design, production, and marketing



“JCtimes has always persevered in our brand mission that allow global users to enjoy high-quality dies.

精诚始终坚守让全球用户享用高品质模头的品牌使命，拥抱数字赋能，在设计、生产、营销等各个环节，加强质量控制体系建设，以对新技术、新材料、新工艺的无限可能性探索，竭诚为客户提供一体化产品解决方案，实现短交期、高品质、有温度的品牌服务。







Focus on mid-to-high-end market applications from the perspective of customers and consumers. Explore with you in depth the innovation of cast film technology, which plays an irreplaceable advantage in winding film, barrier film, PP film, vacuum aluminizing grade film, high transparency film and flexible packaging film.

从客户及消费者的视角出发，聚焦中高端市场的应用。与您深度探索流延膜技术的革新，在缠绕薄膜、阻隔薄膜、PP薄膜、真空镀铝级薄膜、高透明薄膜和软包装薄膜等领域发挥无可替代的优势。



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