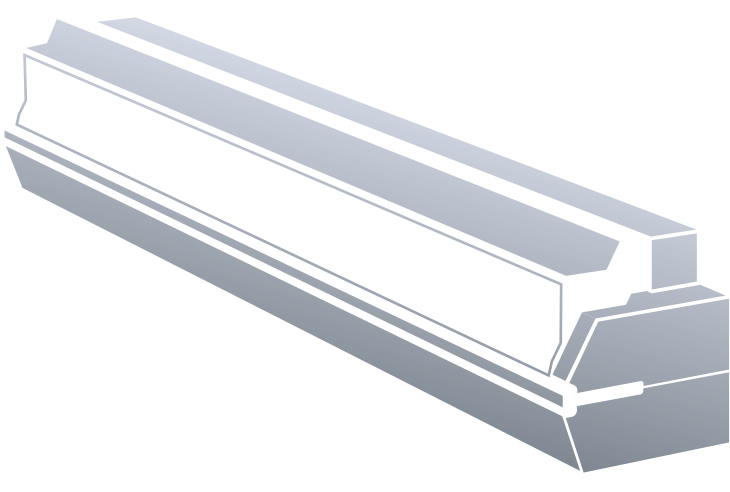


SOLAR ENCAPSULATION FILM DIE



From
Dreams
to
Reality

知您所需
创您所想

A quality EVA or POE

adhesive film needs to have good light transmission, high barrier, impact strength, and excellent optical properties and chemical stability.
The die performance plays a decisive role in the quality of the film.



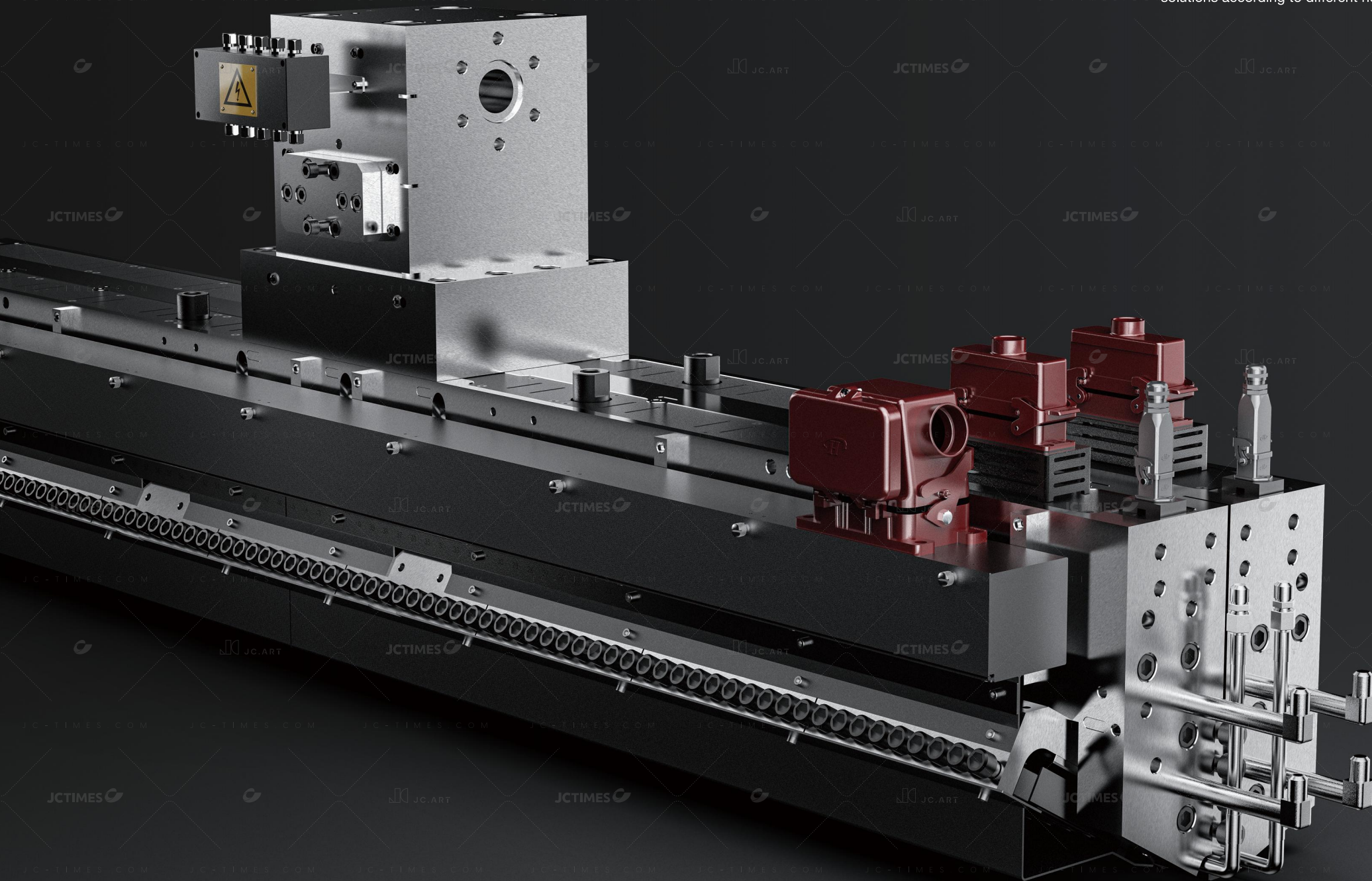
光伏模头性能对胶膜品质起到决定性的因素，
优质的EVA或POE胶膜，
具备良好的透光率、高阻隔率、抗冲击强度、以及优秀的光学性能及化学稳定性。

04 Solar Encapsulation Film Die

JCTimes continues to invest in the R&D and technology iteration of solar encapsulation and backsheet die heads to create a new dimension of smart manufacturing in the PV industry with independent innovation, design verification and optimization of product accuracy and performance. And we can provide customized solutions according to different needs of users.

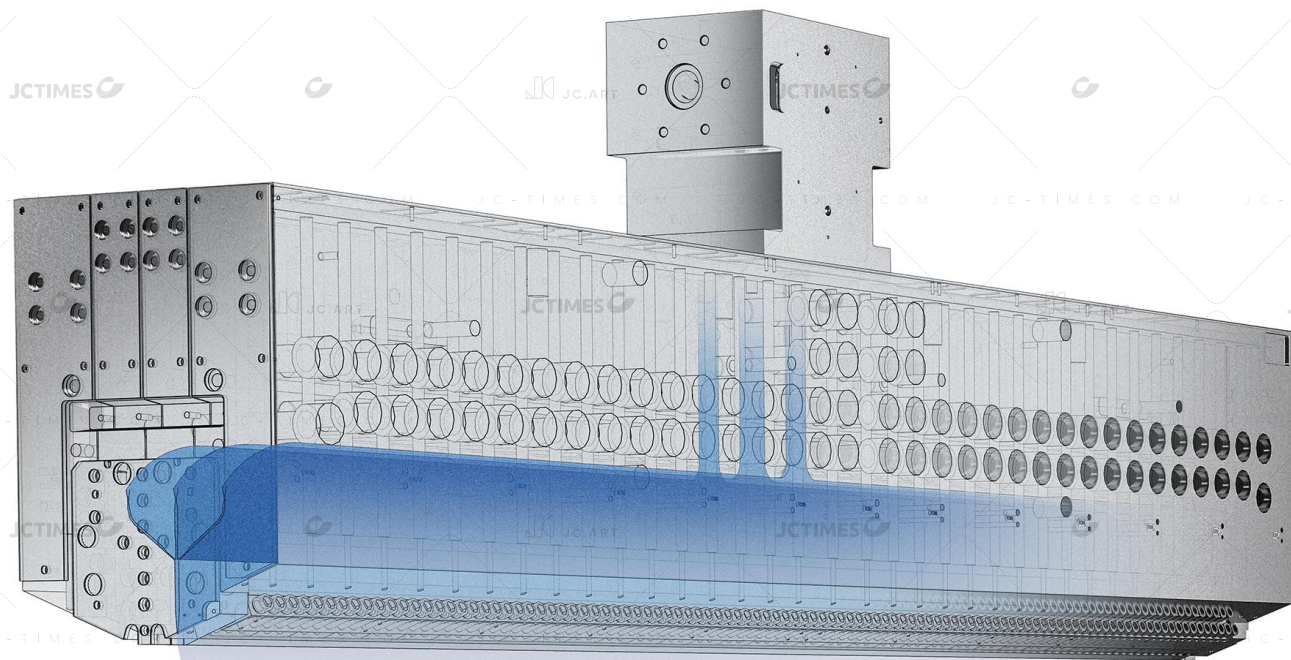
二十多年来，精诚持续投入太阳能封装和背板模头的研发与技术迭代，以自主的创新，设计验证和优化产品精度与性能，创领光伏产业智能制造新维度。

并且我们根据用户的生产环境、工艺流程、不同配方和宽幅需求，提供针对性的定制解决方案。



06 Multilayer coextrusion

JCTimes EVA, POE three-layer automatic die head, for low temperature and high pressure material extrusion, effectively solve the solar film prone to material cross-linking, decomposition and other phenomena. Product thickness tolerance $\pm 1\%$ or less; shrinkage rate within 2%. The production capacity can reach 600-800 kg/hour. Saving production cost, helping customers to achieve low energy consumption and short delivery time for mass production.



胶膜挤出精度

$\pm 1\%$

产品厚度误差 $\pm 1\%$ 以内

Product thickness tolerance within $\pm 1\%$

2%

控制胶膜收缩率2%以内

Control the shrinkage rate of film within 2%

多层共挤

精诚EVA、POE三层自动模头, 针对低温高压材料挤出, 有效解决了太阳能胶片容易发生材料的交联、分解固化等现象。产品厚度误差 $\pm 1\%$ 以内; 控制胶膜的收缩率2%以内。产能可达600-800公斤/小时。节约了生产成本与能源消耗, 帮助客户实现低能耗、短交期量产。

08 Precision Manufacturing

In the constant temperature
and humidity digital workshop
of 20-26℃
all year round,

we are equipped with the world's leading instruments and equipment to guarantee the precision of die head processing. For the demand of optical grade high quality, we add tungsten carbide surface treatment technology and nano diamond alloy treatment technology to the traditional chrome plating.

精密制造

在常年20-26摄氏度的恒温恒湿数字化车间,我们配备全球领先的仪器与设备,保障模头加工的精密度。针对光学级高品质需求,在传统镀铬的基础上增加了碳化钨表面处理技术和纳米钻石合金处理技术。

10 2.5D Analysis System

The introduction
of *2.5D*
resolution algorithms
to the calculation
of multilayer
coextruded dies

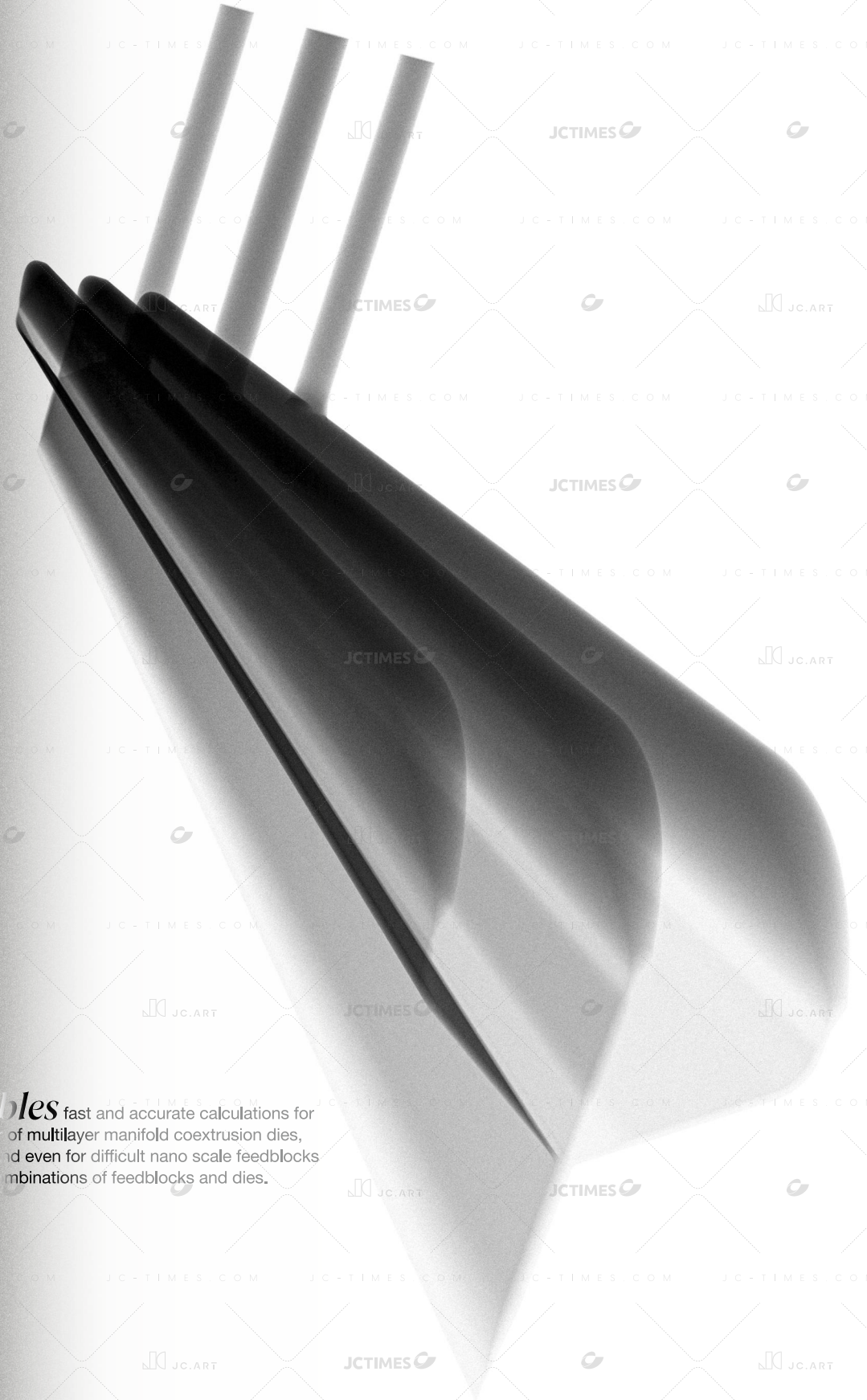
is
also an innovation
made by JCtimes
to solve practical
application problems
for users.

2.5D多层共挤解析系统

将2.5D解析算法引入多层共挤模头的运算，
也是精诚为用户解决实际问题做出的革新。

任意层数模内共挤模头与任意宽幅模头，
甚至高难度纳米分配器及分配器与模头组合的解析，
都可以实现快速且精准的计算。

It enables fast and accurate calculations for
any number of multilayer manifold coextrusion dies,
any widths, and even for difficult nano scale feedblocks
and combinations of feedblocks and dies.





Solar energy is a clean, non-polluting, renewable energy source that It can be used in any situation where power is needed, such as spacecraft, megawatt power plants, urban transportation, and household power supply, etc. having leading and valuable advantages in the international competition.

太阳能是一种清洁、无污染的可再生能源,可用于任何需要电源的场合,航天器、兆瓦级电站、城市交通、家用电源等无处不在,在国际竞争中具领先价值优势。

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