

Mould / Tooling Solution OEM/ODM

- Professional experience in One stop solution on tooling & Mould production.
- Satisfy the precision mold requirement in wide range industry.
- We can do from mold design to manufacturing.



Brief Introduction of Mould Developing Ability

Longwell is capable of designing ,developing and making moulds for plastic blades & Impellers with highly advanced mold Making equipment: Machining Center LSWEDM(slow-feeding NC wire-cut machine) ,EDM(electrical discharge machine),Carving machine,Lathe,Precision Grinder ,Drilling Machine ,etc.

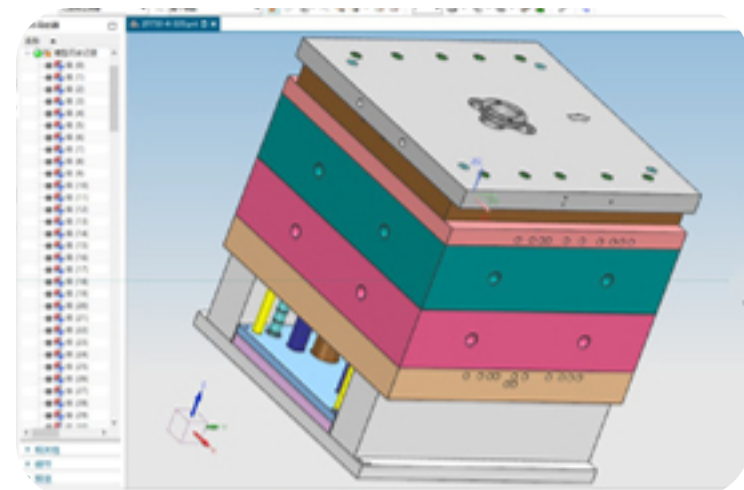
And Longwell has gathered a large number of professional mold engineers :senior mold design engineer, senior air conditioning blade development engineer ,etc.

And Longwell team use the most advanced mold design software in the industry : such as UG,Auto_CAD,CFD ,etc.

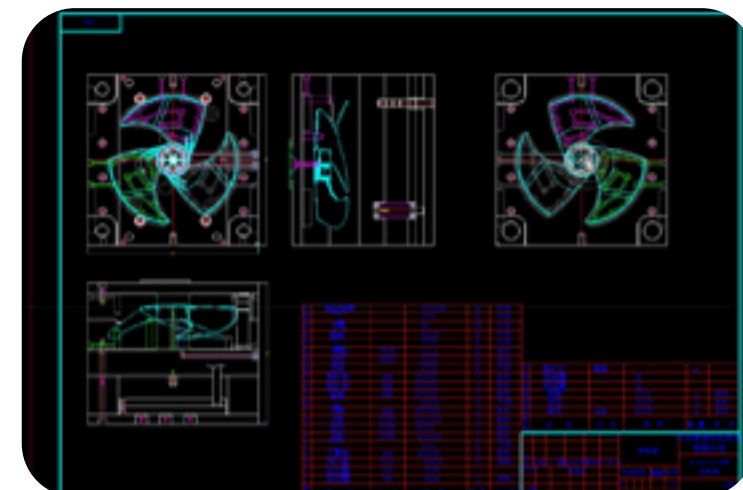
Our direct or indirect strategic partners include Daikin,Gree,Midea ,AUX,Hisense ,LG ,etc.



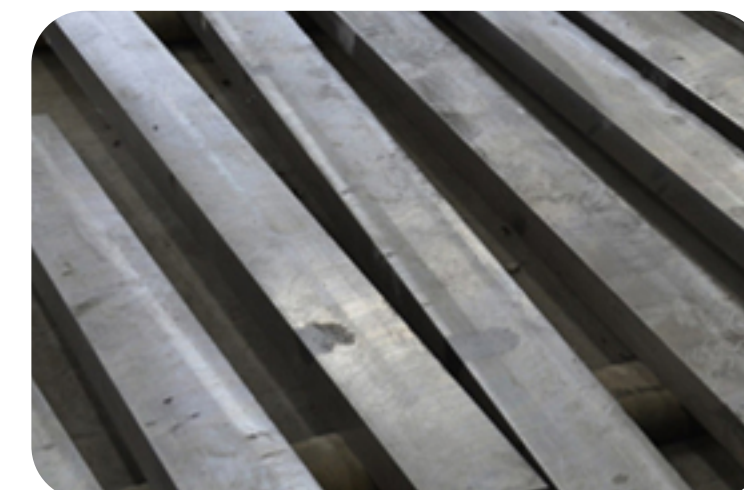
Mold Manufacturing Process



1 Product samples or 3D design drawings



2 Mould design



3 Material Preparation



4 CNC machining



9 Mold (product) packaging and delivery



8 Mass Production



7 Sample Inspection

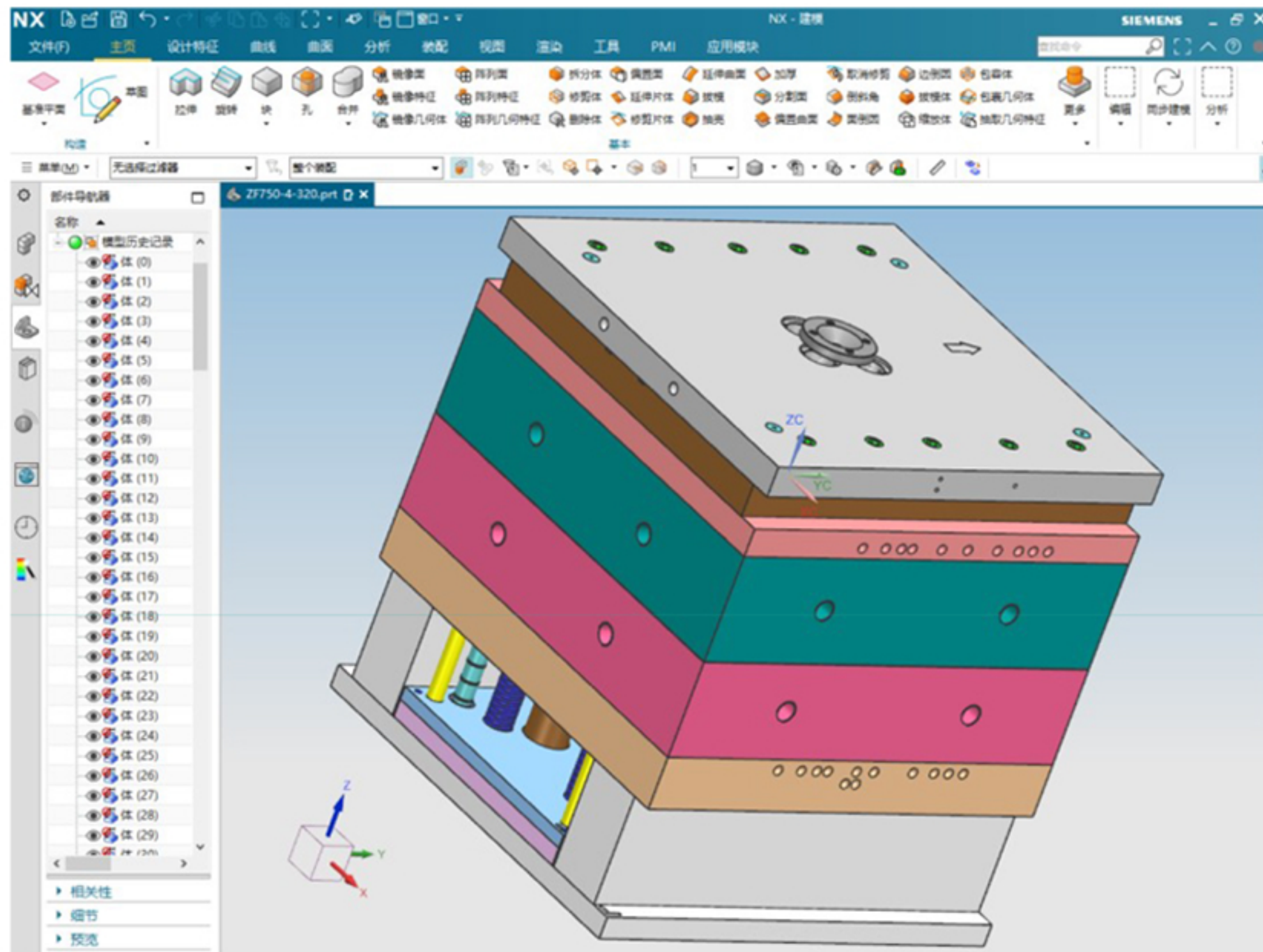


6 Mold Trail

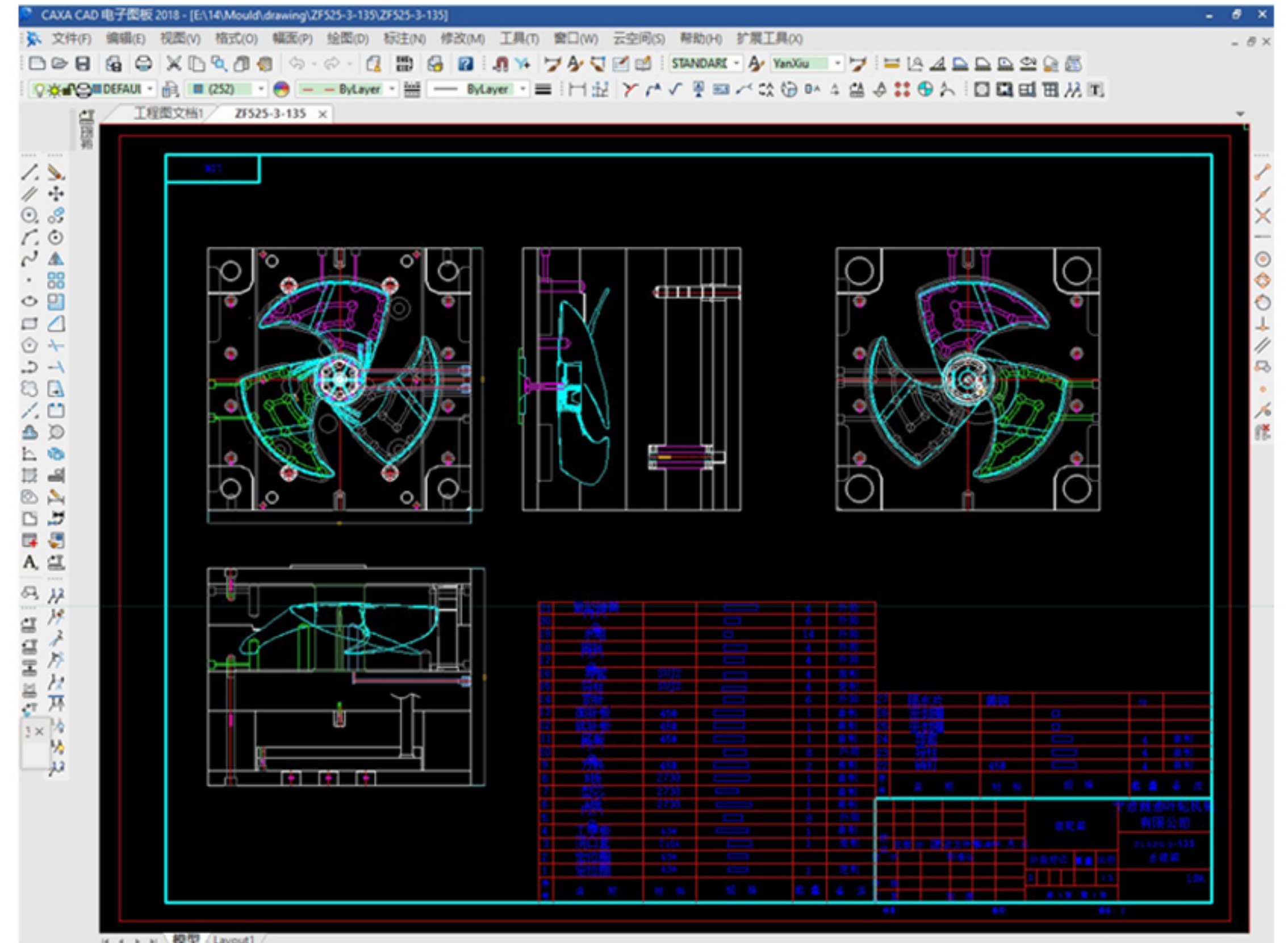


5 EDM Machining

Mold Design Tools



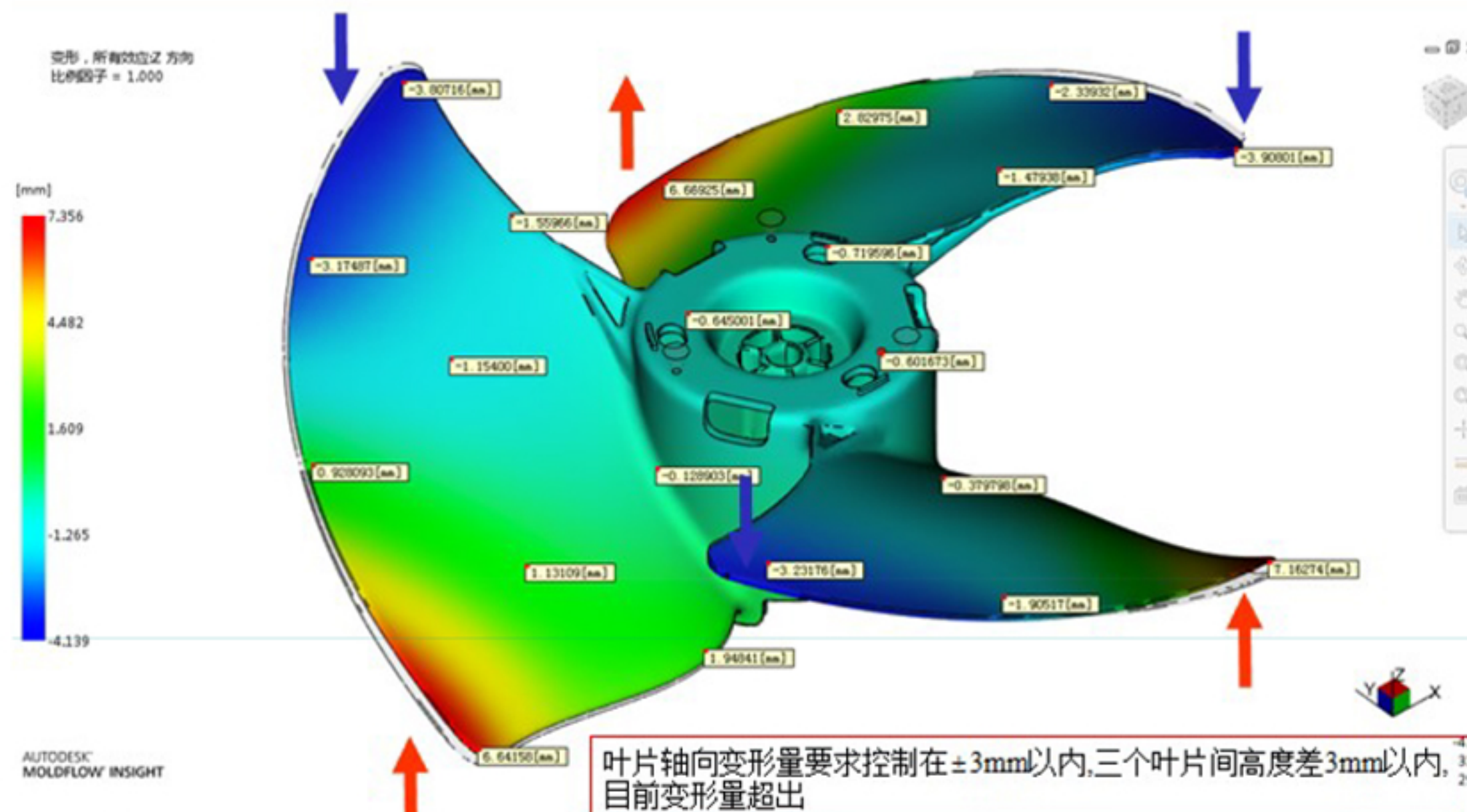
3D Design: UG



2D Design: CAD

Mold Design Tools

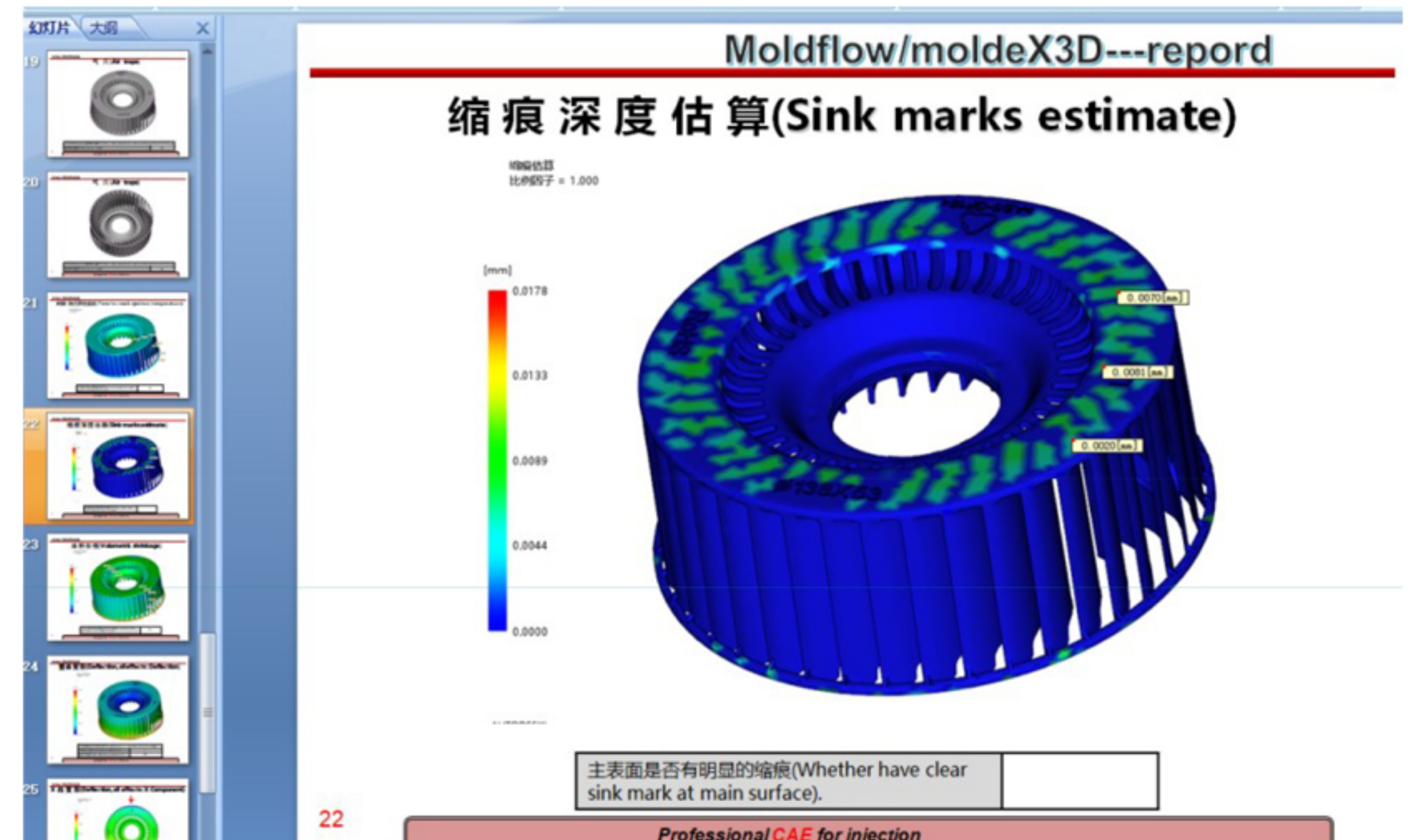
变形,所有效应:Z方向 Deflection, all effects:Z Component



叶片轴向变形量要求控制在±3mm以内,三个叶片间高度差3mm以内,目前变形量超出

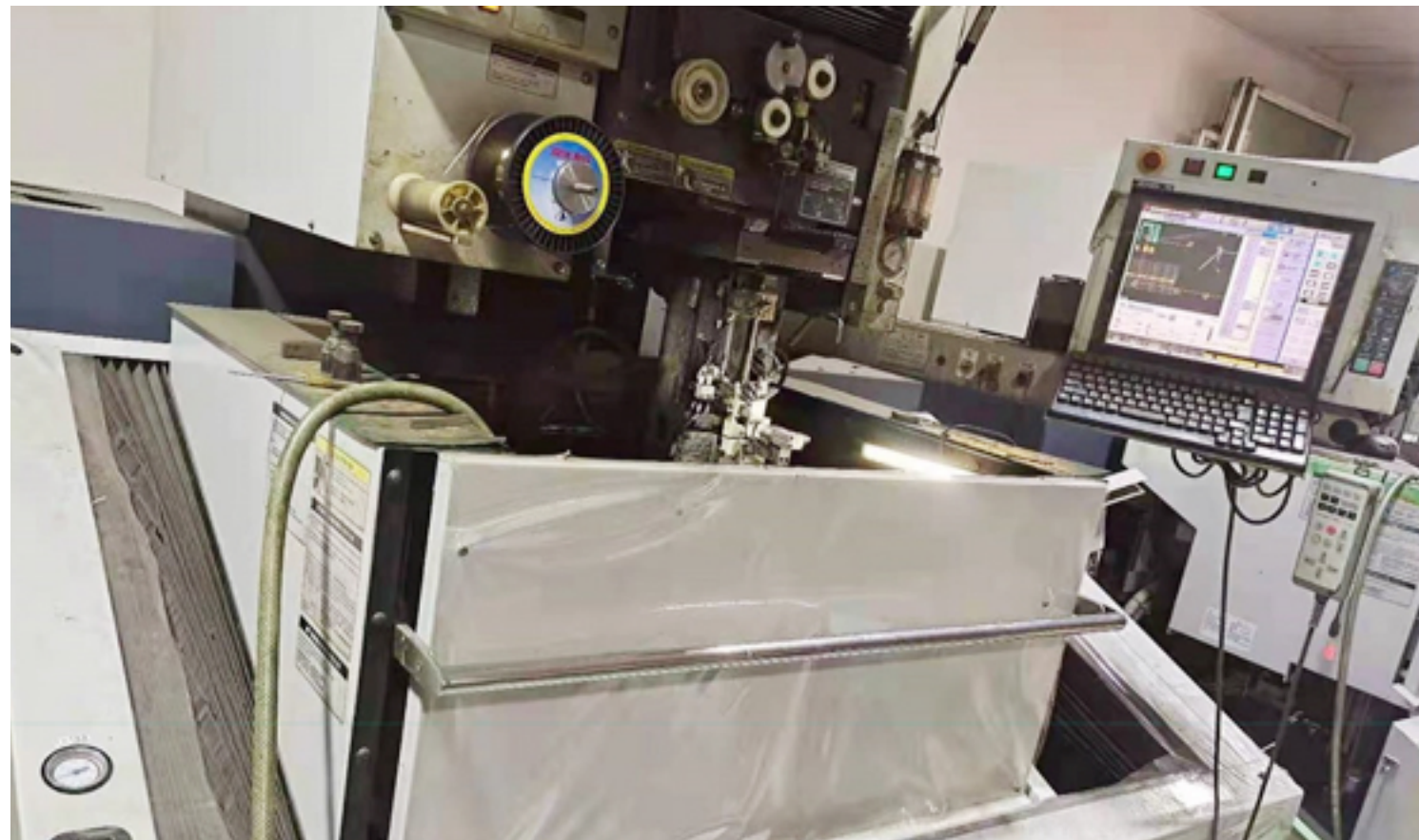
Z (叠加) 方向翘曲变形	11.495mm	比例因子	1
变形说明	此结果反映Z方向的翘曲变形,图中数值为此测量点相对原始位置在Z方向上的偏移量,此产品在Z方向上有大量翘曲,可否通过装配矫正。		

Mouldflow



Mouldflow

Mould Processing Equipment



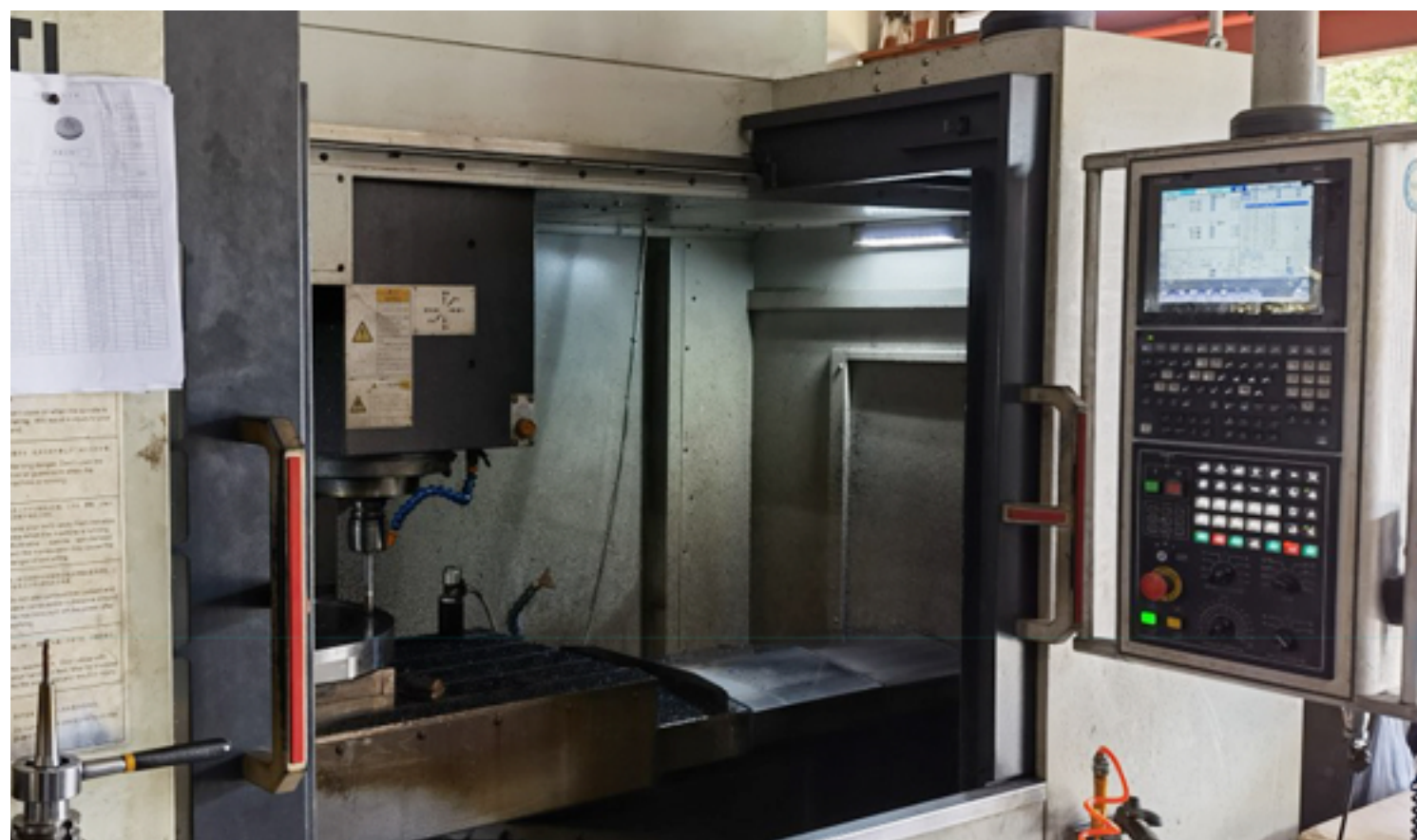
LSWEDM



MSWEDM



EDM(electrical discharge machine)



High Speed Milling Machine

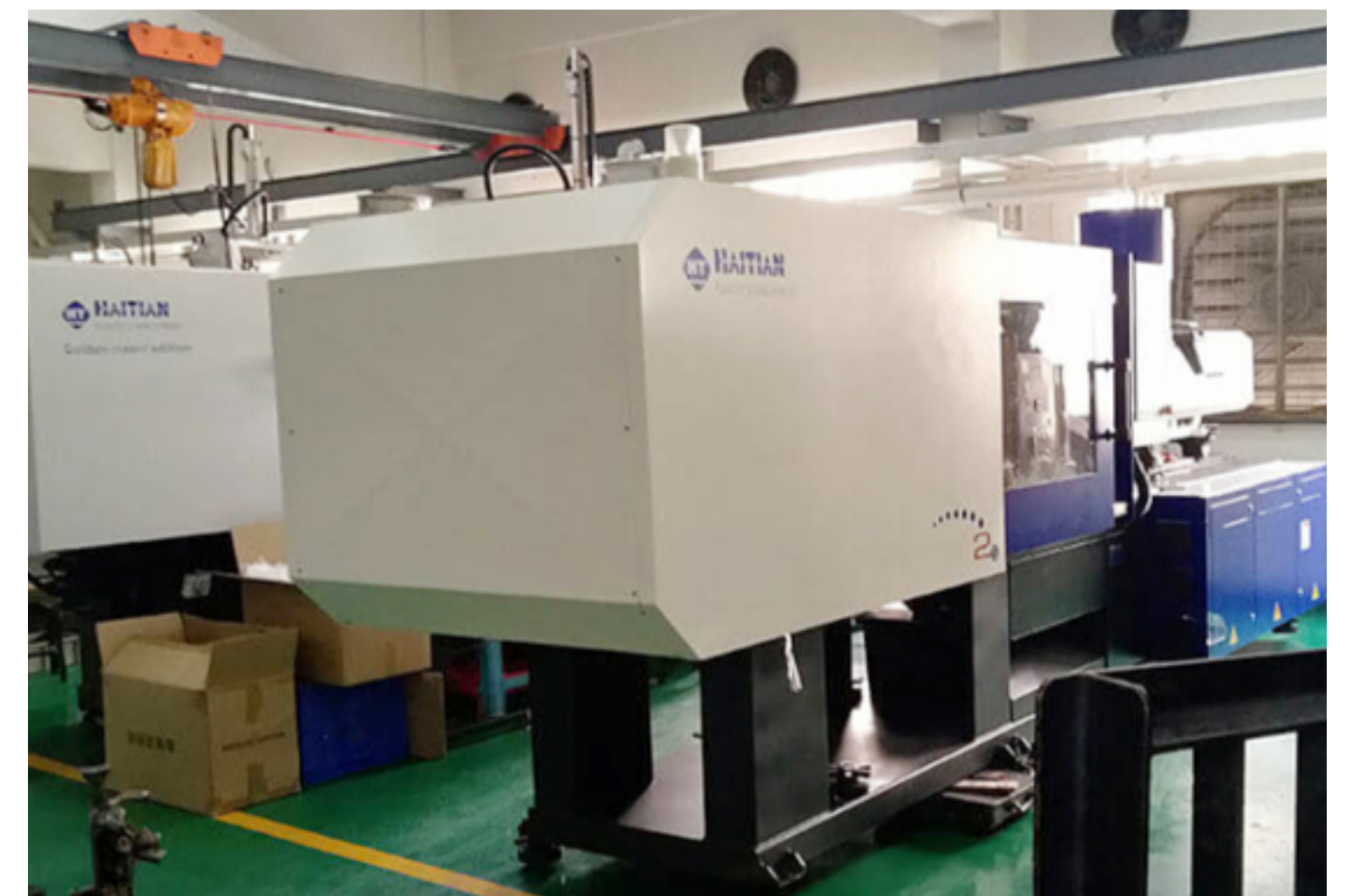


High Speed Milling Machine



CNC Lathe

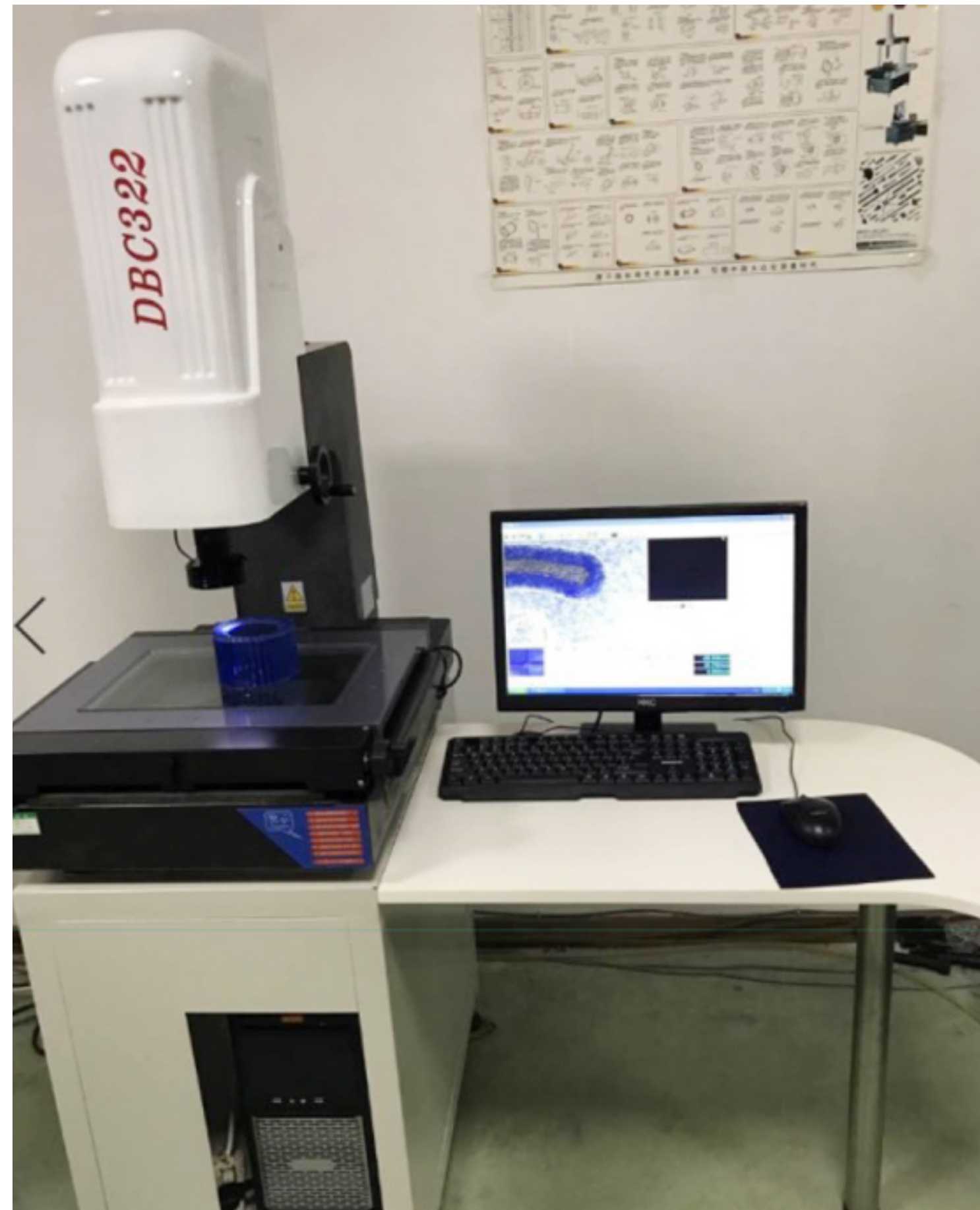
Injection Molding Equipment



Mould and Product Testing Equipment



Three Coordinate Measuring Machine

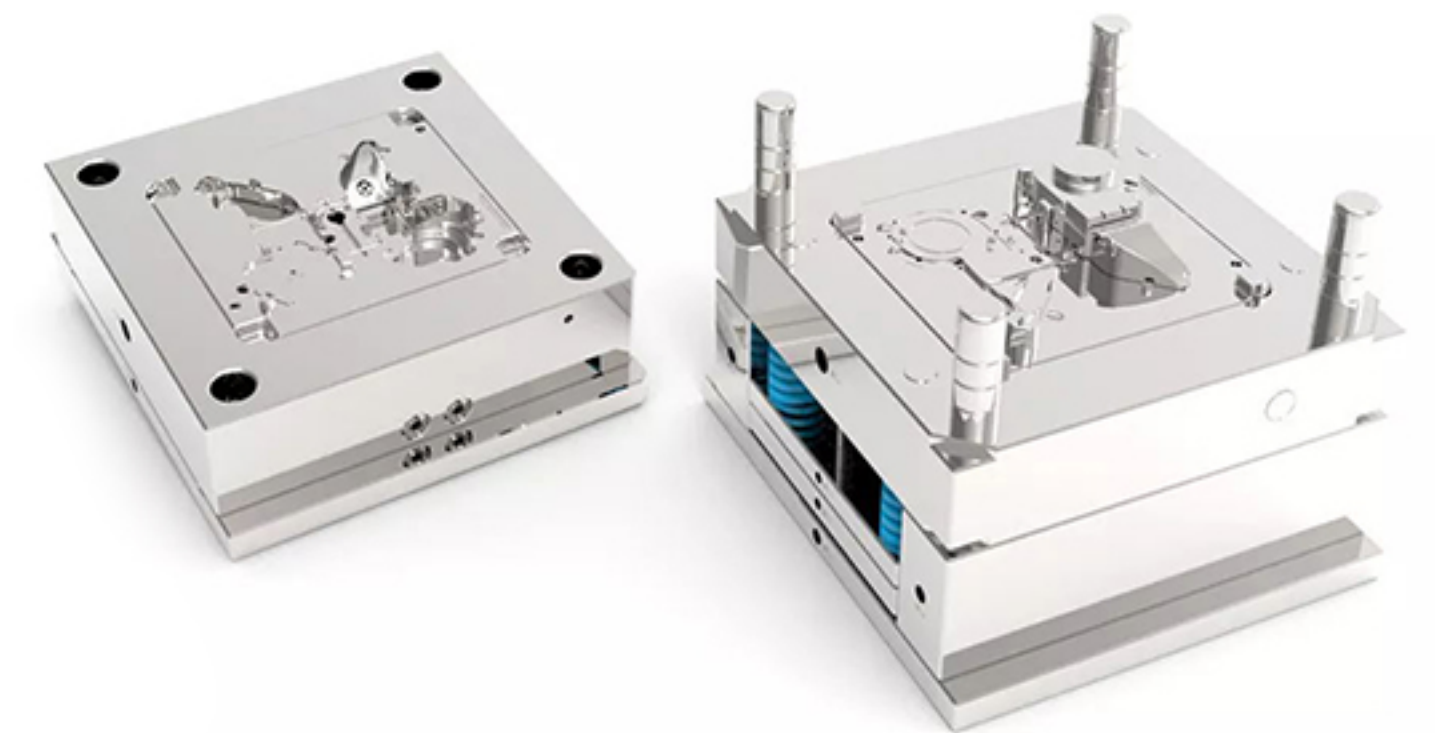
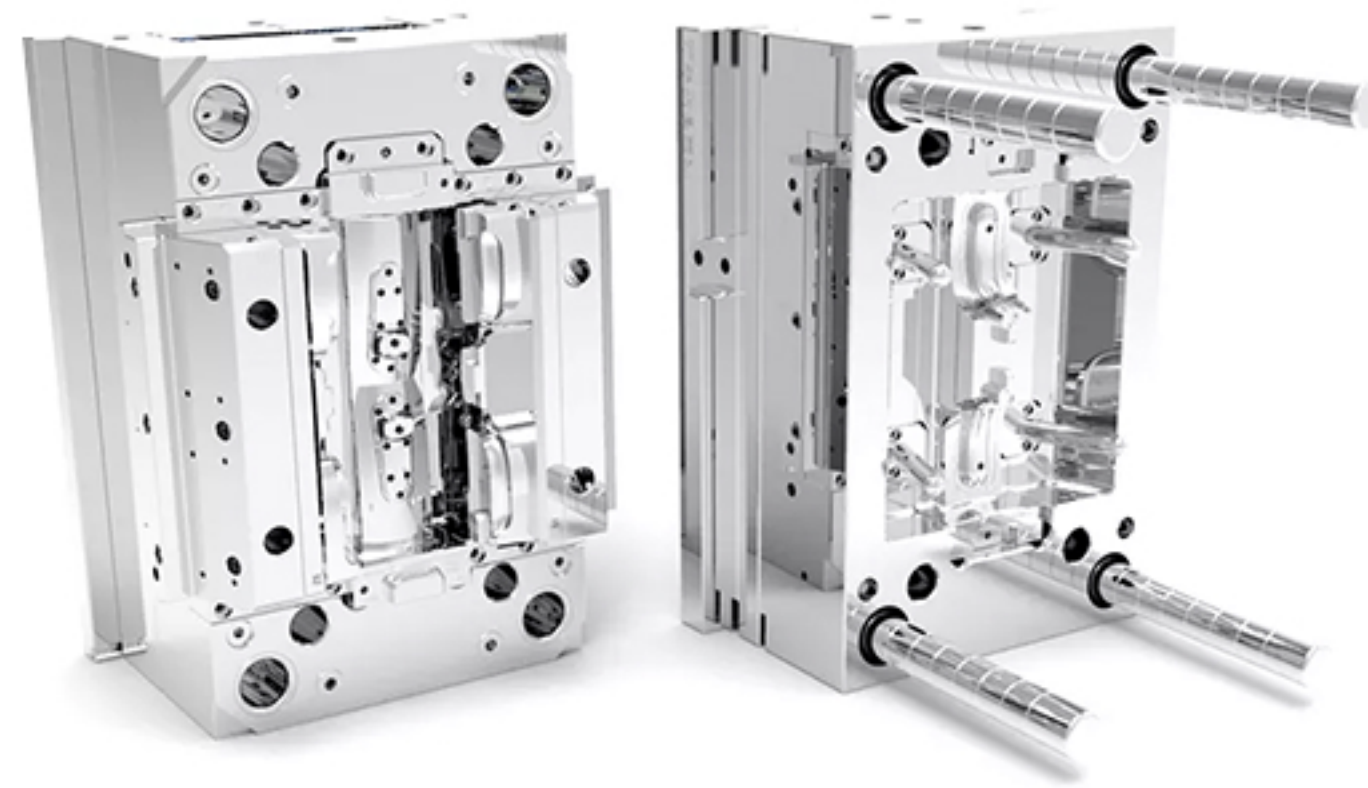
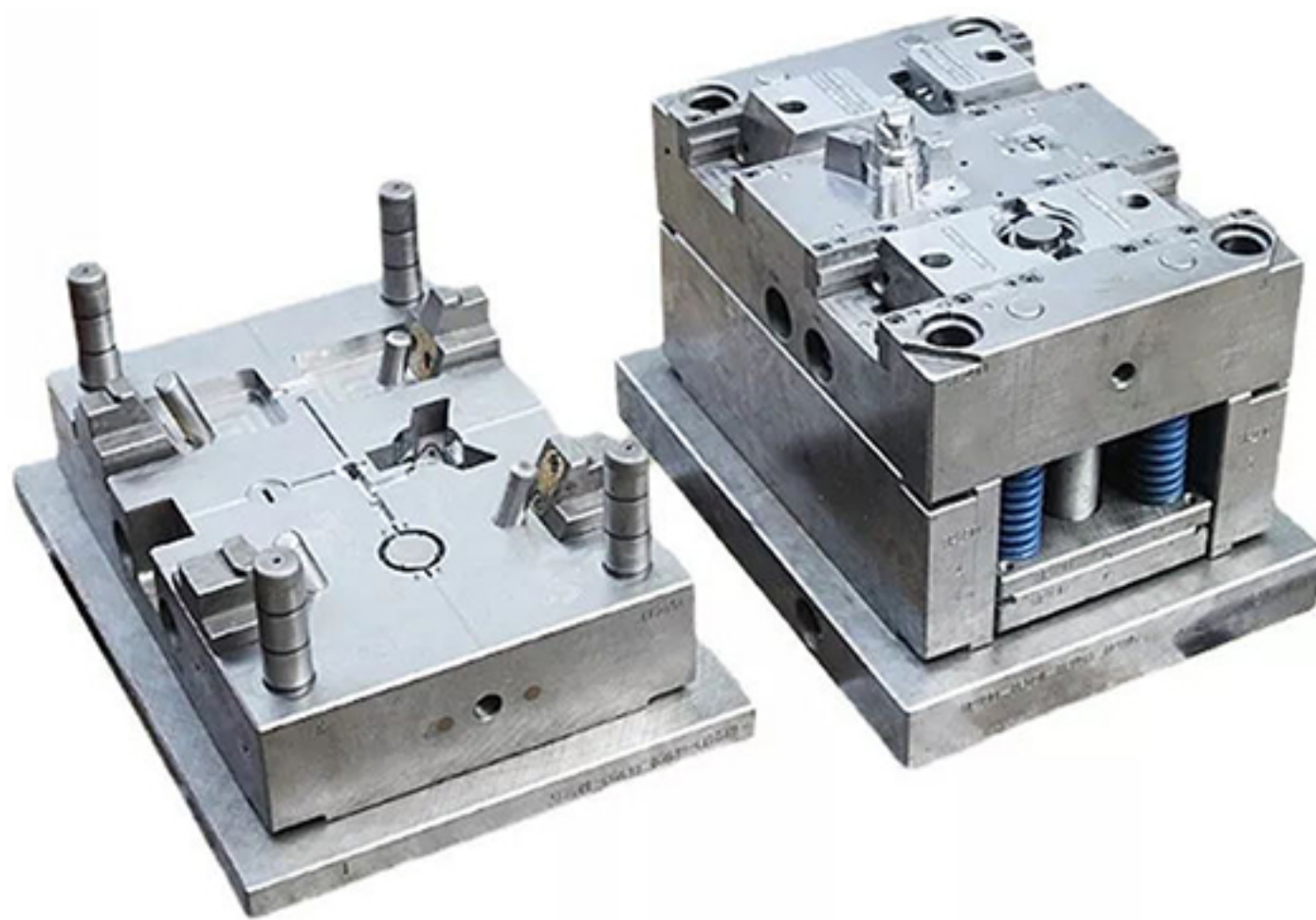
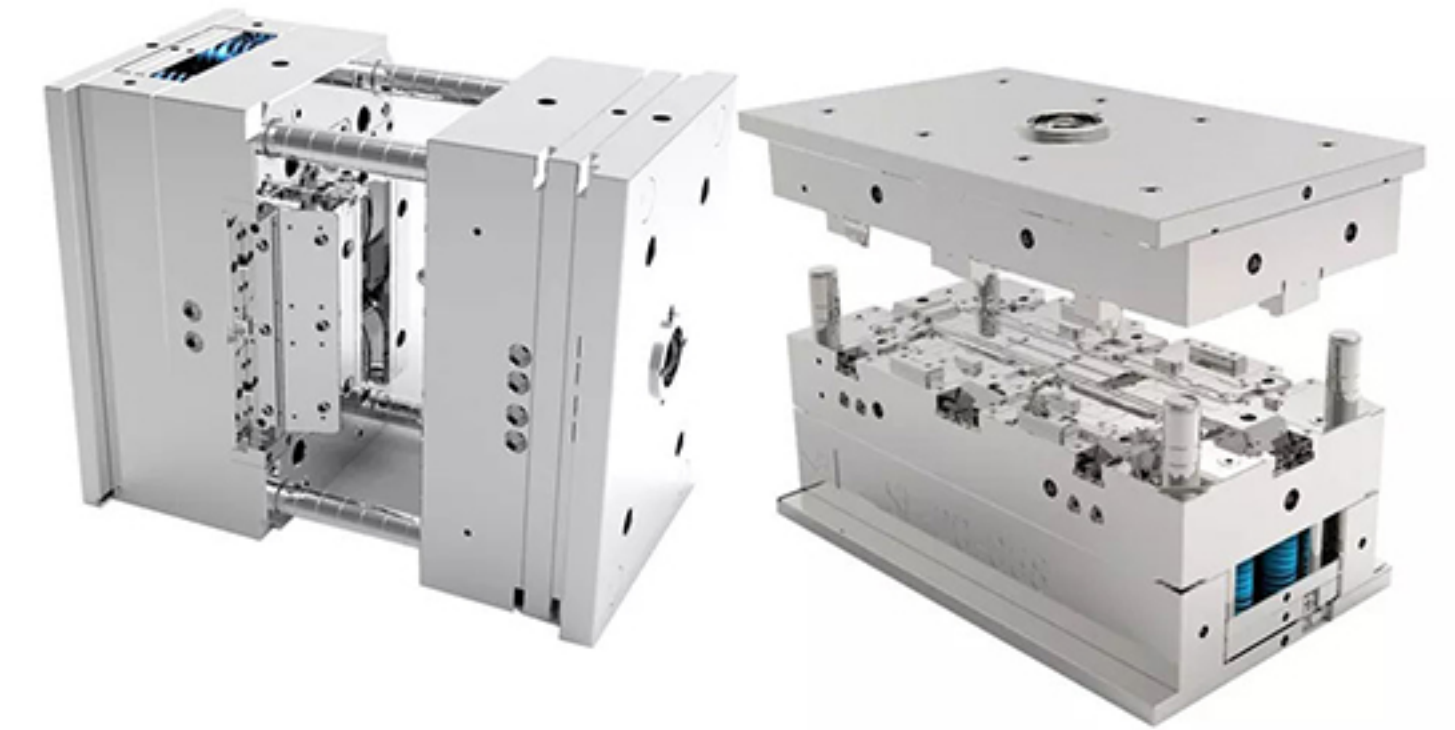
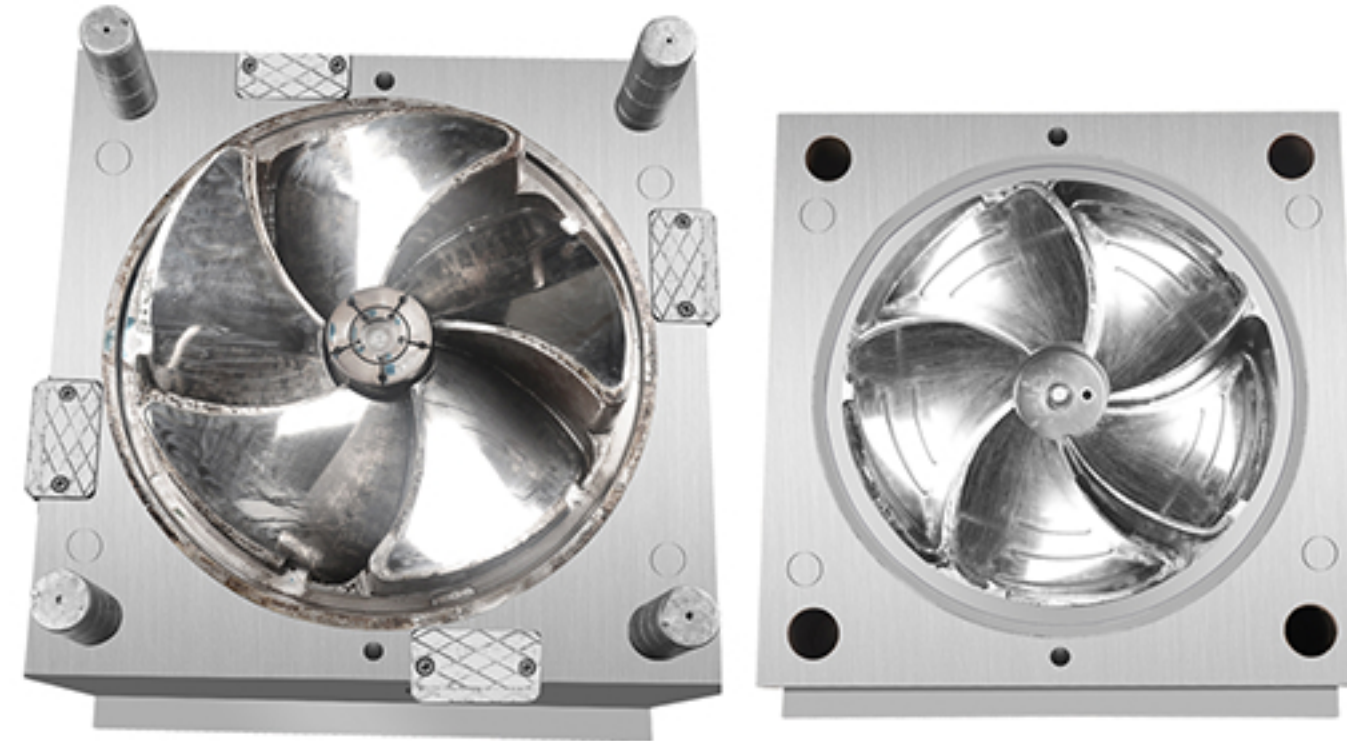
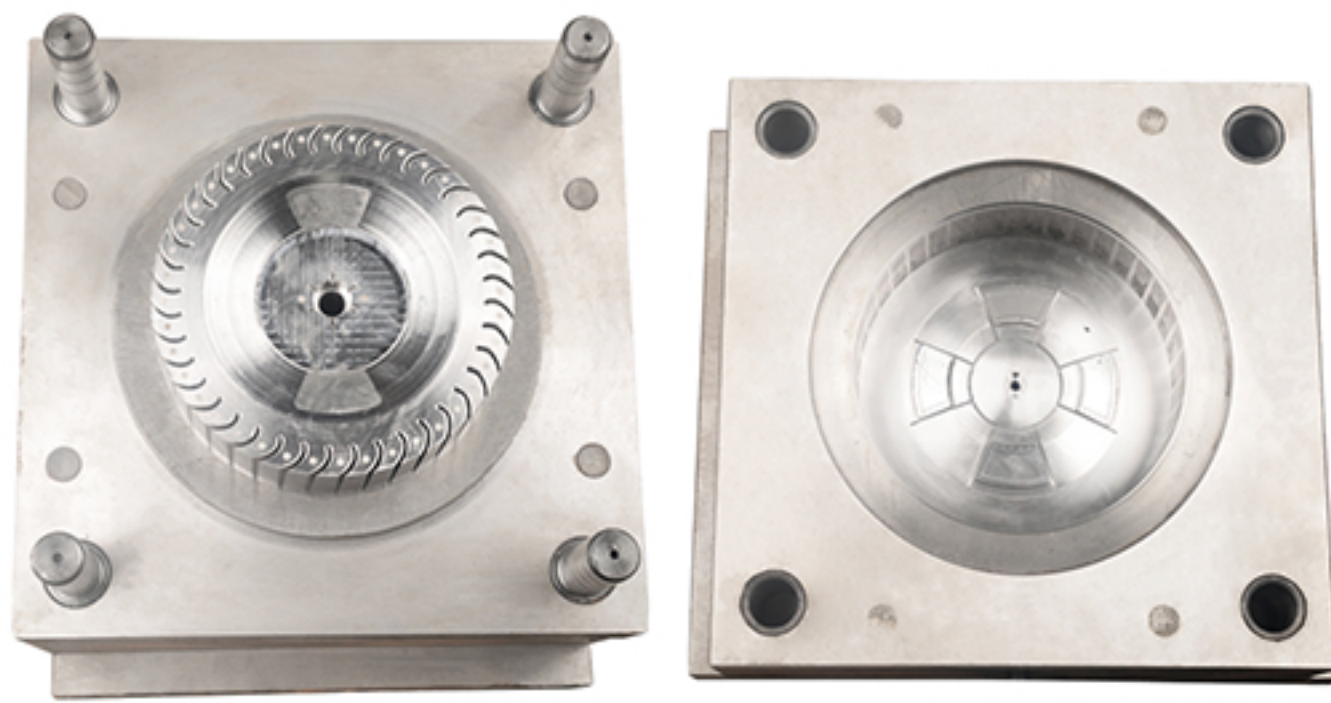


Two Dimensional Mapping Instrument

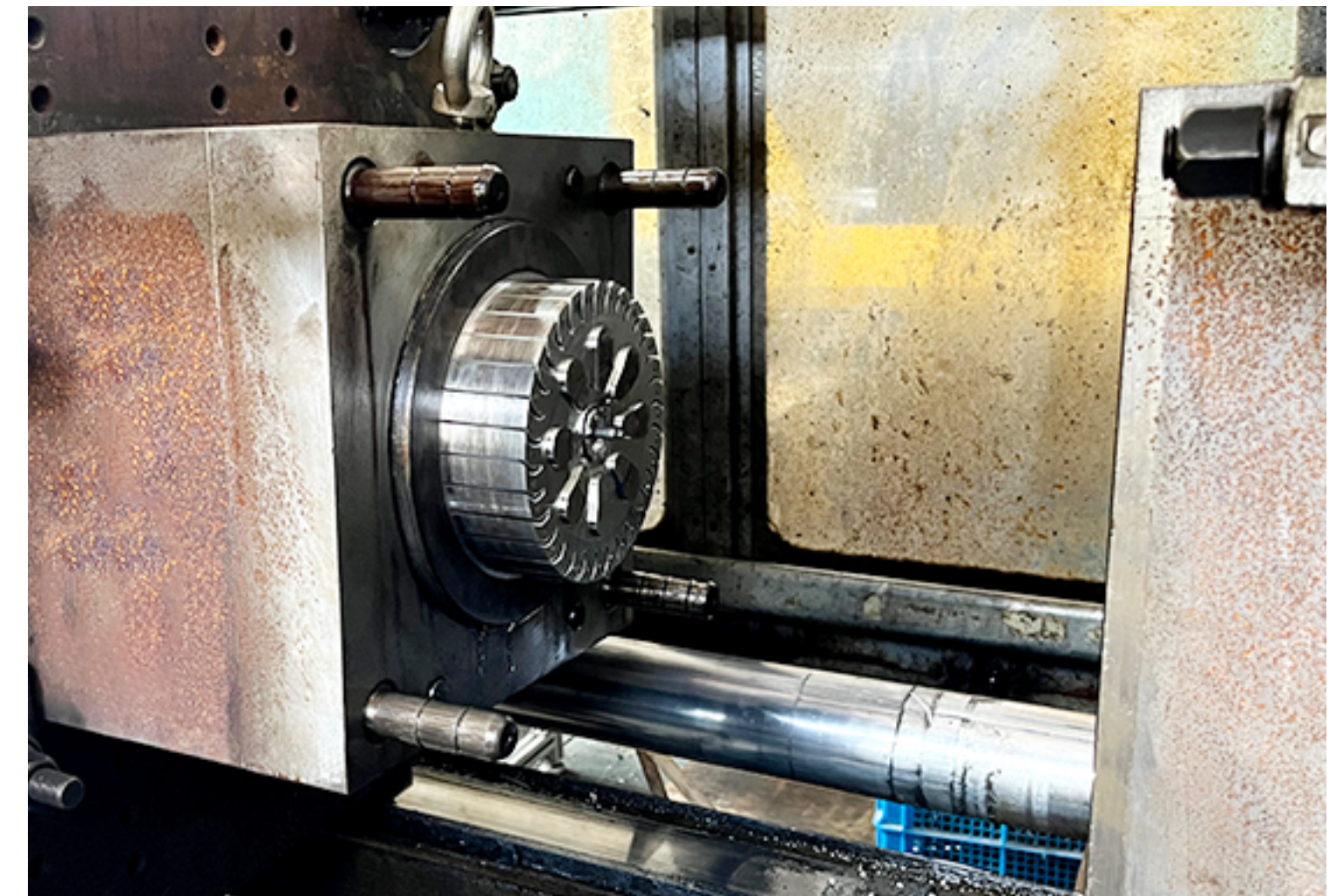
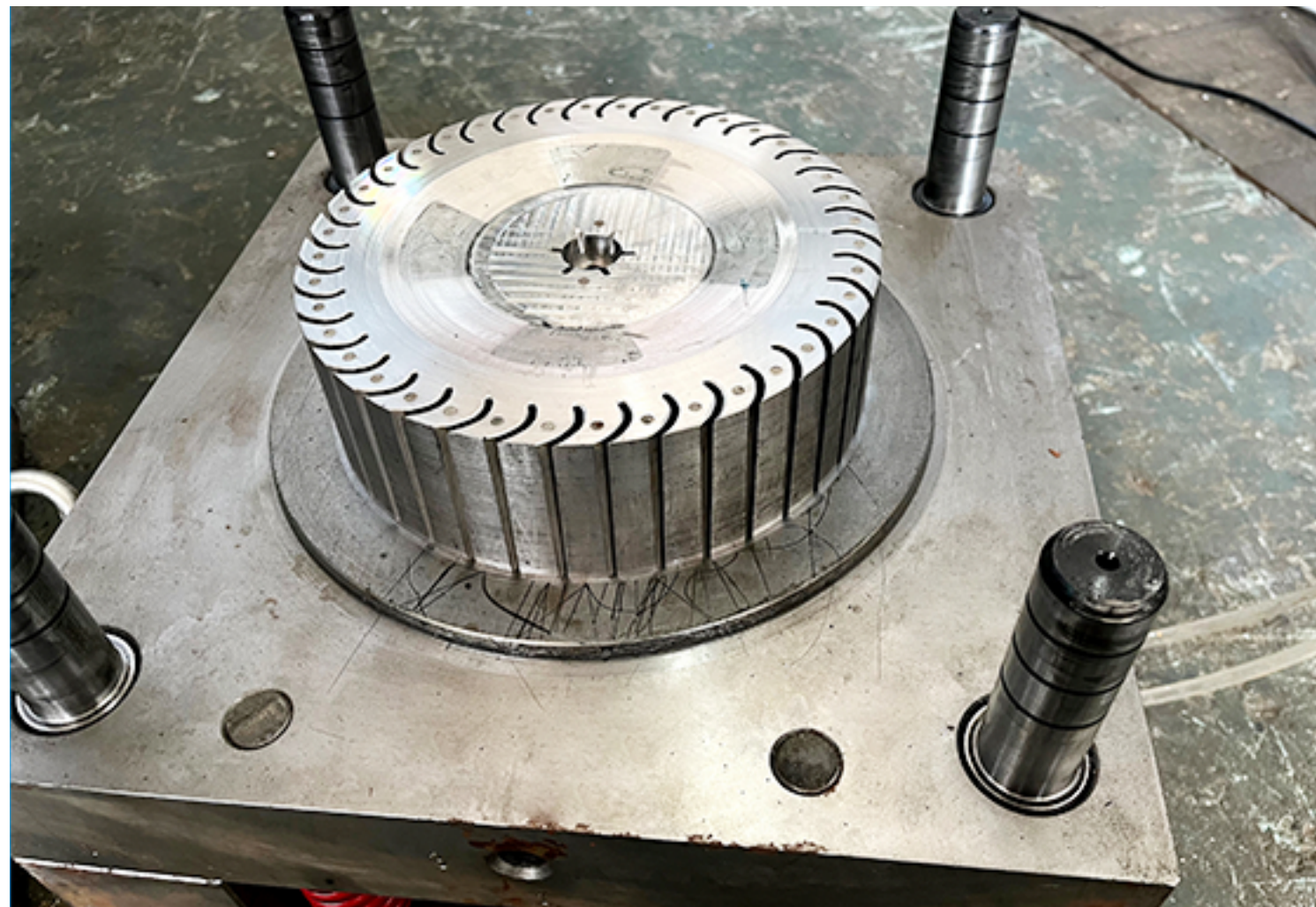
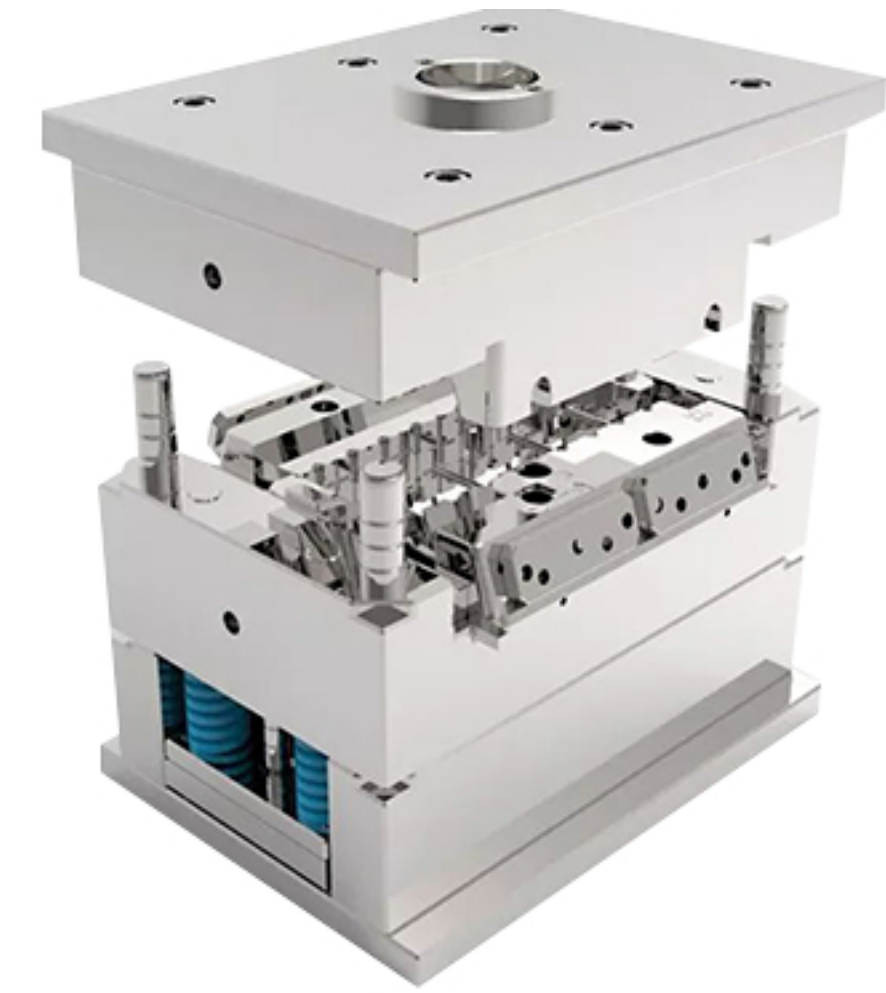
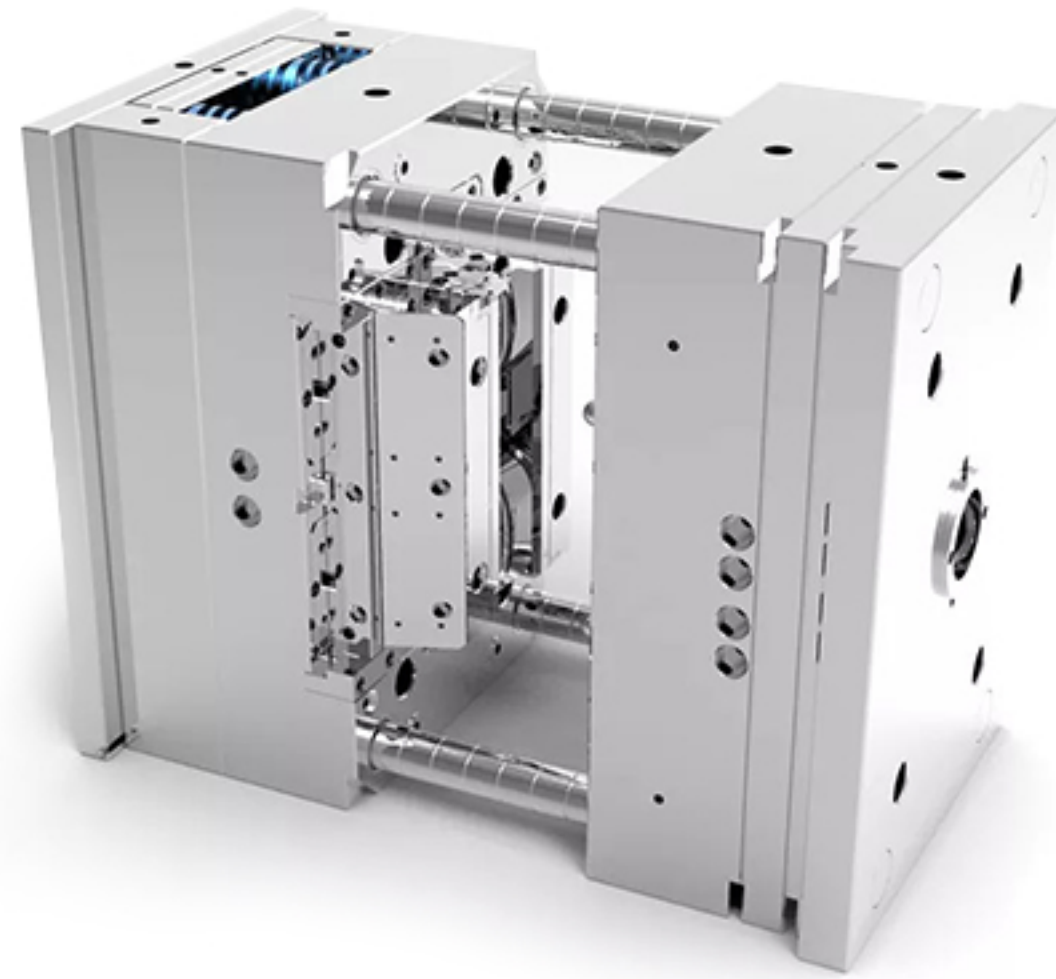


3D Scanner

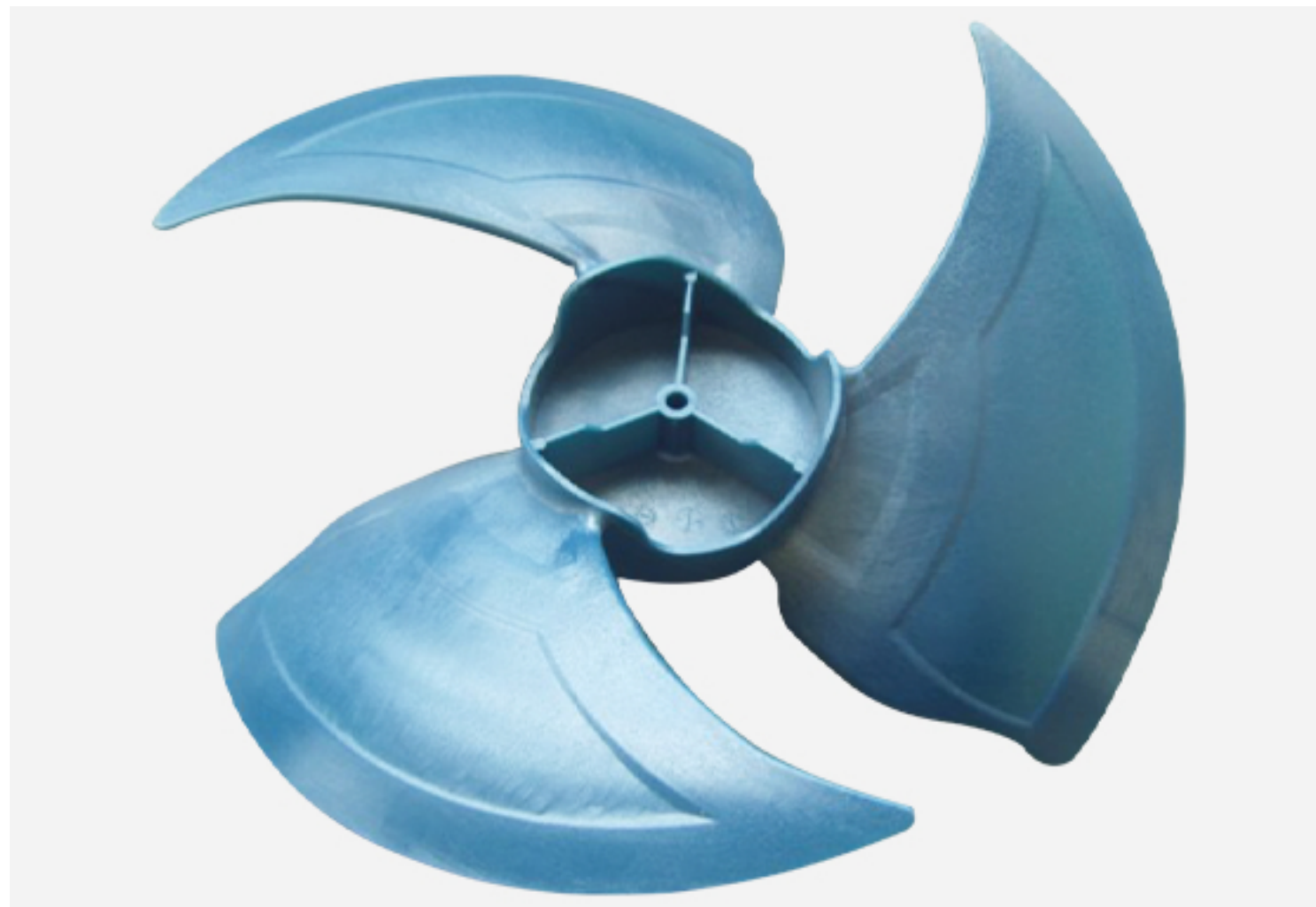
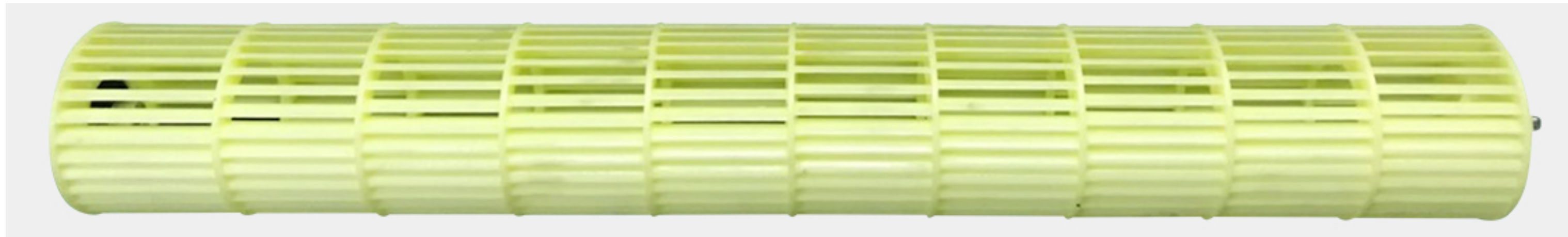
Mold Display



Mold Display



Injection Molded Product



Injection Molded Product

