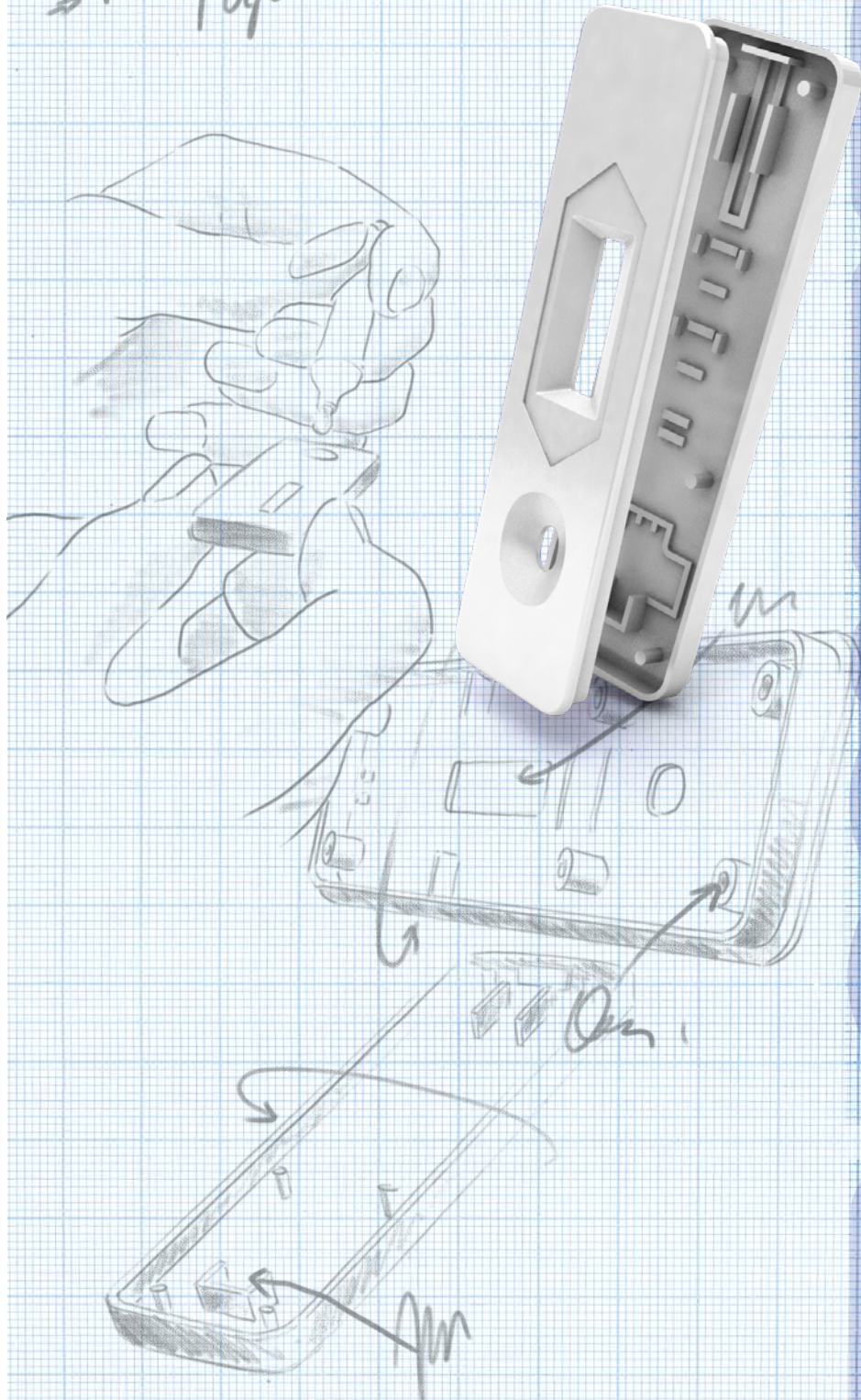


## 快速检测

«The rapid test»



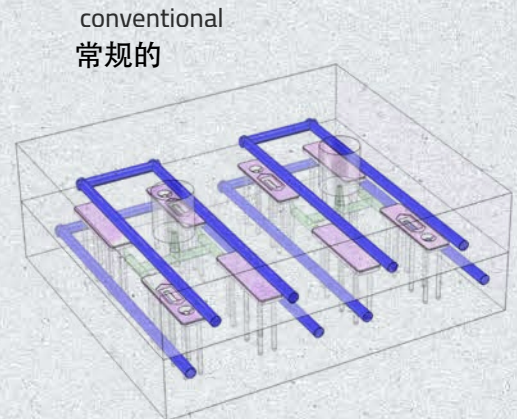
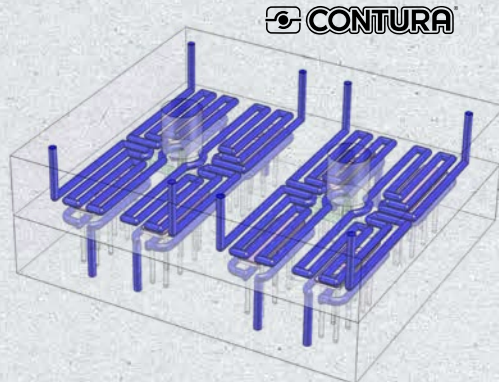
# CONCEPT

# CASE STUDY

**Simulations prior to production enabled the properties of the mould insert could be predicted exactly.**

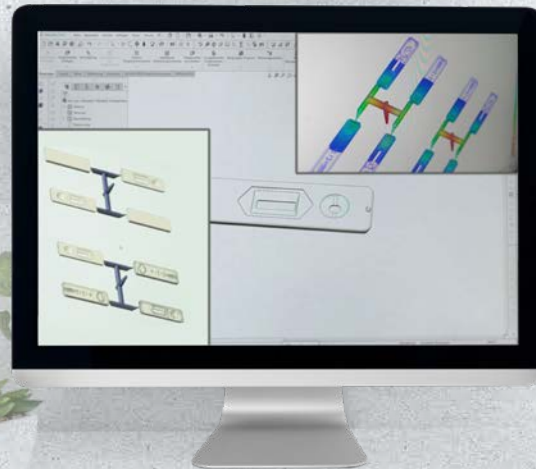
- Best possible design for quantity-orientated production

**模拟生产可以准确预测模具镶件的性能**  
- 量产模具的最佳设计



On the left-hand side you can see the significantly increased heat exchanger surface compared to conventional temperature control on the right-hand side.

在左侧，您可以看到与右侧的常规温度控制相比，热交换器表面显著增加



The simulations carried out before the mould insert is produced enable a well-founded assessment of the expected performance in the subsequent injection moulding process.

在生产模具镶件之前进行的模拟，能够对后续注射成型过程中的预期性能进行有根据的评估



By applying the special polymer-based CONTURA® coating to the tempering channels, downtimes are avoided. An extremely stable production process is achieved and intervals for cleaning are significantly increased.

通过应用特殊的康图拉聚合物涂层到回火通道，来避免停机。实现了极其稳定的生产过程，并且大大增加了清洗间隔。

# Medical technology 医疗应用技术

Combining variothermal process control with conformal cooling for exceptionally fast production.

The advantages of conformal cooling are:

- Reduction of cycle time by over 30%.
- Improvement of process stability.
- Reduction of correction loops.
- Ensuring molded part quality.

The advantages of variothermal process control include:

- Supports filling in thin wall sections.
- Particularly fast process.
- Produces tactically high-quality parts.

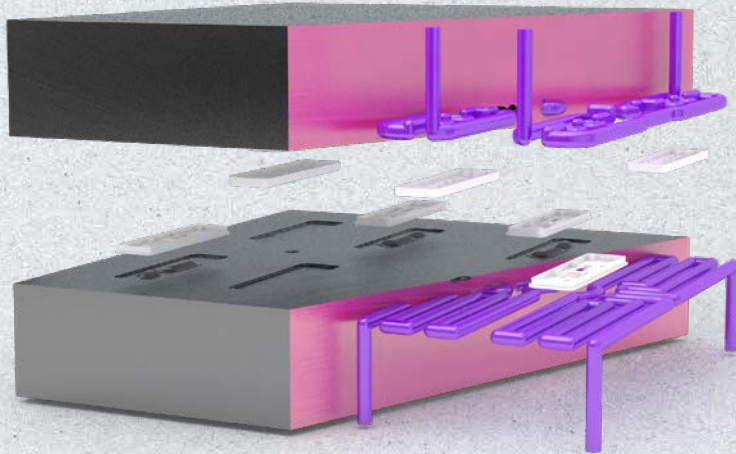
结合变温过程控制与随形冷却从而实现快速生产

随形冷却的优势包括:

- 成型周期缩短30%以上
- 工艺稳定性的提高
- 减少校正环路
- 确保成型件质量

变温过程控制的优势包括:

- 支持薄壁零件的填充
- 快速工艺
- 成功生产高品质产品



Thanks to CONTURA® technology, the multi-cavity mould is able to deliver a particularly high number of units with increased quality.

得益于康图拉技术  
一模多穴模具能够在保证高质量的同时增加生产数量

Benefits at a glance: 优势一目了然

**>30%**  
cycletime reduction

成型周期缩短30%以上

more  
**PARTS**  
in less time

更少时间, 更多产品

Increased  
**QUALITY**

质量提升

improved  
**PROCESS STABILITY**

提升工艺稳定性

Significantly  
**less waste**

显著减少浪费

optional performance  
**GUARANTEE**

产品视觉保证

Particularly long service life due to  
**CONTURA COATING**

通过康图拉涂层, 产品具有超长的使用寿命

Safety through  
**SIMULATION**

已通过安全生产模拟

reduced  
**CO<sub>2</sub>**  
footprint

减少二氧化碳排放

# CASE STUDY



大中华区经销商



苏州市默克尔液压系统有限公司

Suzhou Merkle Hydraulic System Co., Ltd.

苏州市工业园区唯新路50号益创科技园11幢2楼201室，邮编215122

Room 201, 2nd Floor, 11th Building, Yichuang Science Park,

#50 Weixin Road, SIP, Suzhou 215122, P.R. China

Phone: +86 512 6296 9386

Mobile: +86 150 1385 6625

Email: [info@ahpmerklechina.com](mailto:info@ahpmerklechina.com)

