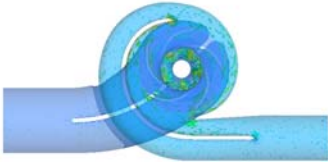


研发中心案例研究分享 R&D CASE STUDY BRIEFING

先进 CFD 仿真验证技术 Advanced CFD Simulation Verification Technology

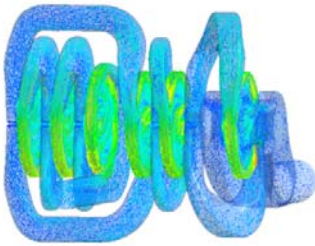
IPT 通过利用先进的 CFD 计算流体动力学，对各种泵内部流动进行数值模拟。结合水力试验验证，我们设计了满足客户的需求的高效可靠的产品。IPT can simulate the internal flow of various pumps by using advanced Computation Fluid Dynamics: CFD. Combined with hydraulic test verification, We design all kinds of efficient and reliable products to meet customer needs.



卧式双吸蜗壳泵
Double Suction pumps

客户需求 Voice of Customer

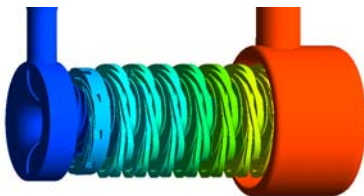
- 高效可靠 High efficiency and reliability
- 降低管路压力 Reduced pressure for piping
- 低振动、低噪音和长使用寿命 Low vibration, low noise, and long service life



卧式 BB3 多级泵
BB3 Volute Pumps

解决方案 Technology

- 使用 CFD 仿真技术 Using CFD analysis
- 多目标优化技术以满足各种性能要求 Multi-objective optimization to meet various performance requirements
- 通标化的水力设计 Standardized hydraulic design
- 多相流的模拟技术 CFD Technology of multiphase flow



卧式 BB5 多级泵
Horizontal BB5 Pumps

客户收益 Customer benefits

- 更紧凑的设计以降低泵的成本 More compact design to reduced cost of pumps
- 产品可靠性满足客户需求 Reliable product performance meeting customer needs
- 选用更小功率的电机 Using a lower power of drivers

适用的产品 Applicable products

全部产品 All Products