

研发中心案例研究分享 R&D CASE STUDY BRIEFING

● 材料基础技术研究和力学性能检测技术 Material Basic Technology Research and Mechanical Properties Testing Technology

IPT 具有先进的材料检验中心，配备专业的材料工程师和检验人员，可利用热处理设备和检测设备，制定满足客户工况需求的工艺和材料应用规范，同时为产品设计选材提供强大的技术支持。IPT has advanced material inspection center, equipped with professional material engineers and inspectors, can use heat treatment equipment and testing equipment to develop the process and material application specifications to meet the needs of customers, while providing strong technical support for product design and material selection.



拉伸检测设备
Tensile Testing Equipment

客户需求 Voice of Customer

- 合理选材 Reasonable selection of materials
- 低成本、高质量、长寿命 Low cost, high quality, long life

解决方案 Technology

- 基于材料成本和所需性能进行材料基础应用研究，制定适用于各种工况的材料应用配套指南（如：研究热处理工艺对材料试块性能的影响，获得满足应用需求的最优工艺）Conduct basic application research of materials based on material cost and required properties, and formulate supporting guidelines for material application under various working conditions (e.g., study the influence of heat treatment process on the properties of test blocks of materials, and obtain the optimal process to meet application requirements)
- 基于材料成本和所需性能进行材料失效分析研究，制定适用于特定工况的材料应用配套指南（如：研究泵轴断裂原因，优化特定工况选材）Conduct material failure analysis and research based on material cost and required properties, and formulate supporting guidelines for material application under specific working conditions (e.g., study the cause of pump shaft fracture, optimize material selection under specific working conditions)



冲击检测设备
Impact Testing Equipment



硬度检测设备
Hardness Testing Equipment

客户收益 Customer benefits

- 获得高可靠性产品 Obtain high reliability products
- 获得最佳选材确保产品长寿命 Obtain the best material selection to ensure long product life
- 高售后保障，可提供专业的材料失效分析服务 High after-sales guarantee, can provide professional material failure analysis services

适用的产品 Applicable products

全部产品 All Products

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