

## 内孔珩磨尺寸在线气动测量系统

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关键词: 内孔珩磨 气动测量 测量系统

摘要: 在分析内孔珩磨尺寸在线气动测量系统工作原理的基础上, 给出了内孔珩磨尺寸在线气动测量系统的总体方案及主要功能模块构成。详细设计了系统的核心模块——气动测量模块, 并进行了试验。试验分析结果表明该在线气动测量系统设计是可行的。 Based on the analysis of the working principle, the general project and main functional module were presented for in process pneumatic measurement system of inner hole honing dimension. The influence of main parameters in each sector to the gauge during differential pneumatic measurement was analyzed, and the key module——pneumatic measurement module was designed and tested. The result showed that the design of in process pneumatic measurement system is feasible. It could bring a new method for the research on in process pneumatic measurement system for inner hole honing dimension.

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