

Abstract

The present invention has an objective to provide a quality management system for a machining process that performs liquid management to secure and improve a machining performance (quality) of electrolytic water as a working liquid, a lubricating liquid for a machine tool, and an alkaline electrolytic water generation device for lubricating liquid generation. In the quality management system for a machining process of the present invention, in a machining process of a machine tool that uses a mixed liquid of a water-soluble lubricating stock liquid including alkaline electrolytic water and externally replenishable alkaline electrolytic water as a lubricating liquid, a quality of the lubricating liquid after mixing is monitored and managed by an electric conductivity.

Figure 1