

**Development of a System for Supporting the Lock Position Adjustment Work for
an Electric Point Machine**

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A lock monitoring system for the electric point machine is accumulating data of lock position. First, we have constructed a model of explaining current lock position. Next, we have proposed an algorithm for predicting lock position variation by making use of the weather data such as air temperature and humidity. Then we have investigated how to utilize these predicted lock position data. We have also proposed to provide supporting information for a work of the lock position adjustment. Furthermore, we have implemented visualization system for these predicted position data.