Diagnosis of Malfunction of Metal Press Machine by Artificial Inteligence

程育中、謝其源

E-mail: 9405648@mail.dyu.edu.tw

ABSTRACT

The purpose of this text lies in how to simplify the complicated information that the maintenance manual offers. Through classifying and rearranging the picking and fetching of expert's knowledge, the system is diagnosed in order to set up a set of expert types in the complicated tool machine ’ s maintenance procedure. Doing so procedure of maintaining is simplified and maintenance cost is reduced. Though RESULT has increased by 12% after rearranging the parameters, the trouble section has been pointed out more clearly. More importantly FACT has been reduced by 58% and the complexity has been reduced dramatically. The finished form can be transferred into the popular and widely accepted XML files. And the XML files can be extended to further development.

Keywords : diagnosis, artificial intelligence, maintenance, expert system

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