A STUDY OF DIE DESIGN KNOWLEDGE MANAGEMENT SYSTEM

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ABSTRACT

Along with the prosperous advances of Information Technology at knowledge economy age, the knowledge management become the key factor in improving the design effort and business competition. Its main concern is about the acquisition, accumulation, sharing, of knowledge. Especially it becomes the important lesson in traditional mold industries, establish that the knowledge management system can application in the mold develop, designer can be record knowledge to the storage and updates, then at share to the other designers of need these knowledge, however will not affect the experience continue and further make design the knowledge enlargement grow up, develop whole team the effect and promote the team efficiency. In this research, the work team in this Computer Aided Design laboratory was chosen as the virtual design team, and related design data or document developed during design process for press die are categorized and used for the construction in this knowledge management system. The system is set up under the environment from the Lotus Domino system, and models based on die design process and use the Object-Orient method (Unified Modeling Language) do the system. Finally, the established knowledge management system is demonstrated accompanied with the design process of compound die for its function such as the man-machine interface, accessibility and flexibility in operation.

Keywords : knowledge management ; die design ; UML

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