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Title: Using knowledge-based management technology for an integrated mold-design process

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Abstract: Efficiency and quality are essential demands in mold design/making and molding industry. This snidy utilizes the knowledge-based concept and database driven platform combined with 3D drawing software to develop an integrated mold-design/making and molding system. Compared with standard 3D drawing-design process and knowledge management technology reduce the design lead time, possible mistakes in 3D mold building. The platform includes concepflial mold-design, core and cavity design, 3D drawing and the databases of standard building mold process and quick modifying in mold design change, etc. It leads to the reduction of mold design cycle for cellular phone housing from 7 days to 3 days.

Main heading: [Molds](#)

Controlled terms: [Cellular telephone systems](#) - [Design](#) - [Elastomers](#) - [Knowledge based systems](#) - [Knowledge management](#) - [Molding](#) - [Plastic products](#) - [Plasticity](#) - [Three dimensional](#)

Uncontrolled terms: [3D drawings](#) - [Cavity design](#) - [Cellular Phone](#) - [Collaborative design](#) - [Design process](#) - [Knowledge management technology](#) - [Knowledge-based management](#) - [Leadtime](#) - [Mold designs](#) - [Molding system](#)

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