毕业论文题目：管件注塑模具设计

摘　要

塑料工业是世界上发展最快的工业之一。注射模在我国是快速发展的，因此，对注射模的检测对于了解塑料制品的生产工艺，提高产品质量具有重要意义。详细介绍了模具结构、注塑系统、冷却系统、注塑机的选择及相关参数的论证。

型腔和型芯是一体嵌入的，易于加工。针对塑料件侧通孔的特点，设计了斜导柱抽芯机构。塑料件尺寸小，使用一模两腔经济实用。

关键词：侧抽芯结构；浇注系统；型腔和型芯；注塑模具；注塑

ABSTRACT

Plastic industry is one of the fastest growing industries in the world . Injection mould is a rapid development in China. The technological properties of plastic parts are introduced. The injection system, the structure of the moulding parts, the injection system, the cooling system, the selection of the injection machine and the detection of the related parameters are designed in detail. The cavity and core are integrated and easy to process. Aiming at the characteristics of side through holes of plastic parts, the core pulling mechanism of inclined guide pillar was designed. The size of plastic parts is small, and the use of one mold and two cavities is economical and practical.

Key words： Side core pulling structure；Gating system；Cavity and core；Injection mold；Injection