

## C215725 : MAJOR INDUSTRIAL ENGINEERING

KEY WORD : MANAGEMENT INFORMATION SYSTEM / MANUFACTURING COST CONTROL /  
JEWELRY INDUSTRY

CHANPEN ANURATANANON : MANAGEMENT INFORMATION SYSTEM FOR  
MANUFACTURING COST CONTROL OF JEWELRY INDUSTRY..THESIS ADVISOR :

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ISBN 974 - 579 - 996 - 3

The main purposes of Management Information System for Manufacturing Cost Control of Jewelry Industry are (1) to collect the basic essential data in the production system used for improving production management system , (2) to estimate the manufacturing costs of jewelry - bodies made of three types of casting materials (gold , silver and brass) , and (3) to develop the present Management Information System relating to manufacturing system. To achieve the second purpose , the various designs of jewelry are grouped according to the appropriate classification criteria and the manufacturing cost pattern of jewelry industry is investigated and analyzed. To reach the first and third purposes , new essential documents and reports are designated and improved.

In this thesis , a casting jewelry plant producing medium - quality products for export is studied. Its documentation system was inefficient for controlling the production management. This resulted from its incomplete system , inadequate essential data and insufficient reports. It caused management to make poor decision. System developed in this thesis will help management plan better and control manufacturing costs more effectively.