

C315618 : MAJOR ELECTRICAL ENGINEERING
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SIRISET NICHAKUM : DEVELOPMENT OF A SOFTWARE FOR MEASURING FLAT METAL SHEET. THESIS ADVISOR : ASSOC. PROF. KRISADA VISAVATEERANON, 73 pp.
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This thesis describes a design and development of software for measurement of flat metal sheet to determine the error of punching and cutting of metal sheet. The procedure starts with the creation of tools and rules for shop drawing. The software includes the interfacing to the flat metal sheet scanner for image data reading. The data is analyzed and processed to determine the error of the sheet punching and cutting. AutoCAD is the core software and applications are developed by using AutoLISP and C language. This software package shortens the time for inspection of flat metal sheet and provides data for work improvement, this will improve quality of metal sheet works.