

C416097 : MAJOR INDUSTRIAL ENGINEERING

KEY WORD: DAILY PRODUCTION PLANNING / MANUFACTURING AND ENGINEERING DATA BASE
PONGTIWA PONGPANICH : DAILY PRODUCTION PLANNING FOR SHEET METAL
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This research proposes daily production planning for sheet metal fabrication in air - conditioner manufacturing. It should be used as a guide line for efficient utilization of manufacturing resources. Shop floor control (SFC) on a personal computer is applied to this system.

Daily production planning is supported by manufacturing and engineering data base which consists of item master file, work center file, routing file and work order file. The regulations on production planning come from backward scheduling of work order using standard queue times of work center or manufacturing lead time.

This system will help reducing shop floor leaders' production planning and it will improve expediting and controlling the production. It will be accurate production planning sheet metal fabrication of work center and will meet requirement of master production schedule under the limitations of production control. Besides, based on this system it is available to make a report which is useful for production control and operation management.