

The objective of this research is to develop computer software for a production database system on a microcomputer. The program was written by using Dbase III Plus. The objective of this program is to allow the user to manage the production database system which consists of 5 majors files : part master file or inventory file, product structure file , routing file, work center file and tool file. The user can create , edit , add, delete and print data in the file of a production database system by using this program. From this research, the record in each file will consist of 72 , 9 , 21 , 19 and 12 fields of information, respective. The production database can be applied in the area of production planning and control systems such as bill of materials processing , forecasting , order processing, master production scheduling , material requirement planning, capacity planning system, order release and production scheduling, work-in-process control systems and inventory control system,etc. In an integrated production control system the part master file is one of the largest files , containing a vast amount of information and it is very dynamic when used for inventory control applicationswhereas the other four files contain relatively stable data. In addition it is usually necessary to store information which linksrecords in a file to relevant records in the other file.

The benefit of this research will be the fundamentals of development of a computer-based production system.