

ABSTRACT

In the current era, industry is required to produce good products and have added value in the form of efficient, effective, and can be assembled themselves (buildable). In making a product plan in the manufacture of the resulting product should be considered so that the above criteria can be achieved or met. Early recognition of the machine can assist in the process of product development to achieve the required criteria of efficient, effective, and buildable. An example is the NC-based machine (Numerical Control). Computer Numerically Controlled is a machine tool that has automatic motion and is controlled by numerical language and controlled by computer system. It also has three main axes: x, y and z axis.

In the assembly process it can be seen that the time in the incorporation is very influential, if the design of the product is less precise can lead to inefficient design, thereby reducing the reliability of the product and will increase the cost of the assembly process. Using the DFA (Design For Assembly) method is a design technique necessary to provide ease of consideration in designing a design product. After completion of research by using method of DFA (Design For Assembly) obtained the original results consisted of 145 components to 87 components, as well as the initial assembly time for 2838 seconds to 1790 seconds. Thus, it is found that the design design of CNC Router table is efficient and effective

Keyword : Detail Design, Design For Assembly