

조립생산성 향상을 위한 조립순서 평가

목 학 수, 박 주 령
부산대학교 산업공학과

Assembly Sequences Evaluation for Assembly Productivity

Hak.Soo Mok, Joo Hyoung Pak
Department of Industrial Engineering, Pusan National University

Abstract

The research of assembly evaluation which generates feasible assembly sequences has been studied. As the number of part increases, however, the number of feasible assembly sequences is very fast increased. Thus, in this article, the determination factors for assembly productivity were considered as following : the assembly function is composed of assembly stability, accessibility and insertability, the assembly time is made up of handling time, insertion time and fastening time and the product complexity is composed of the number of subassembly and the number of workpiece carrier changes. We estimated feasible assembly sequences for each determination factor and also consider three determination factors simultaneously, to find the favorably assembly sequences in feasible assembly sequence with giving weights of contribution to the for assembly productivity.