ABSTRACT

CON-CURRENT CONTROL ROBOTIC SYSTEM

A Con-Current Control Robotic System includes 2 gantry systems (14, 14') and 1 slider (17), each being independently controlled to allow concurrent execution of tasks. Products will be secured on a jig (19) that is mounted on a slider (17). The slider (17) will then shift the jig (19) into the working area of the gantries (14, 14'). The gantries (14, 14') and the slider (17) motion are coordinated to perform the desired tasks concurrently. This system is a combination of robotic design, servo motor technology, and software control. It is designed for a wide range of applications with its multi functionality and flexibility.

FIG 1