AN APPARATUS AND PROCESS FOR MANUFACTURING A MEDICAL SAFETY DEVICE

ABSTRACT

The present invention provides a novel and efficient manufacturing system for assembling multi-component devices such as a retractable needle syringe. The manufacturing system comprises a plurality of assembly modules. The assembly modules comprises at least two platforms, one fixed; the second capable of rotation about an axis. A variety of peripheral tools and devices are mounted on the fixed platform. While the second platform is mounted predominantly with jigs for holding the components. The peripheral tools and devices are actuated synchronously by a central gear cam mechanical linkage. While the second platform is rotated by a rotary indexing system, ensuring that the components held in the jigs are always aligned with the peripheral tools and devices of the first platform.

Fig. 2 accompanies the Abstract.