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Abstract

Multi-Package Conversion Kit for a Pick and Place Handler

A method is provided for package-to-package conversion of a pick and place handler. An input arm assembly is provided with interchangeable vacuum leads. An input/output shuttle plate is provided comprising a block and base plate. The block has a plurality of pocket groupings and a two or more alignment hole groupings. The base plate has two or more alignment pins. Package-to-package conversion is achieved by changing alignment hole groupings on the alignment pins, thereby selecting the pocket corresponding to the alignment hole used. A soak plate is provided having an array of pocket groupings, wherein each pocket grouping has the same pattern of different size/shape pockets to accommodate different packages. Package-to-package conversion is accomplished by programming an offset to the desired pocket in each pocket grouping. A test arm assembly is provided with interchangeable vacuum leads and interchangeable nest pieces. (Fig. 5)