

Justifying a Dispensing Robot

The assembly industry is vast in its scope and incorporates many independent disciplines for device manufacture. A primary segment of the assembly process that is naturally designated for automation is dispensing. Dispensing beads or dots of any kind of fluid is impossible to control manually and if it isn't automated, the assembly process will invariably be compromised, causing rejects, rework, and the inevitable product degradation. Previously, the justification to automate a dispense application was made difficult by the high capital cost of automation. This is no longer the case and it is more difficult to justify not automating than to automate.

The role of the bench robot has now been realized and any company still using a manually operated dispensing and assembly system will change its procedure if their current process is properly investigated.

Automating the dispensing part of the process ranks highly in eliminating the possible causes of product degradation and failure. Most products have a dispensing element to the process and in all but the most unusual assembly process, this part of the manufacture cycle should be automated.

Information: www.ijfisnar.com

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