



## Innentitel und -story – Aufmacher für ein spezielles Thema!

### Aufmacherbeitrag:

» PCB & ASSEMBLY

#### Fluid dispensing robot systems

### Coming into sight: the role of vision in robotic fluid dispensing

Key to streamlining robotic fluid dispensing, vision-guided systems allow precise deposit placement, permitting robotic systems to deliver faster production cycles and reduce the guesswork from the dispensing process, minimizing programming time and reducing overall operational costs.

» Konradin's Vision, Product Line Specialist Automation November 1999

When creating robots that must be able to deliver precise deposits of fluid, such as adhesives and solder, to assembly lines, it is essential to have a vision-guided system. This is because the robot must be able to see the location of the deposit point on the substrate. The precision of the deposit is directly related to the accuracy of the vision system.

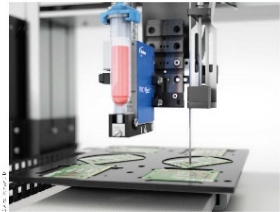
#### Robotic fluid dispensing

Robotic fluid dispensing is a process that uses a robot to apply a liquid material to a substrate. This process is used in a variety of applications, including the assembly of electronic components.

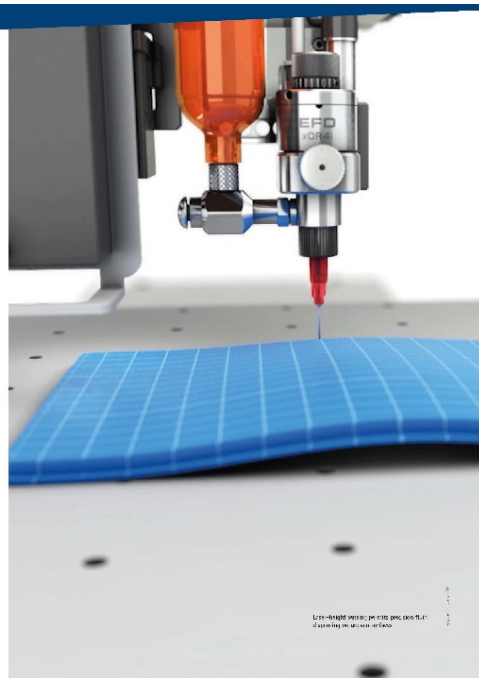
#### Vision-guided dispensing

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#### Point-to-point teach method

The most frequent form of dispensing is the point-to-point method. This involves teaching the robot the location of the deposit point on the substrate. The robot then moves to this location and dispenses the liquid.

#### Simple Vision and CCD-Equipped Vision

When we talk about vision systems for robotic fluid dispensing, there are two main types: simple vision and CCD-equipped vision.

**Zusammenfassung**

Die Vision- und CCD-geführten Systeme sind die besten Wahl für die automatische Fluid-Dispensierung. Sie ermöglichen eine präzise Platzierung des Fluids auf dem Substrat und reduzieren die Programmierzeit und die Kosten.

**Résumé**

Les systèmes à vision guidée et à caméra CCD sont les meilleurs choix pour la dispensation automatisée de fluide. Ils permettent une précision accrue de placement du fluide sur le substrat et réduisent les temps de programmation et les coûts.

**Резюме**

Системы с управлением по изображению и с камерой CCD являются лучшим выбором для автоматической подачи жидкости на подложку. Они обеспечивают высокую точность размещения жидкости и сокращают время программирования и затраты.

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## 1Q2 Kunde

**Datenanlieferung:** 4 Wochen vor Erscheinungstermin.  
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