

Guidelines for Inside Cover and Lead Article 2024 (valid as of October 01, 2023, in €, plus VAT)

Inside Cover and Lead Article

– Exclusive positions for a special topic!

Inside Cover package is including:

- » Picture on Inside Cover
- » Cover picture on 1st page with the dimensions 144 x 140.7 mm (WxH)
- » 2 pages of article directly following the “cover picture” (6,000 - 6,500 characters + 2 to 3 images in jpg format)
- » Exclusive position – only one (1) inside front cover per issue

Lead Article package is including:

- » 3-3.5 pages article, 1 picture DIN A4 (210 x 297 mm (WxH)) left or right,
- » Article must fit to an issue's topic according to the Media Kit 2023
- » DIN A4 image* - 210 x 297 mm (WxH)
- » Picture on first or second page (see example)
- » Exclusive position - only one (1) Lead Article per issue

Rate card:

EPP: € 3.600,- plus VAT

EPP Europe: € 3.700,- plus VAT

Agency commissionable. No Discounts.

Cancellation:

In case of cancellation, we charge a cancellation fee depending on the date of the cancellation compared to the advertising deadline of the issue in question:

Up to 4 months before closing date:

free of charge

Less than 4 months before closing date: 30% of the regular front cover rate

Less than 2 months before closing date: 50%

Less than 1 months before closing date: 100%

Inside Cover (Example):



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Lead Article (Example):

» 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 Trade, Product & Sales Specialist in Automation, Robotics



Fluid dispensing robot systems

There are many factors that must be taken into account when selecting a robotic fluid dispensing system. From the size of the dispensing head to the accuracy of the dispensing process, there are many factors to consider. In addition, the system must be able to handle the specific requirements of the application, such as the type of material being dispensed and the precision required.

Robotic fluid dispensing

Robotic fluid dispensing systems are used to dispense materials with high precision and accuracy. They are commonly used in the manufacturing of printed circuit boards (PCBs) and other electronic components. The systems consist of a robotic arm that holds a dispensing head, which is used to deposit the material onto the substrate. The system is controlled by a computer program that allows for precise control of the dispensing process.

Vision-guided dispensing

Vision-guided dispensing systems use cameras to monitor the dispensing process and ensure that the material is deposited accurately. This allows for faster production cycles and reduces the risk of errors. The system is able to detect any deviations from the intended path and adjust the dispensing head accordingly. This ensures that the material is deposited exactly where it is needed.

» PCB & ASSEMBLY

gaining time and reducing overall operational costs.

Point-to-point teach method

This method involves the operator manually moving the dispensing head to the desired location and recording the coordinates. This process is repeated for each point to be dispensed. While this method is simple, it is time-consuming and prone to errors.

Simple Vision and CCD-Equipped Vision

Simple vision systems use cameras to monitor the dispensing process and detect any deviations from the intended path. CCD-equipped vision systems use charge-coupled device (CCD) cameras to provide high-resolution images of the dispensing head and the substrate. This allows for more precise control of the dispensing process.

Zusammenfassung

Die Vision-gestützte Flüssigmaterial-Dispensierung ermöglicht eine präzise und schnelle Materialabgabe auf Leiterplatten. Durch die Verwendung von Kameras und CCD-Sensoren können Abweichungen von der geplanten Position sofort erkannt und korrigiert werden. Dies führt zu einer Steigerung der Durchlaufzeit und einer Reduzierung der Ausschussrate.

Résumé

La technologie de dépôt de fluide guidée par vision permet une précision accrue et des cycles de production plus rapides. Grâce à l'utilisation de caméras et de capteurs CCD, les écarts de position sont détectés et corrigés en temps réel, améliorant ainsi l'efficacité et réduisant les déchets.

РЕЗЮМЕ

Висновки: Використання систем керування процесом нанесення рідин, оснащених камерами та датчиками CCD, дозволяє підвищити точність та скоротити цикл виробництва. Це досягається за рахунок оперативного виявлення та корекції відхилень від заданої позиції.



10Q Kunde

EPP Europe 11 X 2023 5

Data delivery: 7 weeks prior to publication date.

* IMPORTANT: Please do not supply stock photos unless with written confirmation of the right to sublicense.

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