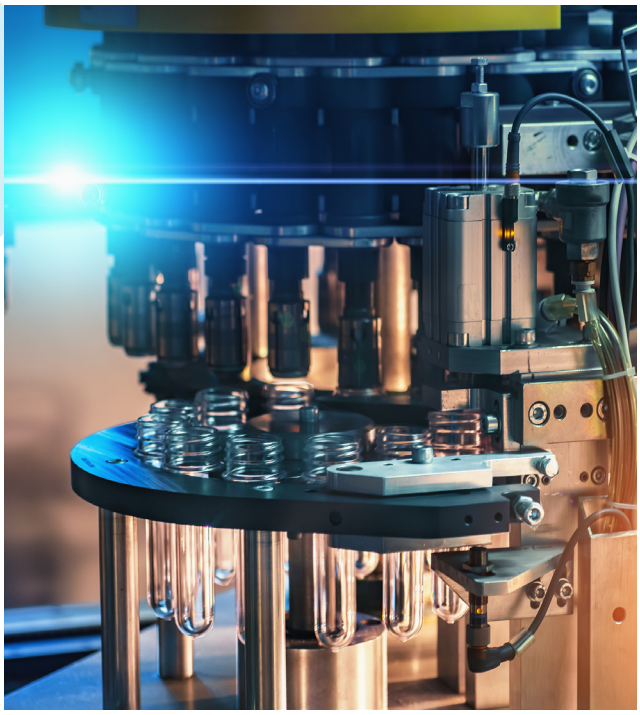
PACIFIC AUTOMATION

Case Study
INDUSTRIAL AUTOMATION



CASE SUMMARY

INDUSTRY
Food Processing

APPLICATION
Bottling plants in the food processing industry

PRODUCT SUPPLIED BY
Kubler

PRODUCTS
Kubler Slip Rings:

- SR085 Slip Rings
- Customised Performance Line Slip Rings

Improving Efficiency in Bottling Plants with Kubler Slip Rings

OVERVIEW

Precision, hygiene, and reliability are paramount in food processing, particularly in bottling plants. As a channel partner of industrial automation solutions in Australia, Pacific Automation is proud to offer Kubler Slip Rings, which play a critical role in optimising the performance of modern bottling plants.

Bottling plants operate with various complex processes requiring seamless power, data, and even fluid transmission. Most of these processes are carried out on rotating platforms, where high-speed communication and reliable data transmission are essential for the plant's success. Slip rings ensure that power, data, and signals are transmitted effectively to the rotating elements without interruptions.

KEY PROCESSES

Bottling plants rely on the integration of slip rings for several critical steps:

- **Stretch Blow Moulding:** Kubler Slip rings ensure continuous power and data flow for efficient PET bottle production.
- **Rising and Inspection:** They provide reliable transmission for precise hygienic bottle checks.
- **Filling:** Slip rings support accurate, consistent filling with minimal waste.
- **Capping and Labelling:** They deliver power and control for fast, reliable capping and labelling.

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THE SOLUTION

Kubler's slip rings offer a tailored solution for bottling plants, addressing the various needs of each process. Offering both standard and custom designs, Kubler provide flexibility, durability, and exceptional performance in every slip ring. Some of the standout features include:

- **Interference-Free Signal Transmission:**
  Essential for ensuring data integrity in high-speed networks, Kubler slip rings support Ethernet data communication, which is crucial for synchronised plant operations.
- **Media Lead-Through:**
  Depending on the application's specific needs, slip rings can transmit compressed air or liquids to rotating platforms, streamlining the plant's operational flow.
- **Modular Design:**
  Kubler slip rings' flexibility allows for custom configurations based on the number of transmission channels needed, making them adaptable to various bottling plant setups.

THE BENEFITS

Kubler slip rings are designed with the demands of bottling plants in mind. Their robust designs ensure they operate efficiently in even the harshest environments and require minimal maintenance with lifetime values that far exceed the market standard. This Kubler reliability reduces downtime and ensures bottling plants can operate at high capacity.

Incorporating Kubler slip rings into bottling plant operations improves the precision and speed of the plant's processes. For bottling plants seeking a reliable solution for their data and power transmission needs, Kubler slip rings are the optimal choice, ensuring uninterrupted performance across various stages of production.

CONCLUSION

As Australia's trusted channel partner of Kubler products, Pacific Automation is committed to providing cutting-edge solutions for bottling plants. Kubler slip rings help bottling plants operate more smoothly, reducing downtime, improving precision, and ensuring efficient operations from blow moulding to labelling. Bottling plants can achieve greater productivity and operational success by integrating these solutions.

For more information on how Kubler products can benefit your bottling plant, simply call us on +61 1300 881 876 or send us an email at sales@pacificautomation.com.au

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TO BROWSE OUR WEBSITE

https://pacauto.link/kubler

This case study is adapted from applications provided by our trusted manufacturing partners. It is shared for informational purposes only to demonstrate how these solutions have been applied in real-world settings. Company names and identifying details have been omitted to maintain confidentiality. Pacific Automation does not guarantee identical results and recommends assessing suitability for individual projects.

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