



Case study

7 axis cobot for securing cutting edge gluing

Pushing automation of the production process of LED luminaires and implementing a cobot from Kassow Robots for adding glue and sealant helped AP to improve both output and quality.

7-axis cobot: KR1205 **Company:** AP (Netherlands) **Sector:** Electrical Industry

Additional tools: Custom-made glue dispenser from Dopag

kassow robots

strong · fast · simple

Project initiated by our partner:

ESPS BV, NL

(in cooperation with Dopag Benelux)

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KR1205 in action: 8 steps towards better output and quality in gluing and sealant

- 1 Initial programming and integration done by Dopag and ESPS.
- 2 The operator logs in to the tablet by using a PIN code, activating the Kassow app / program.
- 3 The operator presses play. The KR1205 is now ready for work.
- 4 The operator places a certain profile on the custom-made work table using prefixed positions for each profile.
- 5 The operator presses the matching push button on the push button station.
- 6 Glue / sealant is being applied on the LED profile by the cobot.
- 7 When finished, the cobot KR1205 returns to its initial position.
- 8 The operator takes the profile and places a glass plate onto it.



3 answers from the project manager at AP

Which area of your business is using the cobot?

Here at AP, we have been manufacturing LED luminaires for years – with a team of very specialised colleagues who manually applied the glue and sealant.

ESPS, a Kassow Robots sales partner, and Dopag, a world-class player in dispensing technology, showed us an intelligent automation solution that combines a cobot from Kassow Robots with a custom-made glue dispenser from Dopag.

Why 7-axis cobots from Kassow Robots?

Because we learned that these 7-axis cobots make the difference! In adhesive applications, these cobots are able to follow an exact path, maintaining their accuracy during every movement. The cobots from Kassow Robots have lived up to our high expectations.

What sort of feedback have you gotten from your team?

Very positive! Our colleagues enjoy working on new orders even more than they used to – because they are no longer responsible for any incorrectly applied traces. They are happy to take on new tasks.

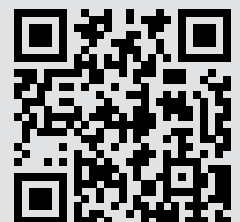
www.kassowrobots.com

Kassow Robots – founded in Copenhagen / Denmark – is developing and manufacturing unique and efficient 7-axes light-weight robots for industrial applications. The company's motto is "strong, fast, simple". Its products offer speed and power, yet also have a long reach. The robots' user-friendliness provides businesses with greater flexibility, allowing SMEs without their own robotics specialists to achieve complex automation and programming cost-effectively and independently. What is more, the cobots are compact enough for use in confined spaces.

Product portfolio (Status: June 2020):

KR810 (reach of 0.85m / payload of 10kg), KR1205 (1.20m / 5kg), KR1410 (1.40m / 10kg), KR1805 (1.80m / 5kg).

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7 Axes • Collaborative • Strong • Fast • Simple • Flexible • Danish