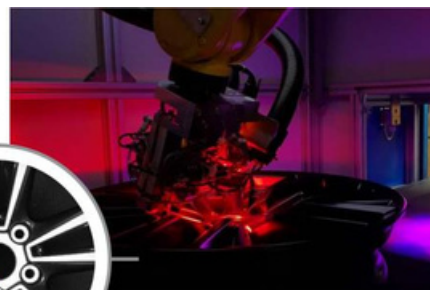**Application name:** Applying stickers to aluminum wheels
Market segment: Automotive industry
Year of implementation: 2019

Application introduction:

A complex camera system working with a precise 6-axis robotic arm.
The application is designed for sticking stickers on a predetermined location on a car wheel.

Application description:

The machine uses the flexibility of a 6-axis robotic arm, the advantages of a comprehensive camera system with a suitable type of industrial lighting and sophisticated control software. All these elements in cooperation with each other ensure the required functions of this machine. The machine has intuitive control, flexible settings and can be used for all types of aluminum discs produced. The stickers are glued with an accuracy of up to 0.5 mm. Thanks to the powerful hardware and optimized software, the entire cycle takes less than 6 seconds, which significantly speeds up production. To date, more than 350,000 wheels have been successfully glued.

Products and technologies used:

Machine vision system:

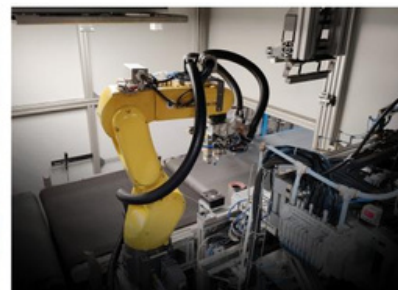- 4 industrial cameras
- 7 industrial lights

Robotic arm:

- Precise 6-axis robotic arm

Evaluation system:

- Industrial PC
- Touch monitor

AUTOMATION DIVISION

Customer benefits:

- Increase productivity
- 100% quality guarantee
- Reduce production costs

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