

# DATA :: SPREE

## RA Ecosystem Partner Solution

### Data Spree AI Rubber Mat Check



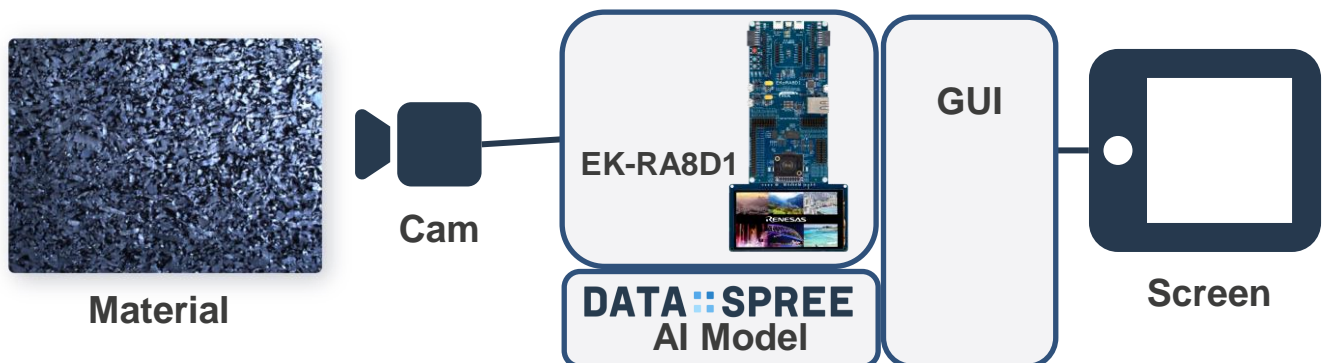
#### Solution Summary

Data Spree AI Rubber Material Check is an advanced AI-powered solution for precise, automatic classification of rubber surfaces using optical analysis. Implemented on [EK-RA8D1](#) board, it enhances efficiency, real-time quality control, and production speed. Embedded AI enables seamless on-device operation, while Edge AI processes complex tasks locally—eliminating the need for cloud connectivity.

#### Features/Benefits

- High-speed image capture and processing from the Renesas camera expansion board with a CMOS image sensor.
- Automatic classification of complex surface structures using Data Spree AI software
- Real-time visualization with a user interface displaying the live camera feed, classification results, and confidence chart

#### Diagrams/Graphics



#### Target Markets and Applications

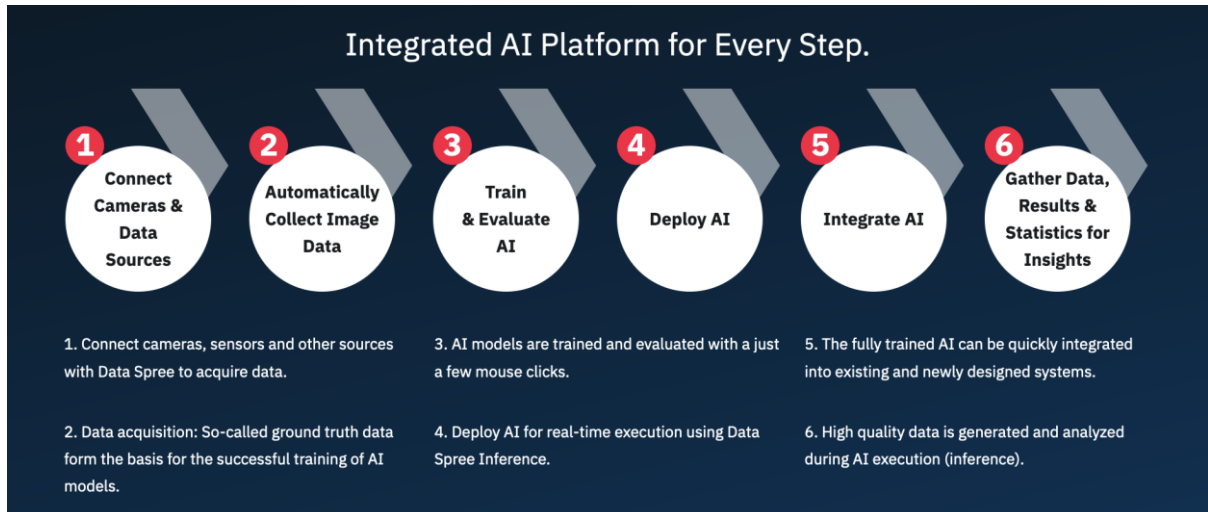
- Process automation
- Product classification
- Automated quality control system
- Logistics
- Damage identification

[www.data-spree.com/products/embedded-ai](http://www.data-spree.com/products/embedded-ai)

From data to solutions

## Embedded AI Systems

Data Spree is a leading company in the field of artificial intelligence, specializing in advanced AI Vision solutions for industrial applications. Particularly impressive are Data Spree's optimized AI models, specifically designed for embedded applications. These models run efficiently on resource-constrained systems while still providing exceptional accuracy and speed.



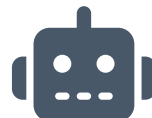
Data Spree's proprietary **AI software platform** enables the development of custom solutions that can be seamlessly integrated into production facilities, logistics centers, and other industrial environments. The focus is not just on process automation, but on significantly improving efficiency, quality, and speed. Whether it's classifying surface structures or detecting anomalies, Data Spree offers robust, scalable, and easy-to-integrate AI solutions that operate in real-time and reliably enhance performance.



Automotive /  
Smart Vehicle



Automation /  
Industry 4.0



Robotics /  
Interactive Systems



Smart Home /  
Devices

## Contact

If you are interested in our technical solutions and products, please do not hesitate to contact us.

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