

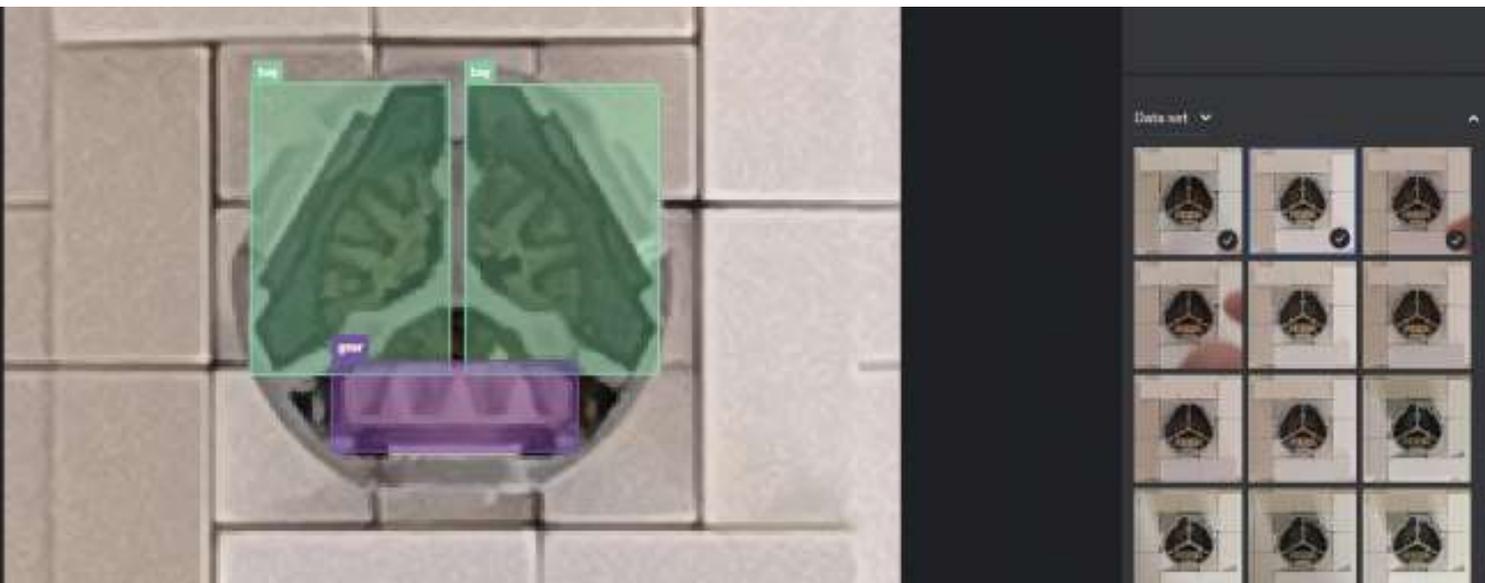
John Deere. |

John Deere, one of the **most important agricultural machinery manufacturers in the world**, of American origin, seeks to guarantee the quality of its products, starting by eliminating any error in the production of one of the parts.

In one of its assembly processes, the **company has a very extensive and complex manual assembly line with many parts**, which must be placed in a certain way and in a specific order. For this reason, John Deere seeks to automate and optimize the work done on this production line, to reduce human error and ensure the quality of the result.

Any type of alteration in the manual assembly line would result in a defective part, which would not be detected until it was mounted on the final product. This error would cost John Deere **a great deal of time and money**.

As a response to this challenge, John Deere has implemented an **Industrial Vision Solution, accompanied by Machine Learning and DeepLearning mechanisms**.



Consequently, this solution is based on three fundamental pillars: Machine Vision, which provides inspection and automatic analysis based on images, allowing you to perform automatic inspections of your assembly process; and Machine Learning and DeepLearning algorithms, allowing you to analyze visual images and extract information to be able to make subsequent decisions, thus, you have gone a step further in your assembly line to detect possible errors.



Thanks to these technologies, John Deere **eliminates possible human errors in the parts of its products, and therefore in the final products delivered to its customers, ensuring their quality and improving the profitability of its business.**

In summary, and thanks to the **implementation of Industrial Vision Solution solutions with Machine Learning and DeepLearning**, John Deere can:

- **To ensure the quality** of all the parts it manufactures.
- **To detect** possible production **failures**.
- **To record** the production **process**.
- **To alert** the operators **of the failure**.
- **To reduce costs** associated with failures in the delivered products.
- **To improve** the company's **profitability**.

About John Deere.

John Deere is an **American multinational company, dedicated to the production of agricultural machinery with delivery to all parts of the world.**

We provide solutions to your challenges.

Get in touch with one of our experts and we will help you bring your project to reality. Request your demo or personalized consultancy.

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