

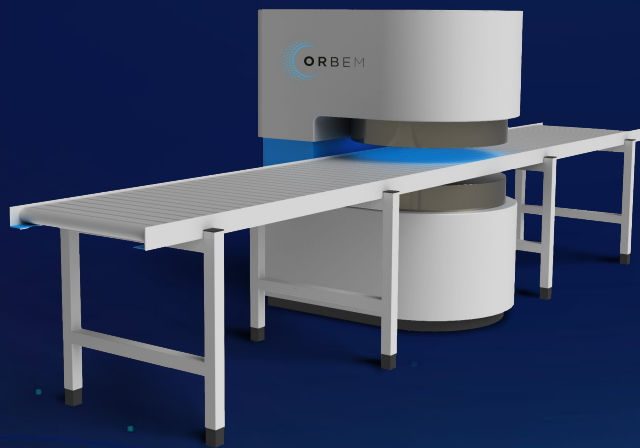


AI-powered MRI for nut analytics

**FAST
ACCURATE
CONTACTLESS**

What do we do

AI-powered MRI for nut analytics



The Genus combines accelerated MRI (Magnetic Resonance Imaging) with advanced deep learning algorithms to image nuts and automatically classify them. By energizing MRI with AI it is transformed from slow, expensive and complicated to fast, accessible and simple.

The Genus opens the door to two main use cases in the nut industry: **quality assurance** and **100% quality control**.

We believe this gives our customers the insights they need to make better decisions - for their business and the planet.



Our main use cases for nuts



Quality Assurance (QA)



Quality Control (QC)

Non-destructive testing

Reveal what's hidden underneath the surface



Detect defects that are relevant to your operations before or after shell removal and replace destructive testing methods. The Genus can detect these defects fully automated and with high precision leading to repeatable results.

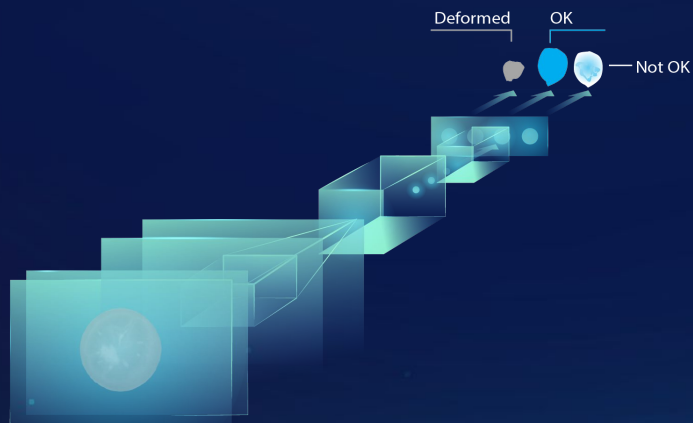
Nut types:

- Almond
- Cashew
- Macadamia
- Hazelnut
- Walnut

Did not find the nut type you are looking for? Contact us!

Quality Assurance

Faster, more accurate, and objective results.



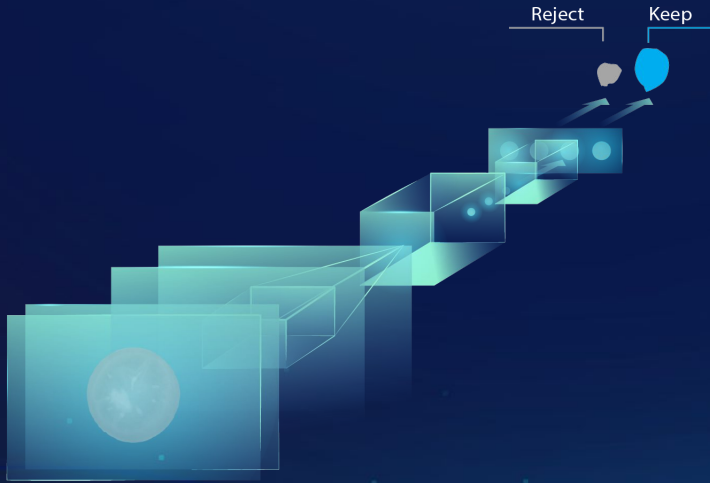
Stop wasting nuts during quality assurance trying to reveal what is hidden underneath the shell or the surface. Shift your operative decisions to large-scale datasets to optimise your purchasing negotiations and downstream processing.

Key figures:

- <5 minutes turnaround time
- <5% error
- Repeatable results
- Works for all nut types

100% Quality Control.

Inspect every single nut for sorting purposes.



Sort nuts by defect type or by grade to achieve higher quality and reduce waste. The fully automated and modular design allows for a throughput of up to 8 tonnes per hour.

Key figures:

- Up to 8 tonnes per hour
- <5% error
- Repeatable results
- Industrial design
- Works for all nut types



**Do you want to
learn more?**

Contact us!



hello@orbem.ai



www.orbem.ai



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