

DEVELOPMENT OF AGROBUSINESS INNOVATION IN ALGERIA « InnovAgro »

THE AGRITECH BUSINESS OPPORTUNITIES IN ALGERIA

AgriSort

Intelligent, modular unit for sorting and grading agricultural products.

**IDEA
N°07B**

TYPE OF OPPORTUNITY:

Mechanical and digital technology with a modular solution adapted to several sectors.

CHALLENGE:

Manual sorting and grading leads to inefficiencies for various products (apples, vegetables, etc.) and fails to meet the requirements of modern markets. The lack of modular solutions for different crops limits efficiency and increases losses.

IMPACT ON THE VALUE CHAIN:

Upstream: Standardisation of products for demanding markets, better quality of agricultural products from their initial sorting & reduction in post-harvest losses thanks to rapid, accurate sorting.

Downstream: Standardisation of products to improve access to demanding markets.

SOLUTION:

Development of a modular (and mobile) unit that can be easily adapted to the different characteristics of the agricultural sectors, equipped with:

- Intelligent, multi-purpose sensors to analyse quality (weight, size, texture, disease).
- Automated systems for sorting, separating and grading products to predefined standards.
- Flexible user interface enabling the unit to be configured for different product types and calibration requirements.

BENEFITS OR EXPECTED IMPACT

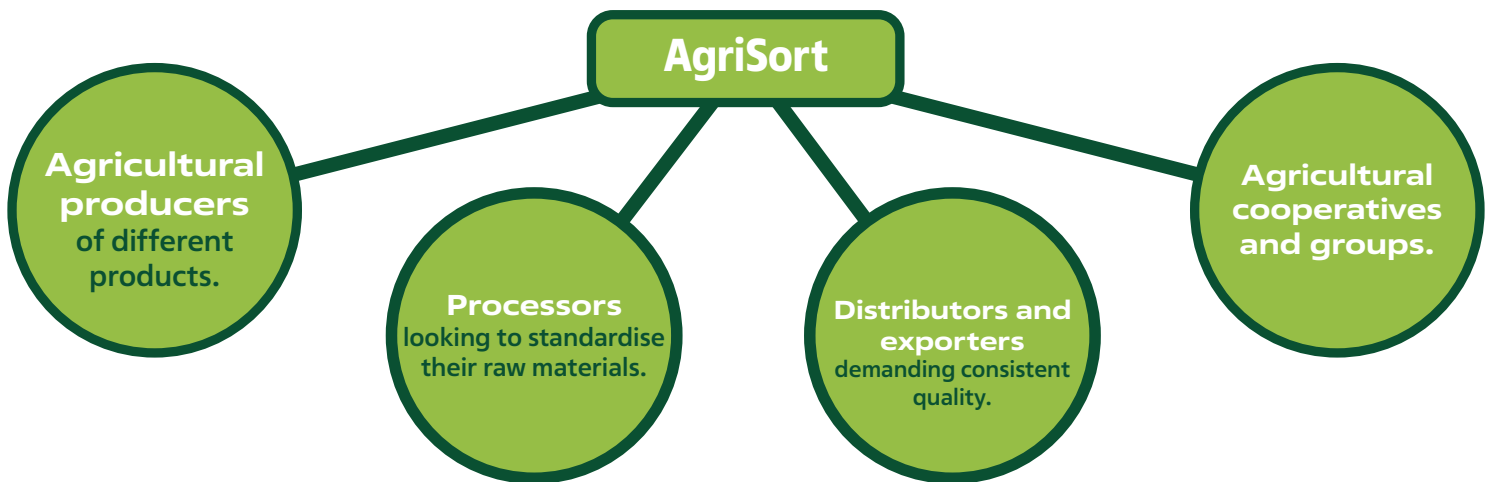
- Versatility and modularity: Adaptable to various agricultural products and usable all year round, depending on the crop.
- Reduced costs associated with waste and manual sorting.
- Increased access to national and international markets thanks to homogeneous products adapted to various quality standards.



SOLUTION COMPONENTS

- Interchangeable modules specific to different products.
- Integration of AI learning software to optimise performance for real-time analysis.
- Proactive maintenance to guarantee the life of the unit.
- Training and support for users.

WHO WILL PAY FOR THIS SERVICE OR PRODUCT ?

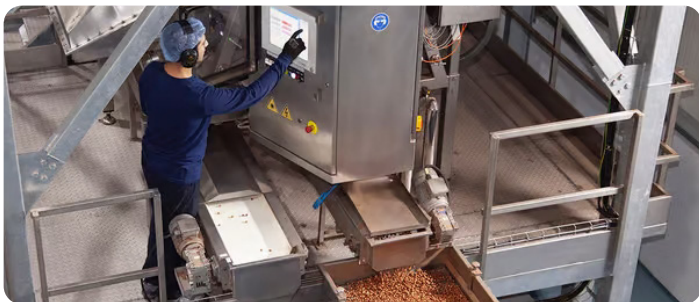


SUCCESS STORIES

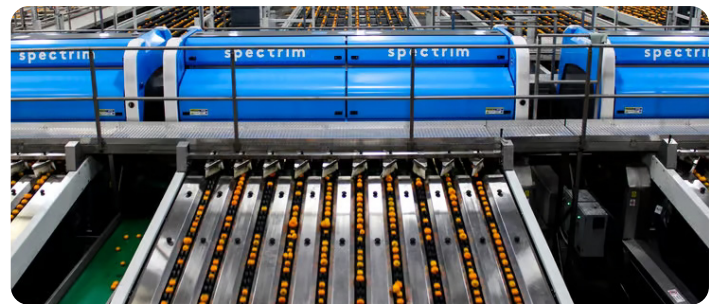
Tomra Food

Advanced optical sorting systems for food products.

[CLICK HERE](#) 



Crédit photo : www.tomra.com



Crédit photo : www.tomra.com

Futura

Grading and sorting solutions for fruit and vegetables.

[CLICK HERE](#) 

PROCESS FOR REALISING THE OPPORTUNITY

PHASE 1:

Analysis of target product needs and sizing requirements.

PHASE 2:

Development of the adaptive modules of the modular system and design of the software for the range of possible products.

PHASE 3:

Tests and adjustments with different agricultural products & POC.

PHASE 4:

Marketing with technical support and partnerships with players in the various sectors.

COMPLEXITY



MEDIUM TO HIGH

LEVEL OF INVESTMENT NEEDED



HIGH