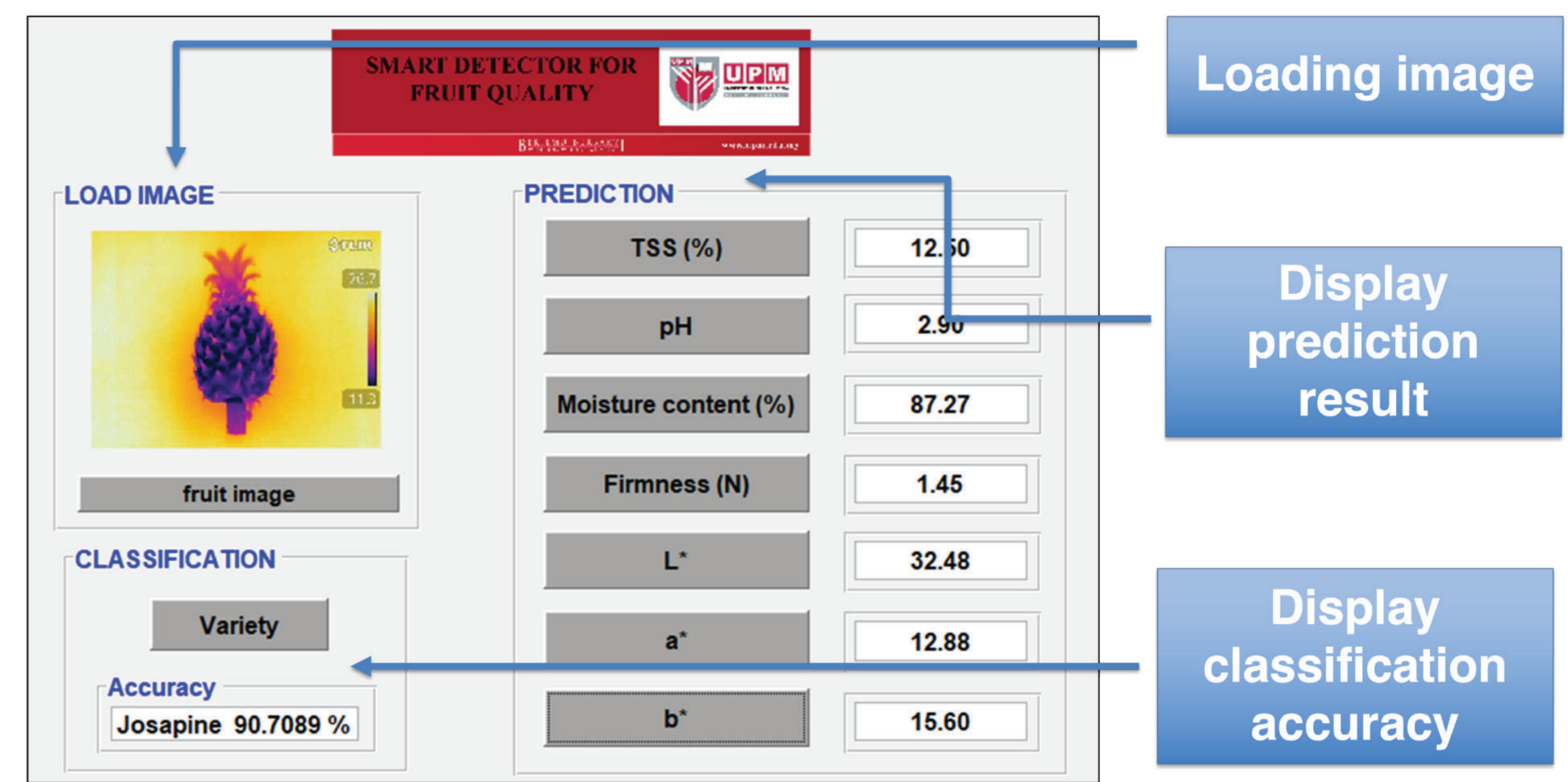
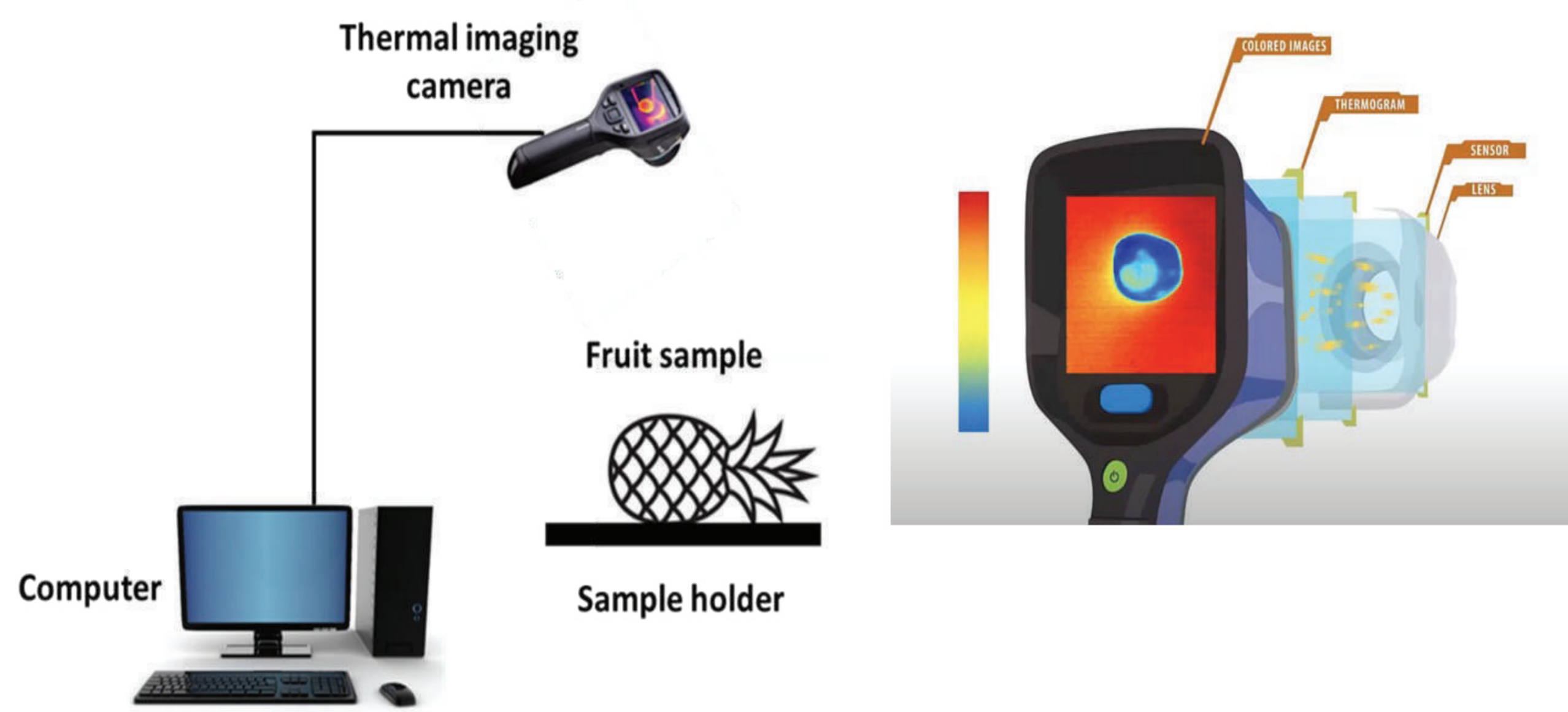


SMART DETECTOR FOR FRUIT QUALITY

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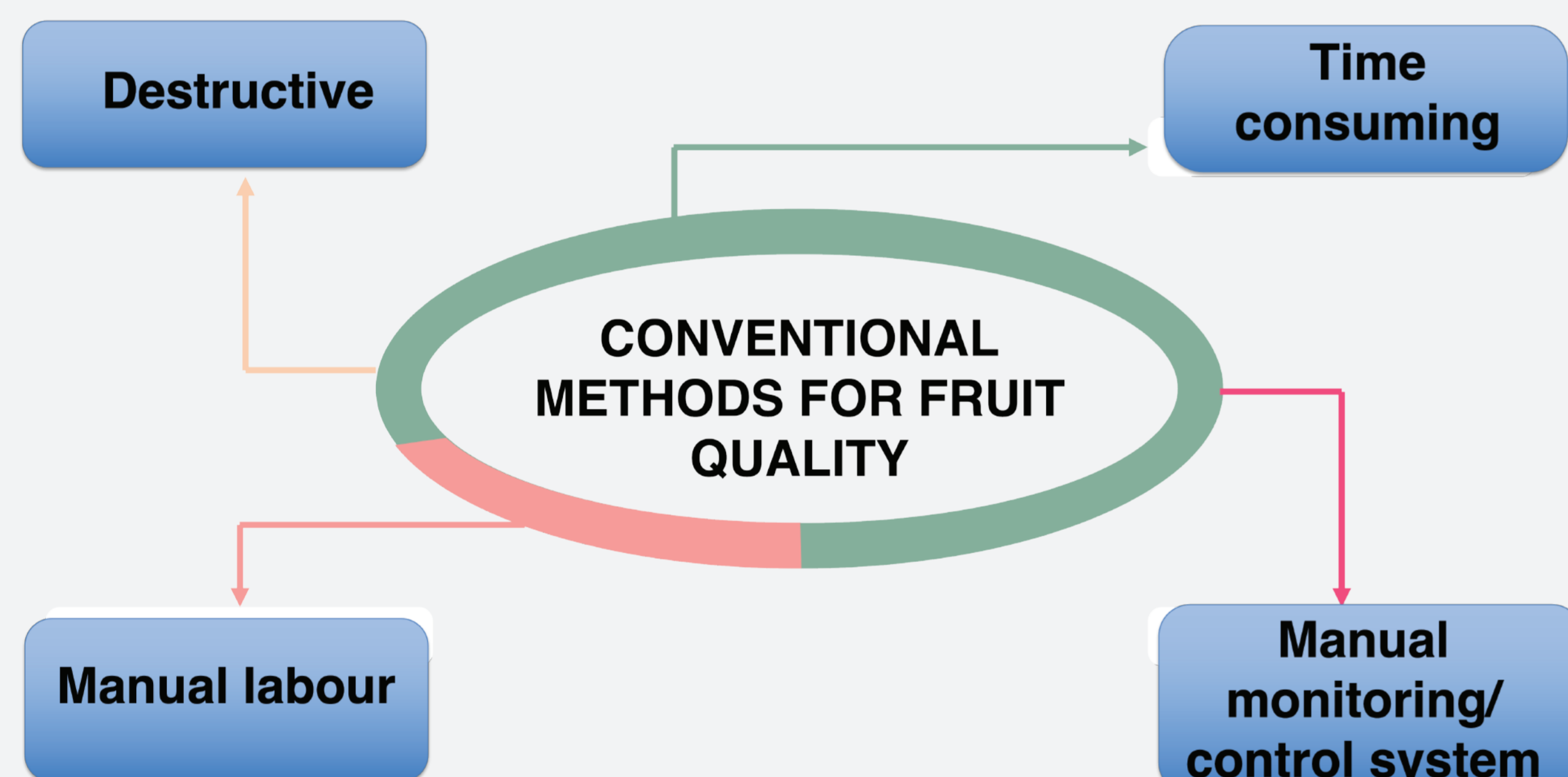


TECHNOLOGY

The smart detector for fruit quality is an integrated monitoring system of optical approach and artificial intelligence (AI). This imaging-based smart detector predicts the fruit quality using thermal imaging technique.

Through AI integration, the fruit quality can be analysed and predicted rapidly and accurately.

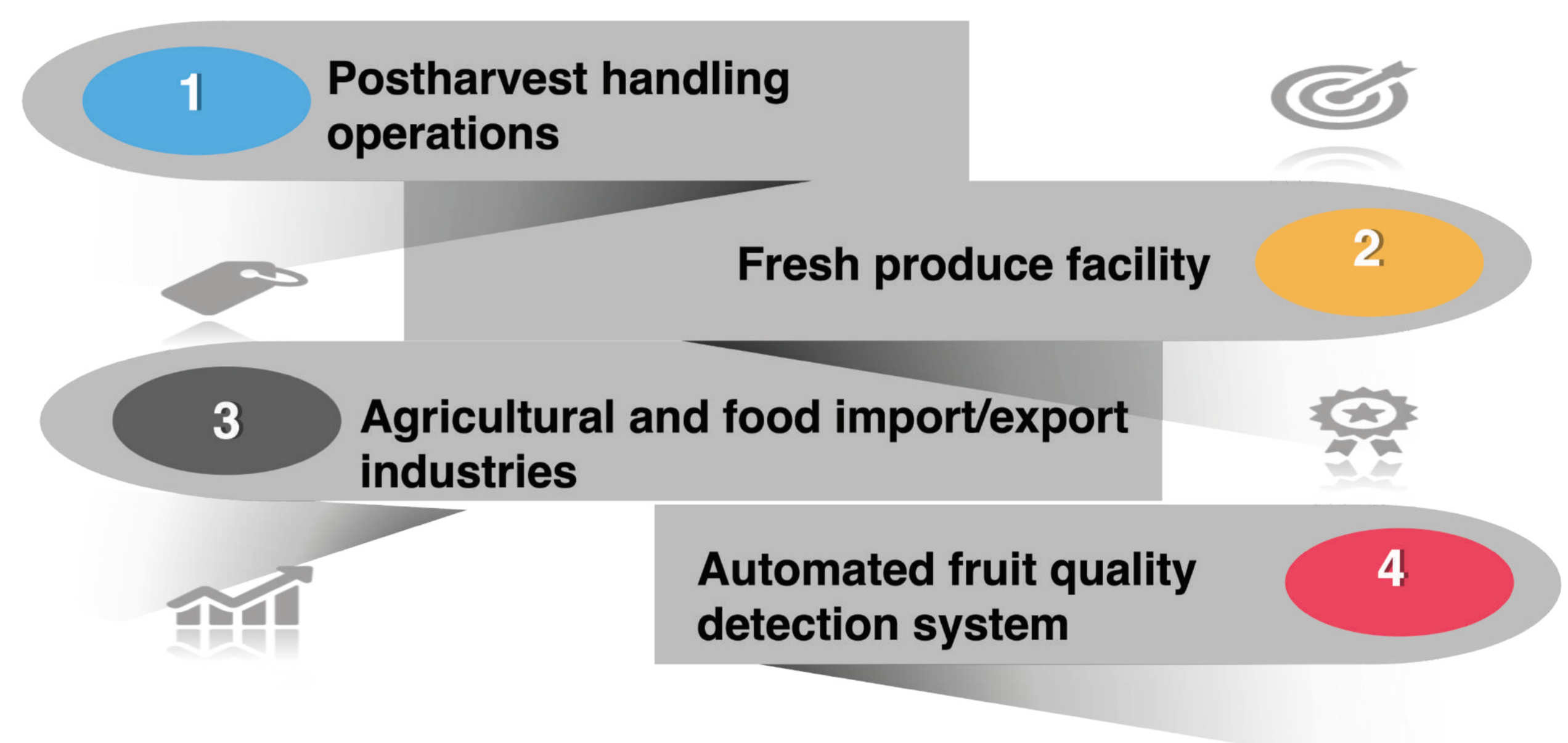
CURRENT ISSUES



INVENTIVENESS & NOVELTY

- The smart detector offers a **fast, non-destructive, and objective system** for fruit quality detection.
- Integration of optical imaging and AI** promotes automated quality evaluation.
- Rapid** processing time with high accuracy.
- Without contact** with the product, the system provides **objective** and **accurate** measurement that allows **repetitive** evaluation.

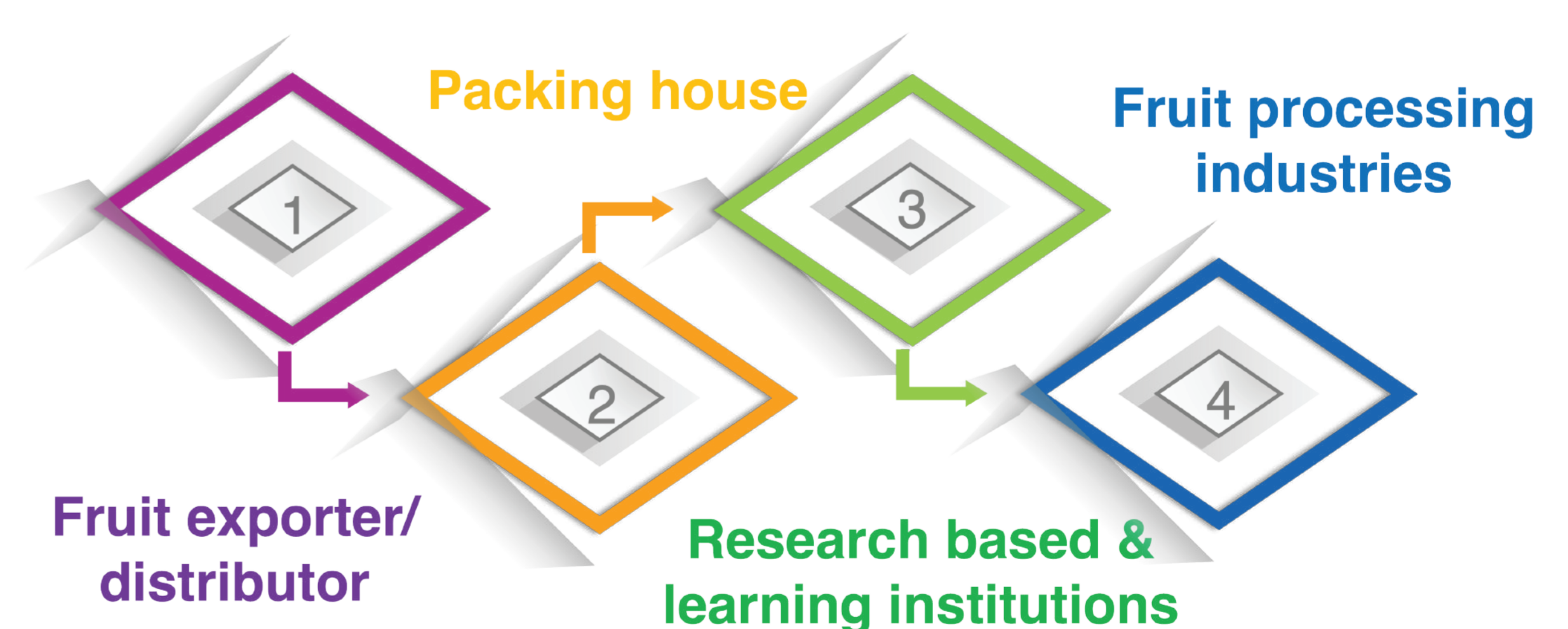
USEFULNESS & APPLICATION



IMPACT OF THE PRODUCT

- Applicable at any stages** of the supply chain, from the farm to the market
- Reduce postharvest losses** to less than 15%
- Increase productivity efficiency** by 60%

MARKET POTENTIAL



TRL : 5 – Validation in real environment



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