

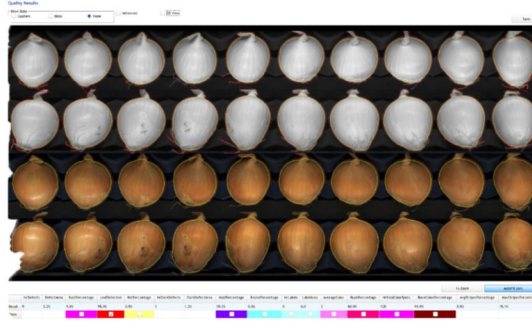
# Elisam Grading & Packing machines

## Internal and External Quality for Onions

Elisam can provide its customers complete solutions for onions processing

### Features :

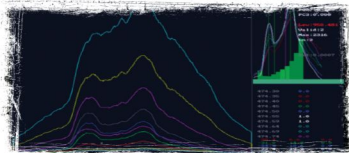
- Unique roller conveyor
- External defect system
- Detection of internal rot
- Detection of all batches



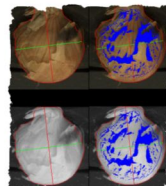
### Onion Results :



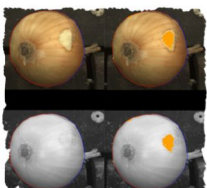
Internal rot detection



ColorDark  
24.1%



Skin defect  
22.5%



No skin  
7.1%

### ADVANTAGES :

- Up to 2 times less good in the bad
- Up to 2 times less bad in the good (especially for red onions)
- Up to 10 measurements per onion
- Optimized results for:
  - batches with small to medium onions (short integration time)
  - batches with medium to big onions (long integration time)
- Sensor mounted above the lanes to avoid pollution of the sensor and the chain/chain guide
- No need for calibration thanks to our software's shape recognition signal
- We use the 5D technology which means the best results obtained by 3D and 2D

