

30 min for grading 300 gr with only a few quality parameters

high subjectivity errors and only average values

quality differences between pre-sale and arrival samples

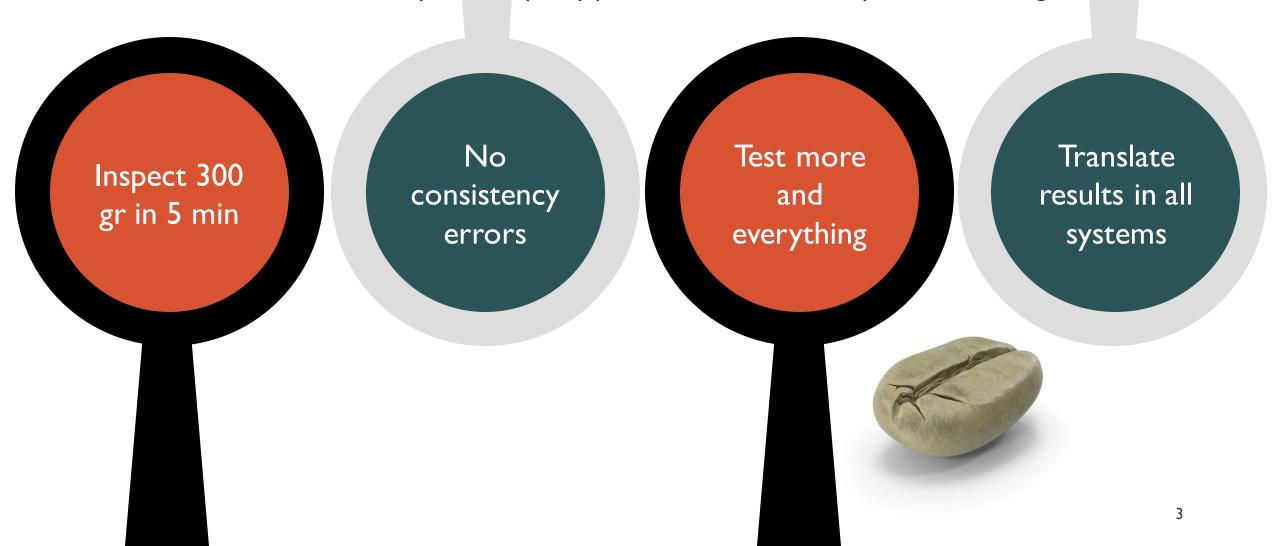
confusion due to dozens of quality scoring systems





QSorter® - The New Coffee Quality Language

Measure automatically several quality parameters with accuracy and lots of insights



Q Bean by Bean Automatic Grading



Grade and Defect Analysis

- ISO standard 10470 definitions
- SCA and GCA grade

Physical Properties

- Size distribution
- Color L*a*b and shape analysis

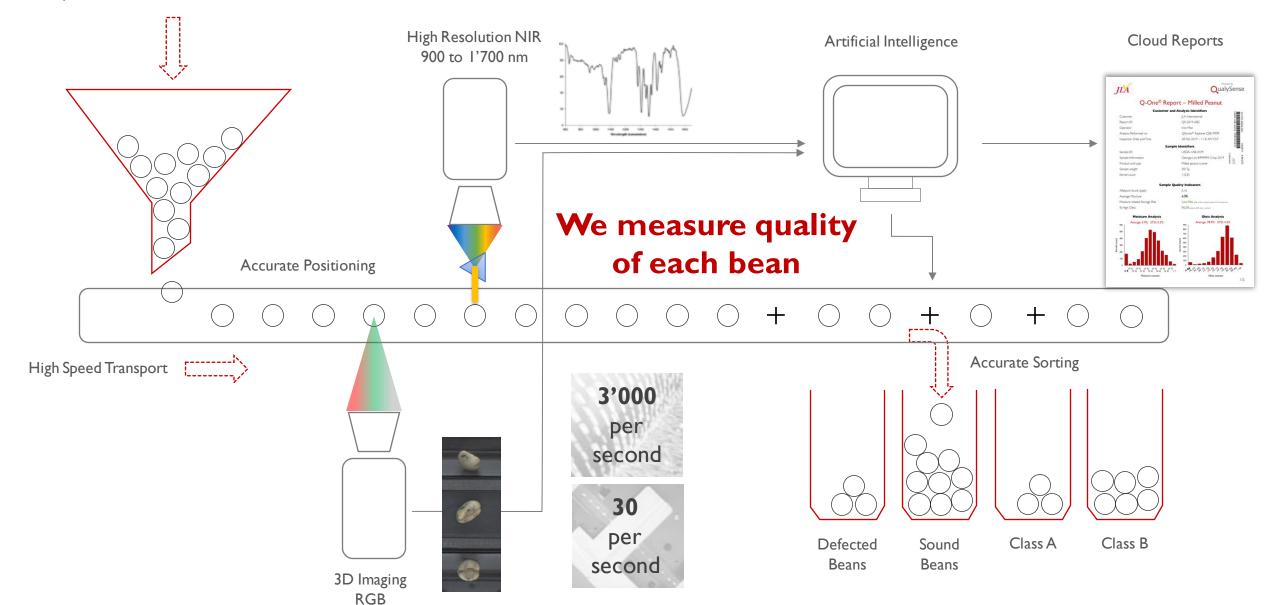
Biochemical and Roasting Analysis

- Moisture, sucrose, protein, lipids
- Single bean distributions





Advanced Robotics and Sensing with Al



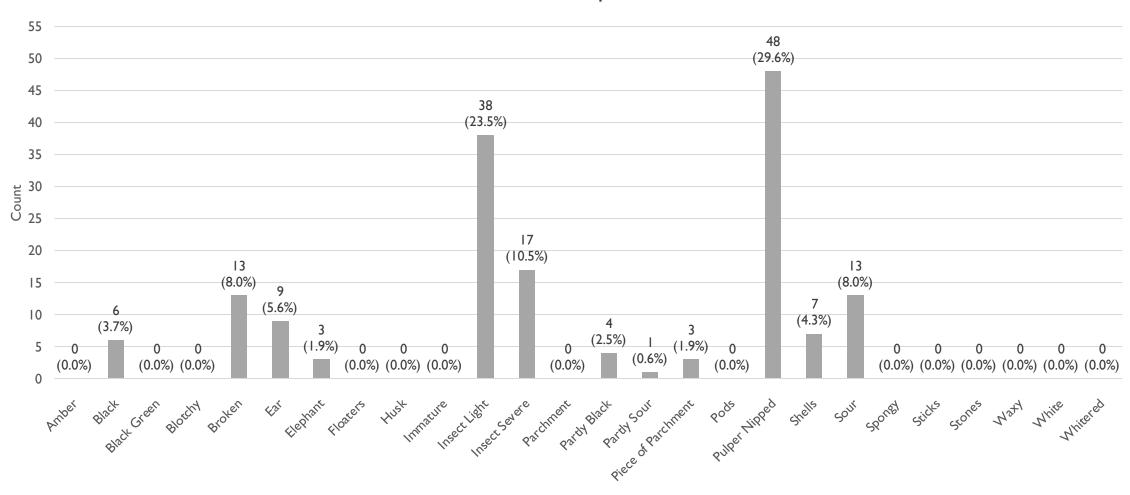
Introducing the ...





Accurate Defects Count with Al

Beans Count per Defect

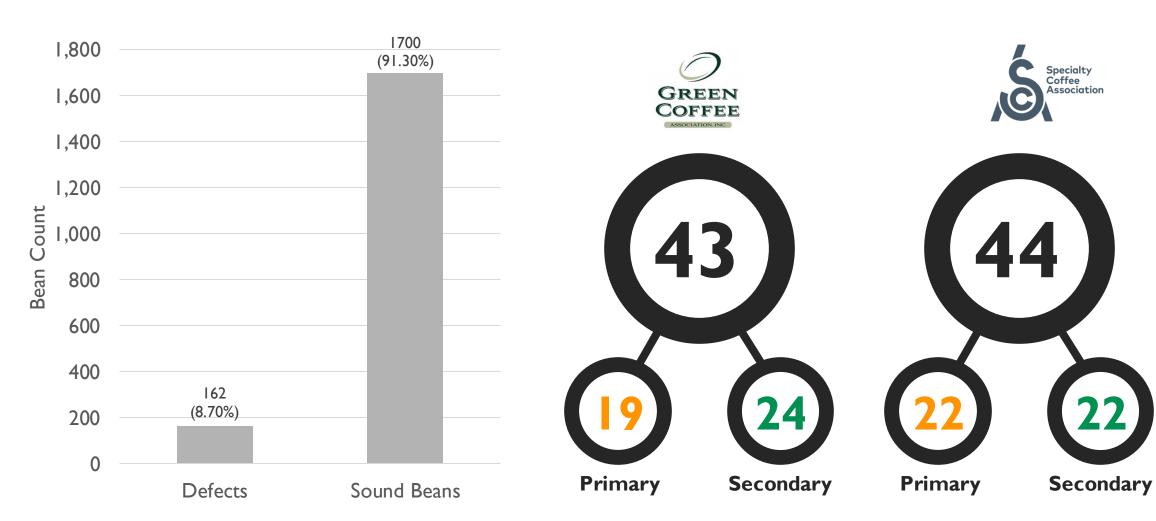




From ISO Count to Any Scoring System



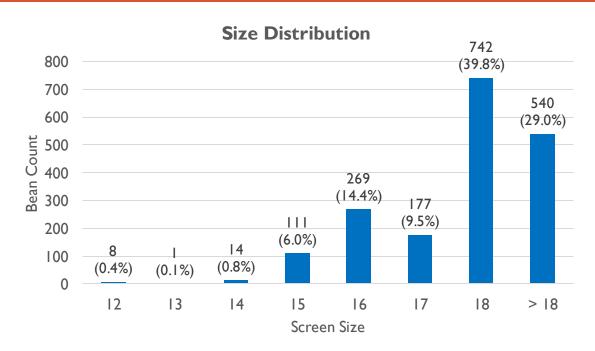
Grade – Defect Count



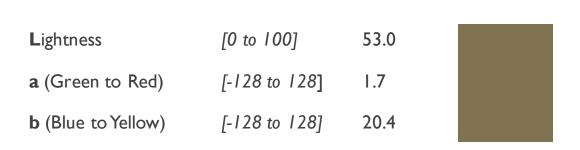


Physical and Biochemical Analysis

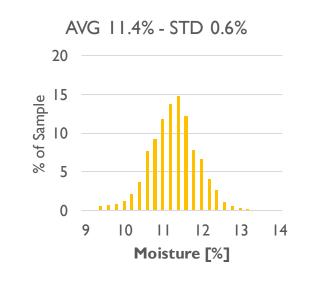
Physical Analysis

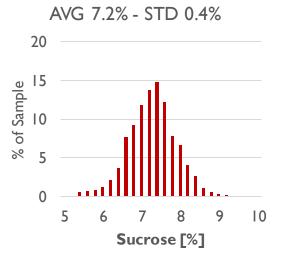


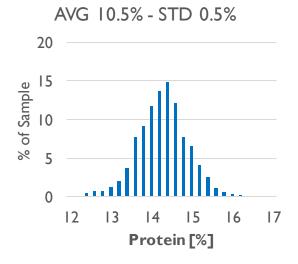
Color Analysis

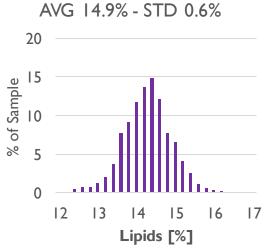


Biochemical Analysis

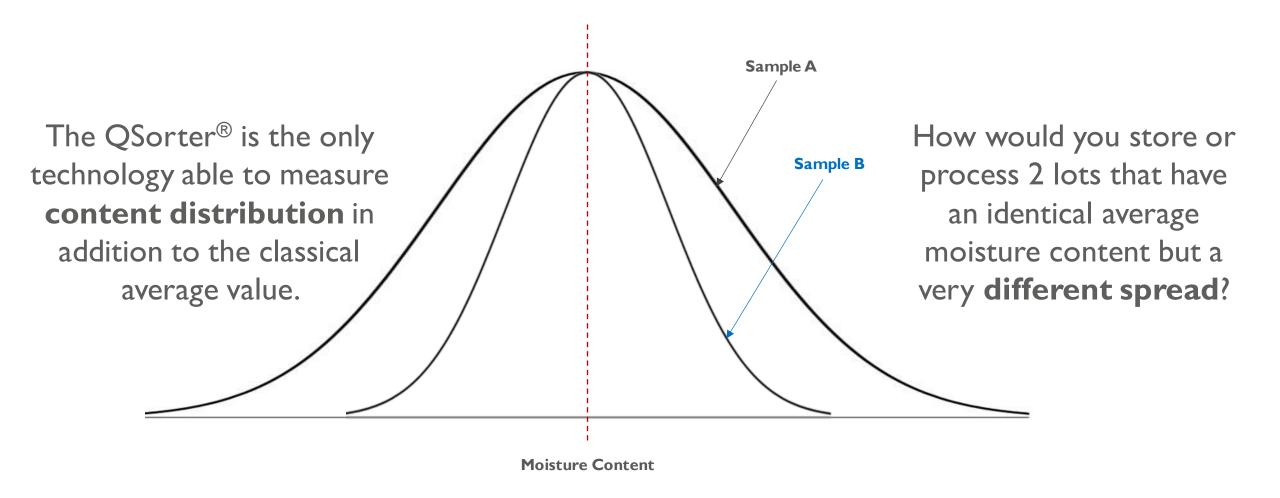






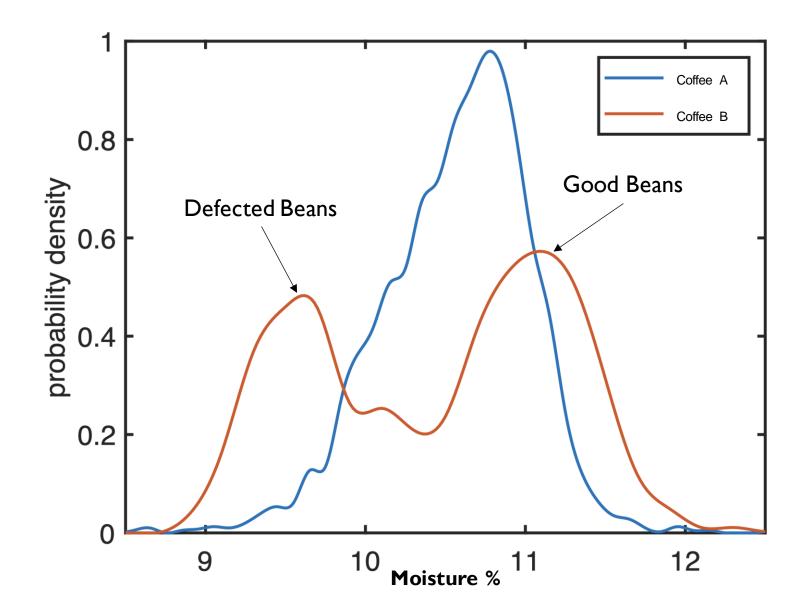


O Insights from Bean by Bean Distributions





Q Unique Quality Insights with QSorter®



The moisture distribution of a sample of "Coffee B" shows 2 peaks. After careful analysis, we discovered that the lower peak around 9.5% was due to a large amount of defected beans.

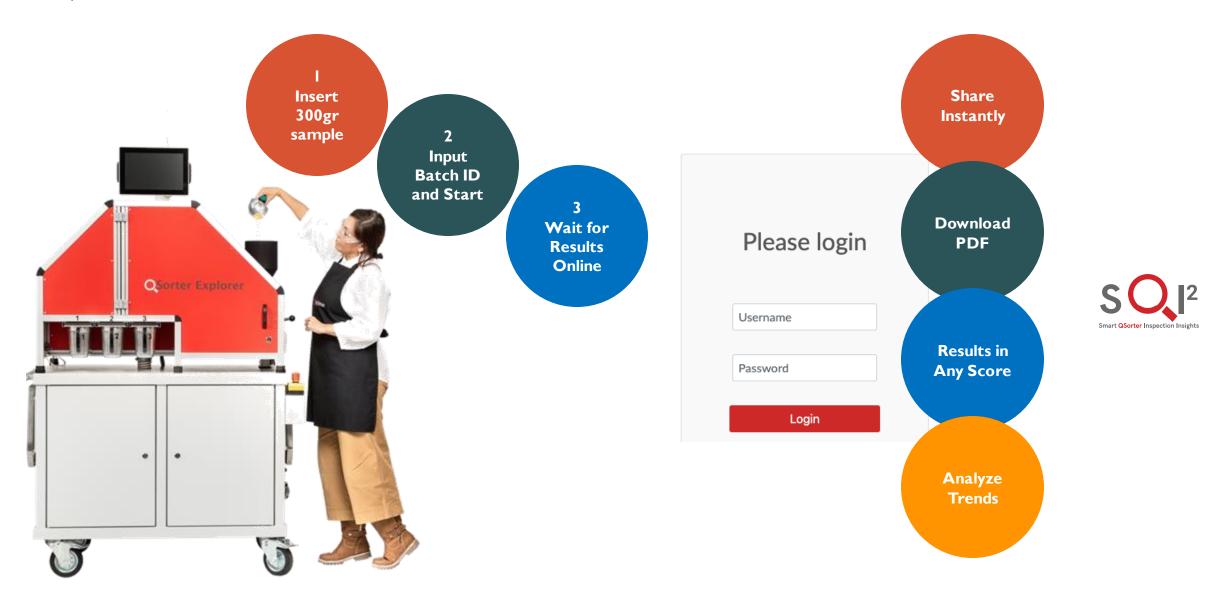
Open questions:

- Are the defected beans belonging to the same coffee and same season?
- Is this double peak going to have any impact on the cup quality?
- If there was intentional blending, was this known to the buyer?





C Easy Steps and SQI² Cloud Results





Buy Grading and/or Roasting Bundle



Grading properties

Roasting properties

Support tools

- Defect bean count according to ISO 10470
- Defect grading according to SCA or GCA
- Size distribution
- Color L*a*b and shape analysis
- Moisture

- Protein
- Sucrose
- Lipids

- Wi-Fi and LAN connectivity
- Sorting capabilities
- QualySense remote support

QSorter®: a New Coffee World

Buy and Sell at the Right Price

QSorter® inspects with high reliability and prevents you from doing mistakes when buying or selling coffee. Trade for the right defects score and enable discounts or premium for uniformity.

Identify Quality Issues and Reacts Immediately

Thanks to its bean-by-bean quality analyses, the QSorter® spots anomalies of quality parameters and helps you optimizing blending, storage, and processing.

Tracking Quality Data Real Time with the QualySense SQI² Cloud

Quality reports are instantaneously available to all stakeholders of the company, no matter in which country they are, to allow better tracking, to avoid fraud and monitor operations.

Speak the Same Language with Suppliers, Customers and Subsidiaries

The QSorter® can translate all the quality data in any standard or scoring system at the push of a button. Avoid misunderstanding on quality and concentrate on the transaction.

Several Quality Insights for a More Sustainable Value Chain

The simultaneous measurement of physical and biochemical parameters, enable coffee players to bring coffee quality to a new dimension and help optimizing agricultural and processing practices to reduce energy waste and CO2 emissions.



Get all the Quality Data and Get it Right



QSorter[®] **Explorer**

Ask for a demo sales@qualysense.com

Innovation Partners











