



ProfilePrint™  
THE GLOBAL FOOD FINGERPRINT

**Tea Grading Module**  
empowered by A.I. Food  
Fingerprinting Technology

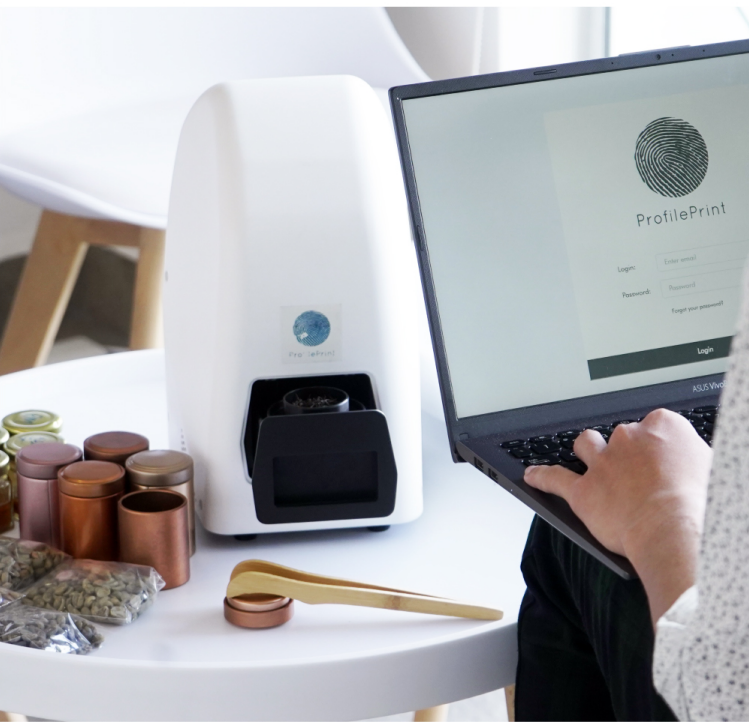


ProfilePrint™

# Introduction

ProfilePrint™ is a rapid and non-destructive food analyser based on A.I. food fingerprinting technology, which can rapidly authenticate, identify adulteration and predict characteristics such as taste profiles.

ProfilePrint™ analyses at molecular level and can be used seamlessly by stakeholders in the supply chain, retrieving real-time results from anywhere.



## Application

# How it works

With about 5g of a sample from a food product – e.g. tea, coffee, herbs, spices – ProfilePrint™ makes it possible to swiftly identify the quality, adulteration, geographic origins, and even taste profile in just a few seconds. Without the need to prepare the sample, our portable food scanner – with its patented metabolomic fingerprint technology and machine-learning algorithms – analyses the food product in a non-destructive manner. With scientific efficiency and accuracy, ProfilePrint™ ensures consistency much more cost-effectively as compared to the high cost and turn-around time of 3rd party lab testing.



### CAPTURE

Proprietary portable device captures metabolomic signatures



### PROCESS

Proprietary algorithm developed based on a combination of chemometrics and A.I.



### MATCH

Encrypted cloud-based database of ProfilePrint™



ProfilePrint™

# Key Advantages

- *Speed and Accuracy:*

ProfilePrint™ takes a few seconds to ascertain quality without the need of human-tasting

- *Knowledge Management:*

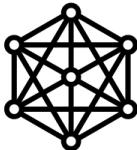
Experience is retained in the A.I. model learnt from the experts

- *Portability:*

Web-based software with a device easily hand-carried in a travel bag



Advanced Chemometrics



Big Data A.I. Modelling



Sensor Technology



ProfilePrint

Cost-effective:  
Subscription model

Real-time:  
3 seconds

Repeatability & Accuracy:  
Variety, Quality, Taste,  
Provenance, etc.

# Tea Grading Module

## Digital Tea Matching

*Matching samples digitally from new client*

ProfilePrint™ allows rapid scanning of the digital fingerprints for tea samples provided by prospective buyers, and matches to a list of closest teas available amongst the samples from the brokers and suppliers.

Application Edit View

< Back to Dashboard

Match Reference Sample

Standards:  
Enter standard

Date Scanned:  
From (DDMMYYYY)  
to (DDMMYYYY)

Customer:  
Enter customer

Ranking	% Match	Broker name	Catalog Name	Sale Date	ID	Target Bid Price	Actual Bid Price	Standard	Customer	Date Scanned	Comments
1	96.34%							B-6413	Tea Tong	5th March 2020	
2	95.01%							B-6207	Tea Tong	5th March 2020	
3	93.87%							Queens	BT	5th March 2020	
4	92.51%							B-6413	Tea Tong	5th March 2020	
5	91.69%							R-33	Tea Tong	5th March 2020	
6	88.12%							English Breakfast L	Lipton	5th March 2020	
7	84.41%							English Breakfast Tea	Fishbein	5th March 2020	




## Tea Grading Module


# Customer Standard Archiving


*Storing the digital fingerprint of existing clients' tea standard*


The web-based Grading Module empowers the client to archive the standard samples for key buyers as a digital fingerprint in the secured database accessible only by the client. This helps expedite the reordering process as it skips the need for physical tasting to match the required standard.


Application | Edit | View


  
ProfilePrint

 Dashboard

 Sample Catalog

 Standard Catalog

 User Management

 Settings

[< Back to Dashboard](#)

Reference Sample Selector

Standards:

Date Scanned:  
From (DDMMYYYY)

Customers:

Standard	Customer	Date Scanned	Comments	Actions
B-6415	Tea Tong	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>
English Breakfast L	Lipton	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>
English Breakfast Tea	Dilmah	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>
B-6207	Tea Tong	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>
B-6413	Tea Tong	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>
Queen	BT	5th March 2020		<a href="#">Edit</a> <a href="#">Remove</a>

## Tea Grading Module

# Digitalising Grading/ Bidding Process

*Converting broker catalogue from paper to web*

Through a digital catalogue, clients can record the visual and taste grading information as well as the bidding results of each auction in real-time on their mobile devices.

Application Edit View

Tea Bidding **Tea ID: #1054** Broker Name: John Keells Catalog Name: Tippy Small Leaf Round No. 36

Sales Date: 2020-03-27

Target Bid price: 650.00

Bid Winner:

Actual Bid Price:

Specify Winner:

Tea Details:

Estate:	Grade:	Net	Sale	Warehouse:
ENDELWATTE	FBOFF	Weight:	Number:	JOHN KEELLS W
		38.008	22	AREHOUSING

TASTE GRADING

Standard: Selected for bidding: Taste:

Yes Yes SOME CHA, ON HAM MY

VISUAL GRADING

Size: Visual:

14 OLD STC, L FLAKY

[Back To List](#) | Skip [Next](#)

Application Edit View

Taste Grading **Tea ID: #1054** Estate: ENDELWATTE Grade: FBOFF1 Net Weight: 38.008 Sale Number: 22 Warehouse: JOHN KEELLS WAREHOUSING Round No. 36

Negative

THICK L THICK STRONG

LES COLOUR COLOURY SOFT

L SOFT HAMMY **ON HAMMY**

TOSTY ON TOSTY DRY

ON DRY

Neutral

LIGHT

BRIGHT

BURNT

**SOME CHA**

TAINTEED

Positive

Selected For Bidding

Target Bid Price

Standard

Last Week's Price

[Back To List](#) | Skip [Next](#)

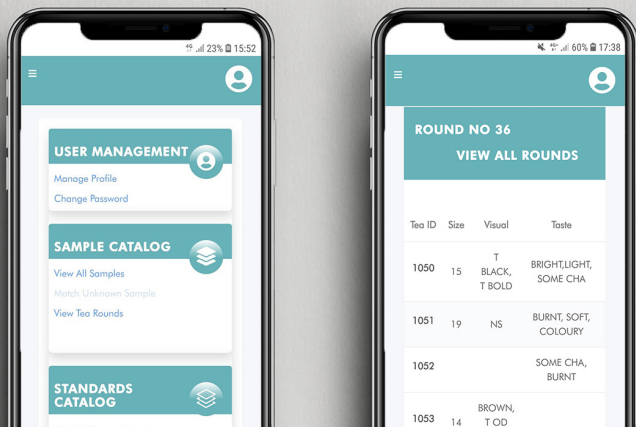


## Tea Grading Module

# Online Management Dashboard

### *Accessing Information in Real-time*

A management tool that aids timely and informed decision-making for the purpose of production planning, business development and competitor analysis by allowing status-tracking, price-monitoring and data-retrieval on any mobile device.



ProfilePrint™'s

# Clients and Partners



As featured

# In The Press



ProfilePrint™'s

# Awards



Mitsui Chemical Research  
Award 2019 Techplanter (ASEAN)



Top 20 Microsoft for Start-up  
2019 (Singapore)



Top 10 Global Table Seeds  
and Chips 2019



Enterprise Singapore SGTECH  
grant 2019 awardee



Top 25 Global Startup-O 'Fasttrack' Season 10



Top 20 Future Food Asia 2019

Contact us for a free trial

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