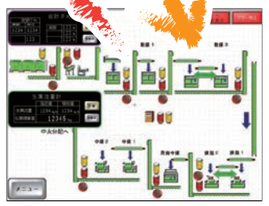
Supports/analyzes by visualizing machine operation information



Factory central monitoring system
“Tea manager”

Monitors whole factory from fresh leaf receiving to tea shipping by linking “tea manager” with “kaikei-san” . Processes manufacturing process management, efficiency, processing time, predicting the quantity etc. And by managing machines maintenance & guessing transportation troubles, not only informs with alarm when error occurs, sends a message to PC & smart phone.

“Tea flow” system

Each type control panel

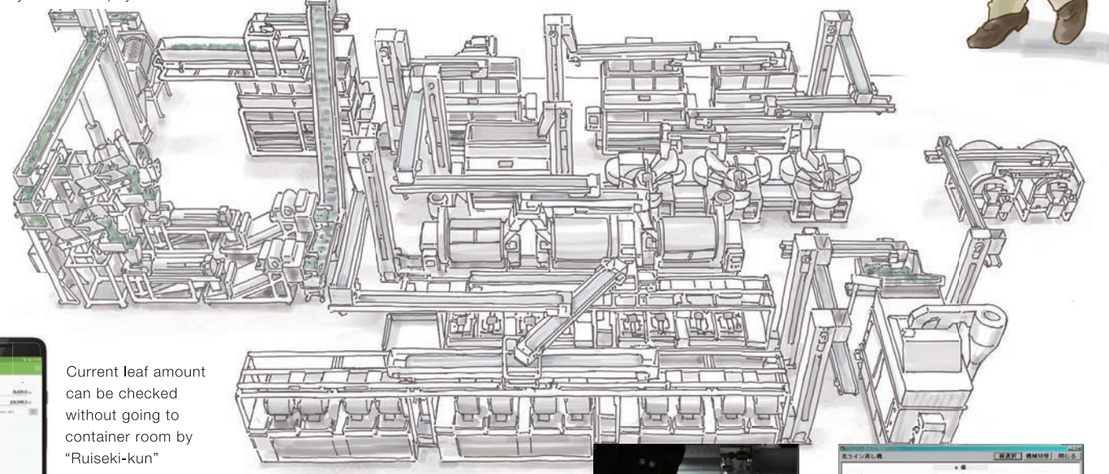
Links each controlling devices

Moisture meter

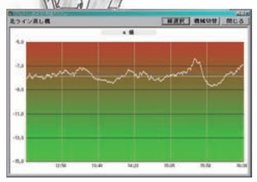
Tea flow tablet

FA (Factory automation) system

In tea flow & FA system, controls by analyzing most suitable tea manufacturing conditions, with data from kaikei-san. Set value is recorded leaf & lot wise, past values can be referred & by analyzing can be useful for future manufacturing.



Current leaf amount can be checked without going to container room by “Ruiseki-kun”



Not only the moisture, but with the manufacturing tea leaf image & color, predicts & controls tea manufacturing conditions which helps to improve & balance product quality.

By linking with dealer or customer shows in “Kaikei-san” by feedbacking amount, price, evaluation. By centralizing cultivation, manufacturing, product information, visualize whole information targeting quality managing, operation efficiency. Our target is to make useful the daily accumulated data for smart-agriculture future.

TERADA 株式会社寺田製作所
TERADA SEISAKUSHO CO.,LTD.
No.869-1 Ushio Shimada-shi Shizuoka-ken 428-8502 Japan
Phone : +81-547-45-5111 Fax : +81-547-45-5110
https://www.web-terada.jp E-mail:info@web-terada.jp

● Sales agent

TR189E-00

Mar.2022

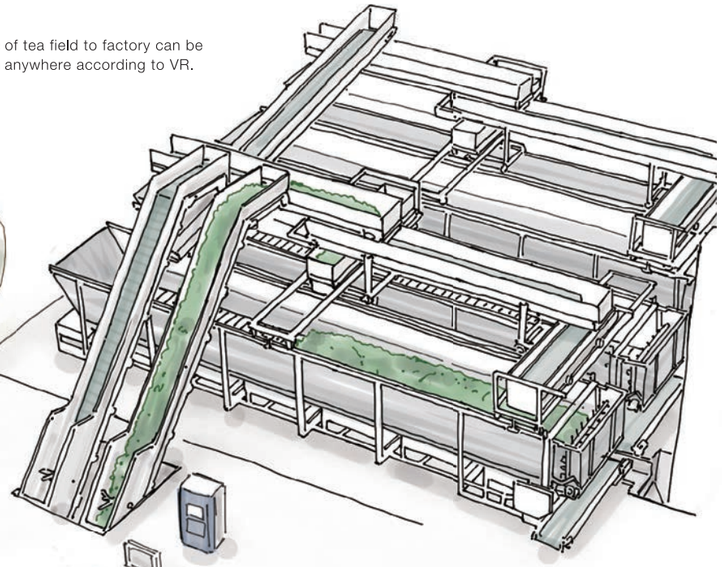
TERADA

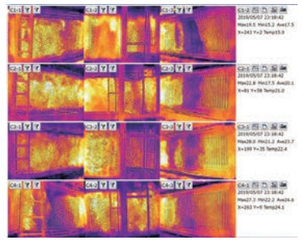
SMART-AGRICULTURE FOR GREEN TEA

※You can watch video of this product.

Connecting, visualizing, opening,
bright near future of tea industry by TERADA

Visible state of tea field to factory can be caught from anywhere according to VR.





Fresh leaf container temperature monitoring system

To keep the tea leaf freshness longer till manufacturing, monitors whole container temperature with thermography, informs with alarm if increases & prevents leaf burnt by cooling that area.
And valid for withering controlling for black tea & semi-fermented tea manufacturing.

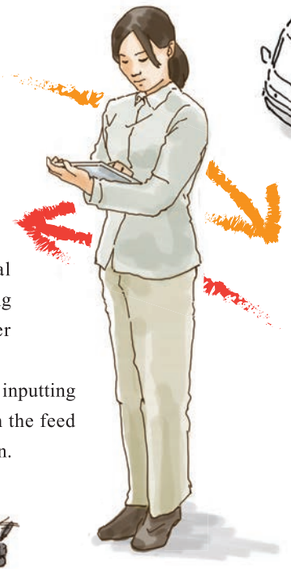
Generally, most of the process from tea farm, factory to product shipping is done by experienced people manually. And gathering manpower, reducing workload has become a major issue for the government.
Terada imaging future of tea industry is to target profitable management by improving production efficiency, stabilization & quality including AI prediction by visualizing, accumulating, analyzing data with agricultural IoT power.

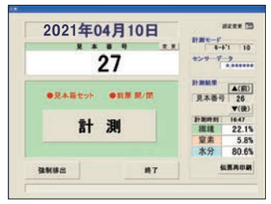
茶畑日誌
Tea garden dialy for iOS/Android

It is an application which can be automatically link with tea factory total management system “Kaikei-san” through cloud (Net) by collecting, managing data like tea field position, variety, soil, plucking, pest control, fertilizer applying, field work, using machine information etc.
In future instructs most suitable work process through “Tea garden diary” by inputting data automatically from tea field managing machines including robots with the feed backs of cultivation, production, orders from dealers & management prediction.

Satellite positioning system

Robot fertilizer applying machine
At Horiguchiseicha smart consortium

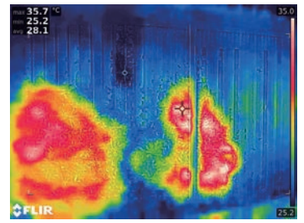




Fresh leaf analyzer LJM-2

Fresh leaf analyzer LJM-2

Analyze internal components of tea leaf, links with “Kaikei-san” & helps for leaf evaluation.
Helps for future tea field management by linking evaluation with plucked tea field work data & analyzed.

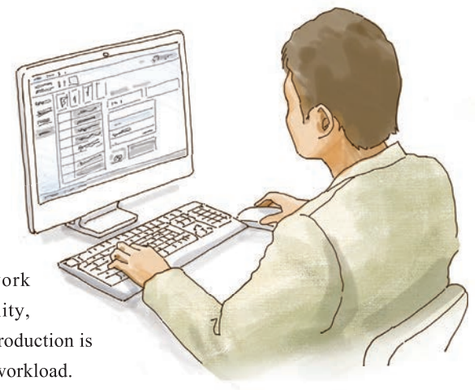


Fresh leaf receiving container temperature monitoring system

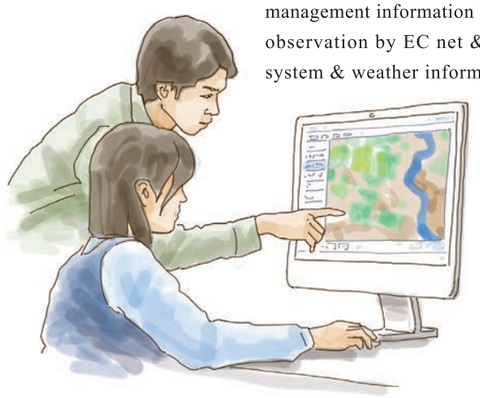
By monitoring tea leaf temperature when receiving, prevents leaf burnt according to the heat while transporting to factory.

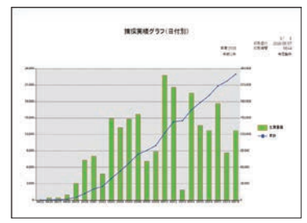
会計さん
Fresh leaves weighing & accounting system

Kaikei-san structured with 1. Weighing & settlement system 2. History management system 3. Fresh leaf analyzing system 4. Tea sales system 5. Labor management system has become the key for smart agriculture of tea industry including field information with tea garden diary & system inside tea factory by accumulating data, managing & instructing.



Analyzes the cultivation, plan the producing capacity wise plucking according to the tea field management information by tea garden diary, field observation by EC net & information from network system & weather information therefore high quality, high yield, high profit production is possible with reducing workload.

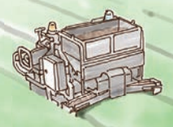




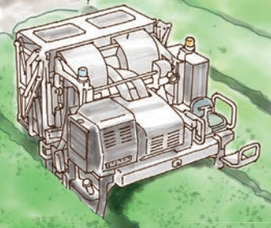
Field container carrier

Drone for agriculture

Robotic tea farm management machine



Robotic tea harvester



App Store からダウンロード

Google Play で手に入れよう

※Tea garden diary app can be downloaded for free.(japan only)

Field observation network system