

# Moisture controlling system “SHITORI”

TERADA

Quantifies tea leaf moisture content which is important in tea manufacturing as “Dampness value” & high-quality stable tea manufacturing is possible.



Sampling unit S (For primary tea rolling dryer)



Sampling unit C (For secondary tea rolling dryer)



In TERADA [SHITORI] system, processes sampling regularly while manufacturing, measures surface moisture with proper pressurization & quantifies as [SHITORI value]. Since the value reduces if surface is dried even the moisture is high in whole, can catch the difference according to the state. Since the touching feel can be quantified like this, stable green tea manufacturing is possible by responding according to the value changing.

Both sampling devices for primary rolling process & secondary rolling process are of specific structure, measures with suitable pressure for each tea.

Sampling unit outside plate & electrode part is of hygienic stainless steel.

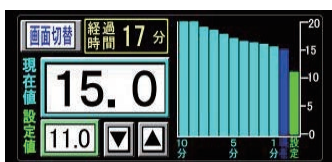
By using “System 500 series” control panel, controls air rate as to become target moisture value within set time.

## ■ Moisture controlling system “SHITORI” control panel: SYS-100MD

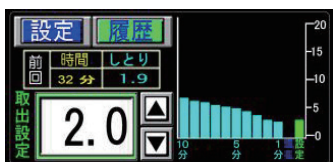
- Display is of digital touch panel type. Moisture changing can be checked directly since current moisture value, process moisture value till 10min ago shows in graph.
- Can immediately check the required details as previous run time, discharging set SHITORI value, passed time from input etc.
- Previous 20time discharging time & discharging time dampness value can be saved.
- Turns to alarm screen & warns with the content when error occurs in sampling unit etc.



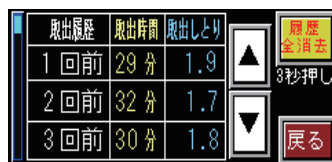
Control panel : SYS-100MD



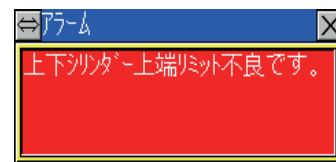
Measuring (Tea manufacturing) display



Waiting (Waiting for input) display



History display



Alarm display

※These controllers are ready to English caption.

※Part of the specifications might be changed for improvement.

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