

碾茶炉

TENCHA FURNACE



FTD-500, FTDS-FB



※You can watch the video of ten-cha production.

Control panel designed for ease of use.

Control panel : FTDC-100/500

Control panel is with tencha special structure and can be operated in touch panel. It is a center control panel including burner exhaust fan etc. Net speed can be set in seconds, progress of furnace can be checked with screen according to the processed time.



★ Main screen



★Tea spreading device setting screen

Tea spreading fan can be set individually. By setting the appropriate air volume for the tea leaf flow rate, the tea leaves open and each leaf spreads out onto the net.



★Change setting screen

Each floor's net speed, each fan's air rate can be input easily with tenkey. Burner can also be selected Auto or Manual.



★Temperature, output transition screen

By using a graph to track temperature changes over time at multiple locations inside the machine, can quickly and visually respond to any changes.

Tea spreading device



Net tower

FTDS-FB

Specifications

Ten-cha furnace

Type	Length mm	Width mm	Height mm	Weight kg	Power										L P G consumption (max) L/h	Capacity (when RTR is not used.) kg/h	Capacity (when RTR is used.) kg/h
					Net conveyor kW	Burner kW	Exhaust fan kW	Lower fan kW	Auxiliary fan kW	Upper dryer			Screw conveyor kW				
										Crowler kW	Exhaust fan kW	Leveling kW					
FTD-100	8,700	2,850	6,100	6,800	0.2x3	0.25x2	0.75	-	-	0.2	0.75	0.04	0.4	33	80~120	200~300	
FTD-500	8,700	3,200	6,500	6,200	0.2x4	0.25x2	0.75	1.5x2	0.4x2	-	-	-	-	33	-	300~500	

※Production capacity depends on the capacity of the final dryer. Be careful about the size of the final dryer you choose.

Tea spreading device

Type	Length mm	Width mm	Height mm	Weight kg	Power kW	Number of net towers
FTDS-FA	2,815	995	5,700	250	1.5 x 2	1
FTDS-FB	3,675	995	5,700	375	1.5 x 3	2
FTDS-FC	4,525	995	5,700	500	1.5 x 4	3

Auxiliary Equipment

Control panel Type : FTDC-100/500

Trough conveyor Power: 0.2kW x 1

Aerial transportation device Power: 0.75kW x 1

※Part of the specifications might be changed for improvement.

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Tencha furnace FTD-100



Multi-hole drying section

FTD-100, FTDS-FC

Detailed machine system to recreate quality of 'genuine Tencha'.

- ★ **Color** *The tea leaves are spread out over the whole net without overlapping & dries evenly. According to that leaves will maintain their natural and fresh color.*
- ★ **Aroma** *Drying by radiation and natural convection heat creates Tencha original aroma.*
- ★ **Spreading** *This is an important process in Tencha manufacturing. The steamed leaves are cooled by float transporting by air blowing and removes the surface moisture is by opening the leaves. This improves the drying efficiency in the initial process of the Tencha furnace and has a significant impact on the color.*



- The furnace and flue is coated with radiation material, and efficient infrared contributes to roasted flavour.
- Gas burner is used for heating device with energy saving structure.
- By using 3 stainless nets, 2 upper stage and 1 lower, avoids empty rotation and can be used long.
- Comparing to orthodox brick furnace, It is half space and movable structure.

Our goal is 'genuine'

Tencha furnace FTD-500

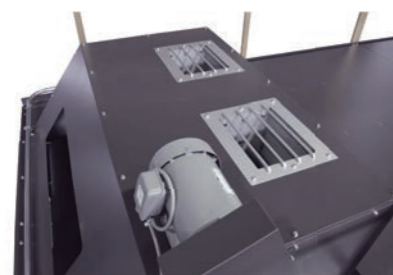
Implied 500kg/h processing ability with RTR-500N and secondary dryer combination.

- With the usage of 4 step net wider than FDT-100 net, maximum process of 500kg/h is possible.
- By feeding leaves to upper two stages as to urge the tencha original flavour by affecting efficient infrared to each leaf.
- Keep the coloring with convection heat in middle stage.
- Lower stage is a seperated drying room, where the hot wind sent from burner for energy saving.



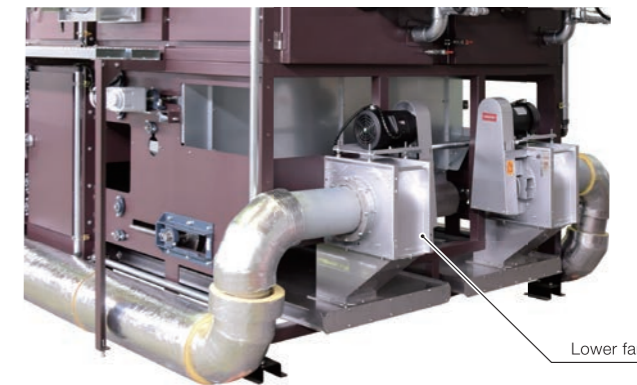
Auxiliary fan

FTD-500, FTDS-FB



★ **Exhaust fan**

The control panel controls the output to manage the temperature environment inside the furnace. By using the sub fan in combination, the heat inside the furnace can be moved and the temperature distribution can be changed.



Lower fan

The lower fan blows the combustion air from the burner to the bottom of the lower net, which significantly improves drying efficiency.

Super-heated parching machine RTR-250N/500N

High-temperature hot air with high heat exchange rate can remove large amount of moisture in a short time.



Dries steamed leaves by blowing super-heated hot air (200 ~ 350°C) into drum.

RTR-250N

High Quality, Space Saving, Energy Saving.