

葉打機

TEA SCATTERING DRYER



TERADA

TERADA

Specifications

Scaling conveyor

Type	Width	Depth	Height	Weight	Power	
					Main motor	Fan
	mm	mm	mm	kg	kW	kW
KN-20	5,110	1,400	1,100	500	0.2	0.75
KN-25	5,310	1,600	1,100	650	0.2	0.75
KN-30	5,410	1,600	1,135	710	0.2	0.75

Scaling hopper

Type	Width	Depth	Height	Weight
	mm	mm	mm	kg
MH-4	1,580	535	790	60
MH-6	1,880	535	790	75
MH-12	2,480	625	830	115

Tea scattering dryer (Batch type)

Type	Width		Depth	Height		Weight	Power			Heavy oil consumption	Air rate	Suitable furnace	Main shaft rotation	Feeding amount (Fresh leaf)
	With motor cover	Frame		With exhaust pipe	Frame		Shaft	Fan	Burner					
	mm	mm		mm	mm					mm	kg		kW	kW
KSH-35	2,230	1,900	1,435	-	1,600	780	1.5	0.75	0.25	3.9~7.8	23~70	-	33~43	18~35
KSH-60	2,890	2,490	1,620	-	1,850	1,370	2.2	2.2	0.25	6.9~13.9	42~125	-	33~43	30~60
KSH-90	3,040	2,600	1,980	-	2,230	1,800	3.7	2.2	0.4	7.5~15.0	45~135	-	30~40	45~90
NSH-120	4,050	3,550	1,790	2,910	2,230	1,760	3.7	5.5	0.75	12.2~24.5	63~250	HLS-25B	30~40	60~120
							3.7	7.5	0.75	14.7~29.4	75~300	HLS-30		
NSH-200	5,470	4,900	1,900	3,257	2,505	3,020	7.5	5.5 x 2	0.75 x 2	24.5~48.9	125~500	HLS-25Bx2	30~40	100~200
NSH-250	6,260	5,600	1,972	3,307	2,555	3,510	11.0	7.5 x 2	0.75 x 2	29.4~58.7	150~600	HLS-30x2	30~40	125~250

Tea scattering dryer continuous flow type

Type	Width		Depth	Height		Weight	Power			Heavy oil consumption	Air rate	Suitable furnace	Main shaft rotation	Feeding amount (Fresh leaf)
	With motor cover	Frame		With exhaust pipe	Frame		Shaft	Fan	Burner					
	mm	mm		mm	mm		mm	kg	kW	kW	kW		ℓ/h	m³/min
SSH-90	3,030	2,550	2,025	-	2,070	1,330	3.7	1.5	0.75	6.7~13.3	30~120	HLS-12B	30~40	45~90
SSH-120	4,050	3,550	1,940	2,910	2,230	1,770	3.7	1.5	0.75 x 2	13.6~27.0	65~260	HLS-12B	30~40	60~120
								2.2				HLS-20A		
SSH-200	5,470	4,900	1,900	3,257	2,505	2,930	7.5	5.5	0.75 x 2	22.0~44.1	113~450	HLS-25B	30~40	100~200
								3.7				HLS-25A		
								5.5 x 2	0.75 x 2	24.5~48.9	125~500	HLS-25Bx2		
SSH-250	6,260	5,600	1,972	3,307	2,555	3,470	11.0	7.5	0.75 x 2	26.9~53.9	138~550	HLS-30	30~40	125~250
								5.5				HLS-25B		
								7.5 x 2	0.75 x 2	29.4~58.7	150~600	HLS-30x2		

Standard equipment & option setting

◎ is standard equipment ○ is optional settings

Type	Angle adjustable drum	Cleaning door		Clean TW plate	One-touch hook	Transparent front door	Smooth opener (Gas dumper)			Main shaft fluorine coating	Press arm leg & scattering hand leg plating	Drum stainless	Chain coupling	Expand metal ceiling	Sampling unit for high moisture field
		Front	Rear				Front door	Cleaning door (Front)	Cleaning door (Rear)						
KSH-35	-	-	-	○	◎	○	○	-	-	○	○	○	-	○	○
KSH-60	○	◎	-	○	◎	◎	○	○	-	○	○	○	◎	○	○
KSH-90	◎	◎	-	○	◎	◎	○	○	-	◎	◎	○	◎	○	○
NSH-120	◎	◎	◎	○	◎	◎	○	○	○	◎	◎	○	◎	◎	○
NSH-200	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	○
NSH-250	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	○
SSH-120	◎	◎	◎	○	◎	◎	○	○	○	◎	◎	○	◎	◎	○
SSH-200	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	○
SSH-250	◎	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	○	◎	◎	○

※Part of the specifications might be changed for improvement.

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## Tea scattering dryer (Batch type) 35,60,90,120,200,250K



NSH-120

Efficient scattering is done with wide spaced drum.  
Qualities like color & fragrance will be improved  
with scattering process.

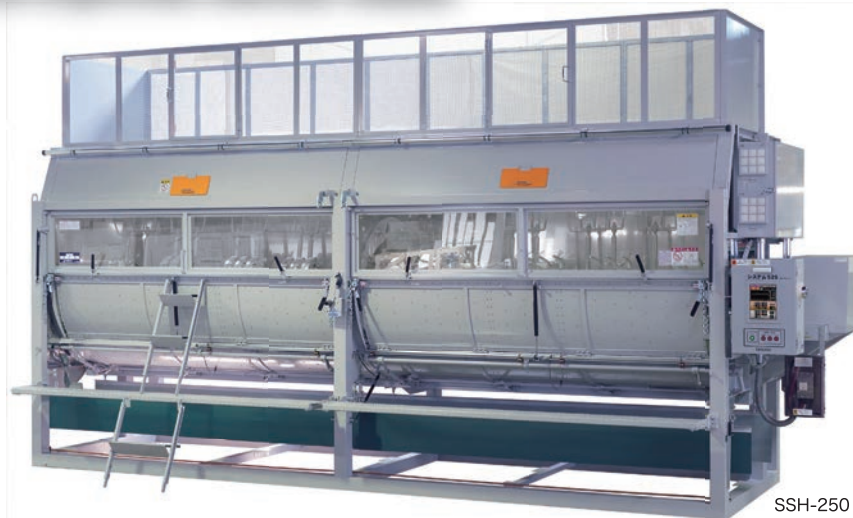
- Gloss, color and fragrance will be improved without sticking according to efficient touching of hot air to tea leaves by smooth tea scattering in wide spaced drum (1.4 times of primary dryer).
- It is structured as to move hot air from top and along with rubbing drum and as to discharge the exhaust air with high humidity smoothly.
- Gained large space above shaft to improve scattering efficiency. Surface drying occurs when dries only with air and deteriorates the product quality, therefore wide space is needed.
- The structure, all scattering hand, or press arm combination can be selected according to manufacturing method as steaming degree and line structure.
- Since it is batch type, scattering time can be set as you want.

## Tea scattering dryer (Continuous flow type) 90,120,200,250K

According to continuous type, color & fragrance will be improved without waste.

Efficient scattering is done without holding.

- Gloss, color and fragrance improves without getting stuffy since the leaves won't be held according to continuous scattering process, therefore it is suitable for deep-steamed tea and special-steamed tea.
- Gained two rooms in one machine, one room is scattering specified (All scattering hand) and the other room is scattering and rubbing (Scattering + press arm) both can be processed at the same time.
- Gloss, color and fragrance will be improved without sticking according to efficient touching of hot air to tea leaves by smooth tea scattering in wide spaced drum (1.4 times of primary dryer).
- It is structured as to move hot air from top and along with rubbing drum and as to discharge the exhaust air with high humidity smoothly.
- Gained large space above shaft to improve scattering efficiency. Surface drying occurs when dries only with air and deteriorates the product quality, therefore wide space is needed.
- The structure, all scattering hand, or press arm combination can be selected according to manufacturing method as steaming degree and line structure.



SSH-250

### Authentic steamed leaf scaling apparatus

#### Scaling net conveyor



KN-20

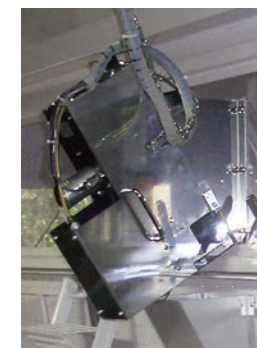
- Spread the steamed leaves on net conveyor and prevent stuffiness by sending air from under the net.
- The efficiency of tea scattering improves since there won't be any steamed leaf sticking according to net conveyor inputting.

#### Scaling hopper



MH-12B  
(With feeding conveyor)

- Feeding to scaling hopper, collects steamed leaves uniformly to hopper by moving conveyor.
- There are high precision load cell digital type and simple mechanical weighing type for steamed leaf scaling.



Infrared moisture  
measuring sampling unit  
(For high moisture field)

### Structure pursued hygienic and safety

#### One-touch hook

Front door can be fixed and released in one-touch  
※Already patented



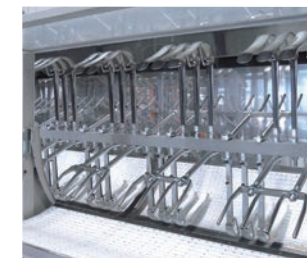
#### Smooth opener

The door can be opened/closed smoothly and safely even get heavy by tea sticking with gas damper equipped to front door, front drum door and rear drum door. (Below 120K is optional)



#### Easily cleanable front and rear drum door

- Since the front and rear drum door can be opened and closed largely, cleaning inside the drum and adjustment of press arm & scattering hand can be done easily and safely.
- Resin plate can be used to the bottom plate as option which won't stick tea easily and the stuck tea can easily be removed.
- Drum small plate is stainless steel and all inside drum is of stainless steel over 120K.



Front drum door (Front cleaning door)



Rear drum door (Rear cleaning door)

#### Exhaust duct & ceiling

- Exhaust duct is made to the height to gain exhaust volume calculated by used air amount and supports reducing tea dust.
- Expand metal is used to the ceiling. (Over 120K)

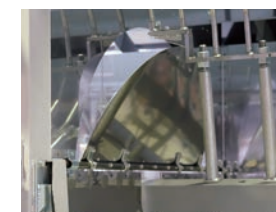
#### Powder collecting device

Tea leaf stuffiness, too much/less suction won't occur since powder & stalks are collected.



### Continuous flow type tea scattering dryer

The quantity of sending tea leaves from room one to two inside drum can be adjusted easily with Terada original fan type chute. Discharging quantity from tea scattering dryer can be adjusted by discharging trough conveyor pushing amount. Both sending & discharging is done above the shaft. If the holding quantity increases, also the sending & discharging quantity increases to stable.



Chute to adjust sending quantity



Pursued ease of use control  
by pulling out machine performance

### Pursued ease of use control by pulling out machine performance

#### For batch type



★SYS-64A  
Main shaft, air rate and hot air temperature are 2-step controlling according to dial operation.



★SYS-76M  
Main shaft, air rate and hot air temperature are 5-step controlling according to dial operation. Tea temperature can be set in 2, 3 process and 4, 5 process.



★SYS-525HE  
Main shaft, air rate, hot air temperature, tea temperature and process time can be selected from 2-5 steps. Manufactures, controlling hot air temperature according to the set tea temperature and controlling air flow rate referring moisture measuring.



★SYS-525SSE  
Control the air flow rate as to stable discharging moisture amount. Both tea leaves holding volume inside drum and moisture level can be displayed in graph.