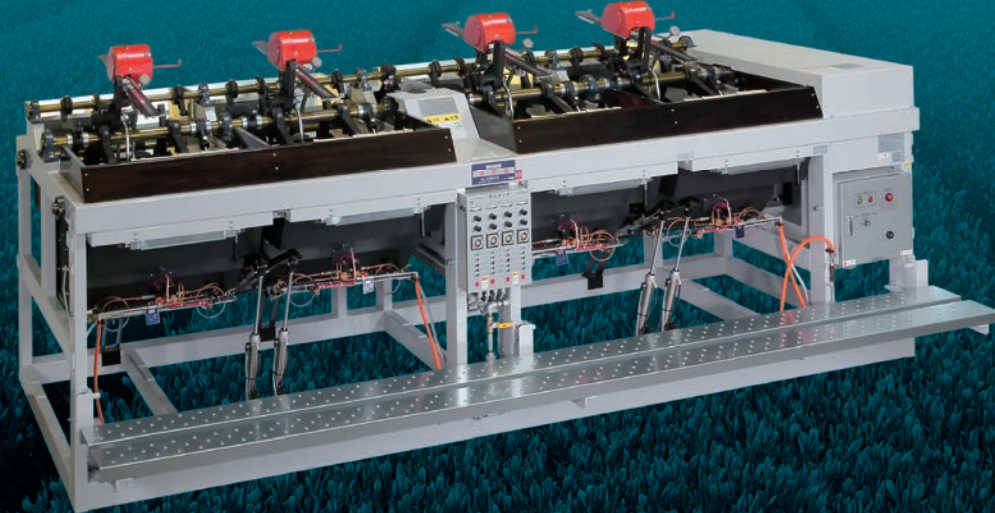


# 精揉機

FINAL TEA ROLLING DRYER



TERADA

TERADA

## Control panel pursued ease of use by pulling out machine performance

### Rotations control panel



- Since the final tea rolling dryer starts moving slowly, it is less danger & reduces load to the machine.
- Rotations can be changed freely & will be less noise.
- Optional 2-step speed change according to timer can also be used.

### 4 pot central control's GASRACK



#### ★ TH-40A-2

- Automatic firing, automatic temperature adjusting (2-step) controller.
- Ceramic heater strong for dust, processes firing to combustion check.
- Equipped with retry feature (re-firing) when combustion error, and stops the gas & informs with a buzzer if firing is not possible.

### Automatic weight control panel



#### ★ AW-8U/12U

- Improved operability by applying digital color touch panel.
- Operation is easy since it is same as traditional structure.
- 20 weight stopping positions can be selected and subtle adjustment is possible for polishing weight position.
- There are maximum 12 processes (Can be selected from 10, 12 processes) and can respond to fine controlling.
- Apart from basic program, 15 individual programs can be saved.
- 2 final tea rolling dryers (8 pots) can be controlled from AW-8U and 3 machines (12 pots) from AW-12U.
- According to the network connection, other control panels' unified change is possible by changing one position's program.
- As an option, 10-step rotational speed change and 2-step temperature control of Gasrack are possible.

## Fully automated final tea rolling dryer HSA-60H,60,120



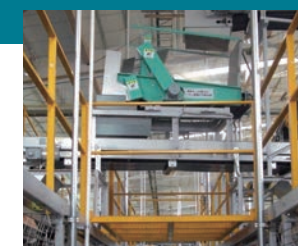
### Feeding control panel



#### ★ NAF-7G

### Responds to tea leaves measuring, feeding & automated line.

- Processes automatic controlling from feeding to discharging of final tea rolling dryer 1 machine (4 pots). (Manual operation is also possible.)
- Each pot individual running, 2 pot linked, 4 pot linked controlling is possible.
- Checking the discharging port also done automatically & informs with an alarm when error.



### Tea leaf automatic distribution device (loadcell scaling type)

#### ★ NAM-1DD

- Digital distribution control panel
- Perform a digital measurement in one place and distribute it between each pot automatically. The high precision measurement by the load cell.

## Specifications

### Final tea rolling dryer

Type	Width	Length	Height	Weight	Power	Rotational speed	LPG consumption	Number of pots	Feeding amount for a pot (*1)	Feeding amount (*1)
	mm	mm	mm	kg	kW	rpm	kg/h	Number	kg	kg
HSA-60H	1,975	1,220	940	510	0.75	40~60	0.55	2	7.5~15	15~30
HSA-60	3,170	1,220	940	910	0.75	40~60	1.1	4	7.5~15	30~60
HSA-120	3,950	1,460	1,170	1,700	2.2	40~52	2.2	4	15~30	60~120

\*1 Since the feeding amount is of fresh leaf conversion, the real weight is different.

※Part of the specifications might be changed for improvement.

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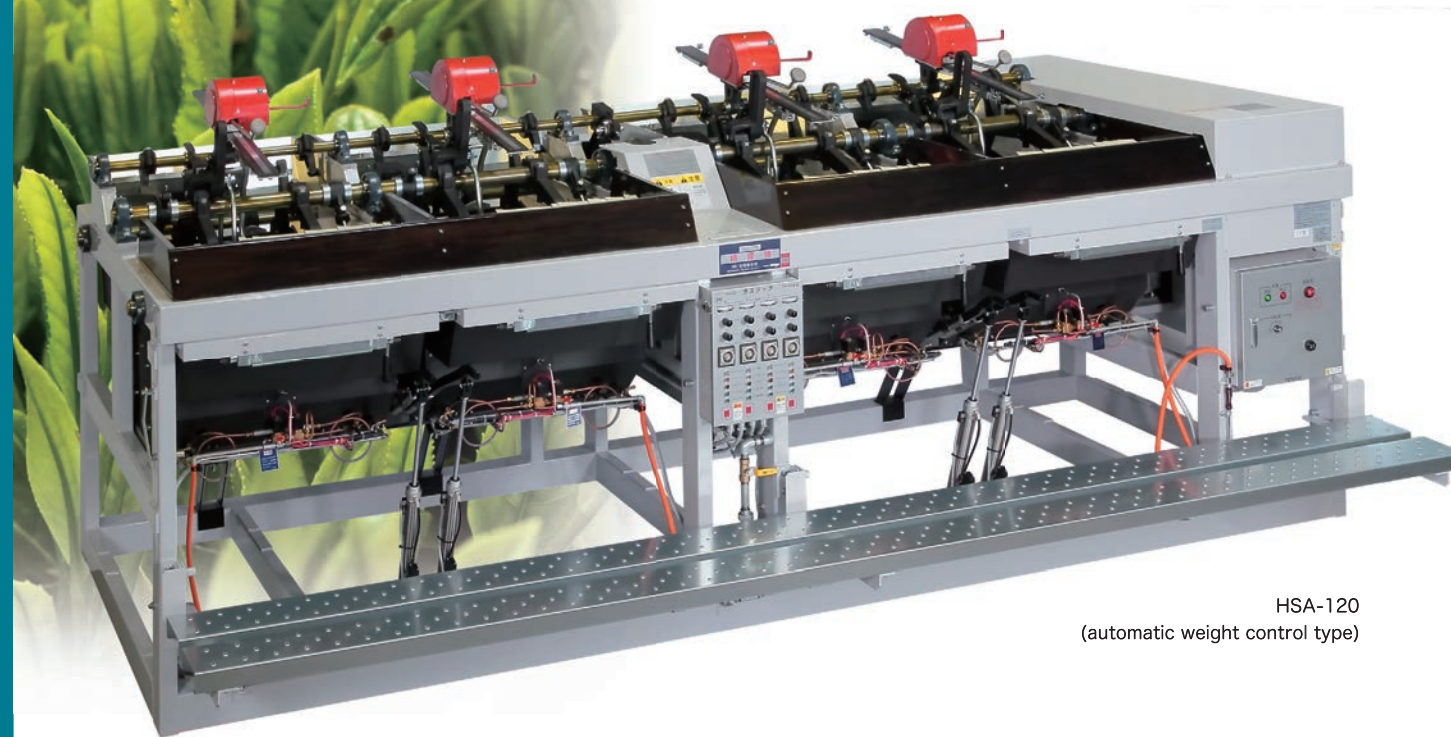
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## Final tea rolling dryer HSA-120



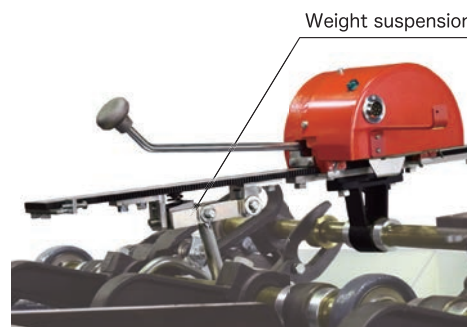
HSA-120  
(automatic weight control type)

Weight suspension loading, high quality hand rubbing is implied with exquisite balance.

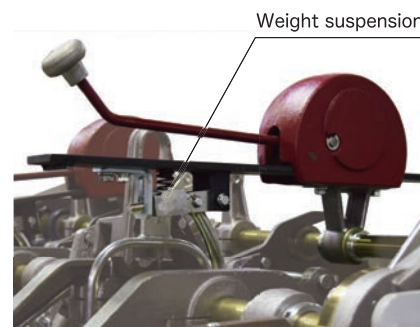
### Structure pursued quality • hygiene

#### Weight

- Improved tea leaf holding efficiency with weight pressure cushion by weight suspension between weight & rubbing board. Tea finishes more thinner in shape & with gloss according to this.



HSA-120 (Automatic weight type)



HSA-60,60H (Manual weight type)

#### S type rubbing board (HSA-120)

- Does not block tea leaf movement since tea dust does not gather in the rubbing board slot groove.
- Does not drop water color & aroma since tea dust does not gather.



#### Resin belt type rotating broom

- Since rotating broom is resin belt type, foreign material mixing to product & stain entering to broom won't occur. ※Already patented



HSA-120

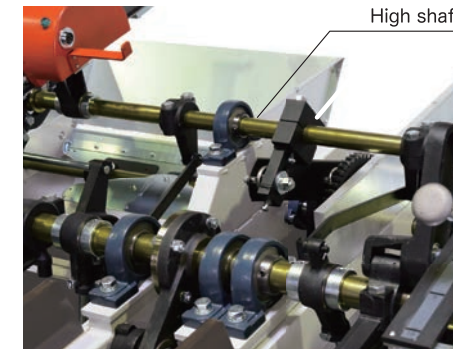


HSA-60,60H

### Driving part related HSA-120

#### Driving part

- Since the moving part is chainless, it is excellent in maintainability.
- It starts moving slowly according to the inverter control, safe and excellent in quietness.
- Improved the durability by moving the high shaft motor to the center of the machine.

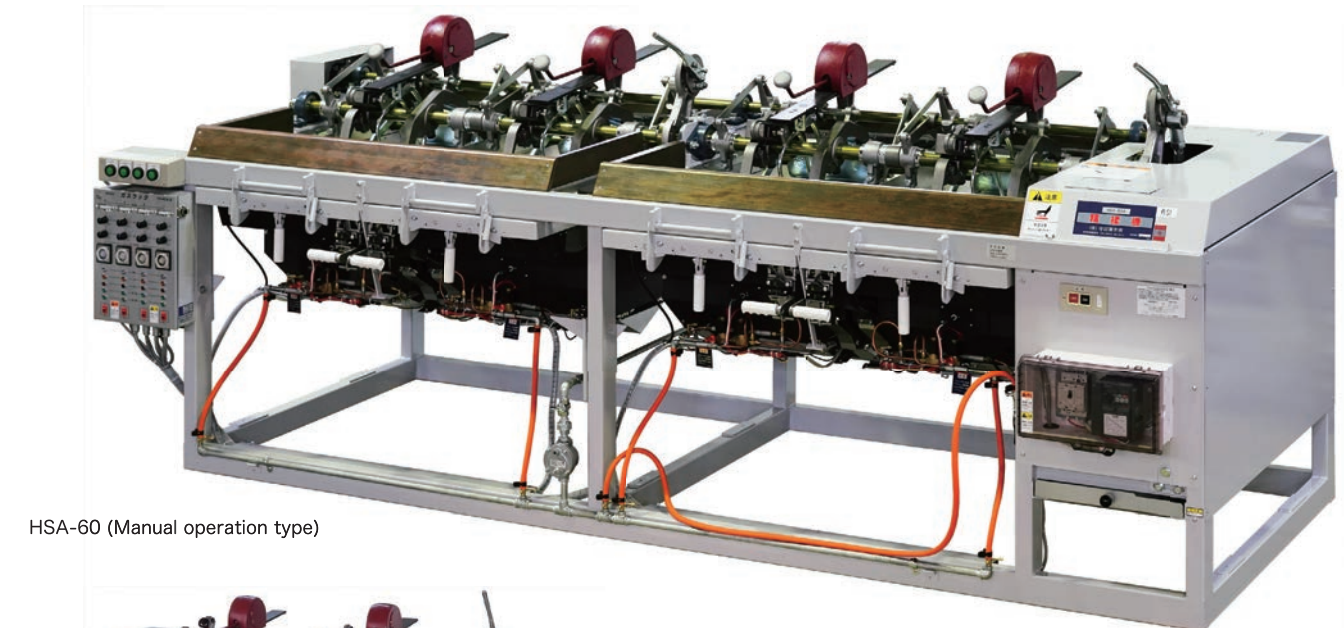
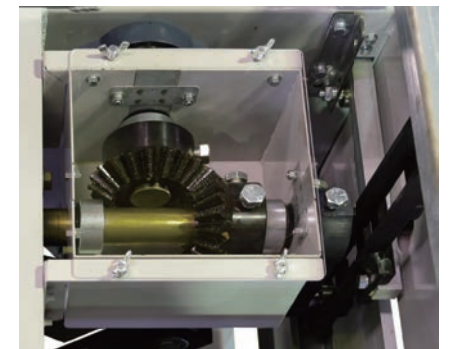


High shaft



#### Driving part

- Made it maintenance free by making the bevel gear to oil box and prevents leaking oil & grease with high durability & excellent quietness.
- Improved the durability & quietness by using bearing to the shaft of curved plate.



HSA-60 (Manual operation type)



HSA-60H (Manual operation type)

The specialty of Terada final tea rolling dryer is finishes to thin, sharp and bright color even with rough operation. Weight suspension, implemented weight adding, weight releasing as hand rubbing. It is easy to use for anybody and best rubbing is possible with any kind of tea leaf. It is ranked in main tea agricultural areas and highly trusted since it is hard & highly durable.

Combination of traditional technique & developed technology.

## Final tea rolling dryer HSA-60H,60