



Quanzhou Famous Trademark

Tea drum fixation machine

User's manual

Anxi Yongxing Machinery Co., Ltd.

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Catalog attached table , product information

Overview:

This instruction manual is an integral part of the machine. It is recommended that the supplier of the new machine or the second mobile phone should keep relevant documents to prove that the instruction manual and the machine are provided to the user at the same time.

The intended use of the machine:

The products mentioned in this instruction manual are only used for the work in the production of high-grade tea, and other operations are contrary to the intended use of the product. Strictly observe the conditions of use, maintenance and repair specified by the manufacturer, as well as the basic requirements for the intended use.

The products mentioned in this instruction manual can only be operated, maintained and repaired by personnel who are familiar with the characteristics of the machine and have relevant safety operating knowledge.

Rules and other safety regulations and rules to prevent accidents must be observed at all times.

The manufacturer is not responsible for any reduction in machine reliability, machine damage or personal injury caused by unauthorized modifications to the products mentioned in this instruction manual.

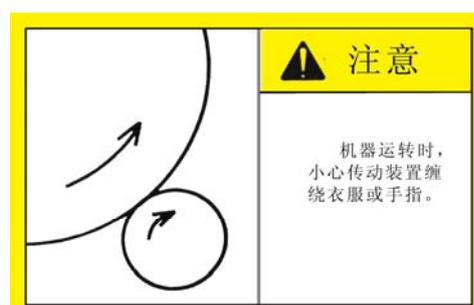
Safety precautions

First, the safety warning sign

In this instruction manual, the safety warning flag prompts important safety information. When you see the following symbols, you should alert you to possible injuries, read the information in the symbols below carefully, and tell the other operators.

安全标志例图

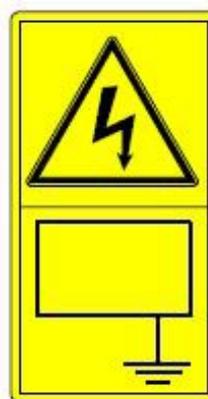
6CST30 (A/100)(a) Tea drum fixation machine warning signs



attached to the sprocket shield. Sticking to a prominent place near the roller



Affixed to the eye of the shell



Attached to the belt wheel shield. Attached to the bottom frame grounding bolt

Second, for the safety of you and others, please note the following security matters:

1. Check the quantity of parts according to the list, keep it safe, avoid loss, please check the tea carefully during installation.
- The leaf roller squeegee lifting hoist is reliable to prevent accidents.
2. Tea roller compactor safety grounding measures: requires access to the power supply itself with good grounding.
3. Users must read this manual carefully before purchasing, installing, or using the products of the company to avoid errors.
4. Carefully implement the regulations and requirements for the use and maintenance of this machine. Special training is required for new operators, and unqualified operators are not allowed to operate the machine.
5. In case of power failure during the operation of the machine, shake the handle to make the tea leaves out of the tube. Before running, the handle should be removed to avoid injury to the handle when the power is turned on.
6. There is high temperature in the furnace, pay attention to keep the distance.

7. When the machine is running, be careful of the chain or the toothed belt drive around the hand or arm.
8. For your safety, please make sure to connect a ground wire to the outer casing of the machine. The grounding wire can be fixed at any threaded joint of the machine base. The contact must be good.
9. The factory's diesel-fired (burning coal or diesel) products use closed furnaces and flue ducts, and the chimney height has been carefully studied. Do not arbitrarily cut or stack the chimneys at random, and do not use any other lengths to avoid burning or excessive heat loss, which will affect the quality of your tea.
10. The gas-fired tea machine is suitable for liquefied petroleum gas (usually referred to as gas). If piped gas or natural gas is used, the gas stove must be changed accordingly. In addition, the gas stove should be selected according to the instructions.
11. Do not wear loose clothes that are easily caught in rotating parts during operation. Long-haired wearers must wear safety helmets. The operator must not leave the machine during use. Do not touch the rotating parts. Do not continue to operate the machine under fatigue or drinking conditions. Non-operators should not use the machine.
12. When the machine is turning, it is strictly forbidden to put the hand and other appliances into the same transfer; non-operators and children should not be near the machine.
13. The machine used should have a person responsible for operation, inspection and maintenance. Always turn off the power during inspection and maintenance. During operation, if there is a power outage, be sure to turn off the power immediately.
14. In case of thunderstorms, do not use it. The power must be cut off to prevent lightning damage to electrical components and personal accidents.
15. Turn off the power supply (blade) after the work is finished to avoid accidents such as fire.
16. Always check the joints of the machine and the machine entry line for scorch. The entry line should use a dedicated line. The electrical system should be maintained and maintained frequently. It is found that the wires are damaged and aging should be replaced immediately.
17. In addition to repairs, the safety shield must not be removed at will to avoid injury.

Chapter i Product Profile Tea drum fixation machine is suitable for the

production of famous high-grade tea fixation process. It can achieve the destruction of enzymes in fresh leaves, stop the oxidation of polyphenols, and emit water, so that the fresh leaves soft to achieve the purpose of fixation. the series machine can carry on the fixation operation continuously, has the easy operation, saves the Labor, kills the fixation leaf ,uniform, high color and green, stable quality, so that the production of famous tea color verdant, fragrant overflowing. The machine adopts friction drive and the movement is

smooth. 6CST30 (a) tea drum fixation machine drum inclination is adjustable, that is, the length of fixation time can be regulated.

Chapter II Product Instance pictures, main technical parameters and performance



6CST30 (a) tea drum fixation machine pictures



6CST60 (a)tea drum fixation machine pictures

Main technical parameters and performance of tea drum fixation machine

6CST-30 (a) Main technical parameters of tea drum fixation machine

Project		Unit of Measure	6CST-30	6CST-40
diameter x length of cylinder body		Mm	φ300x1330	φ400x1800
Main motor Power		Kw,v	0.37,220 (380)	0.55,220 (380)
Roller speed		R/min	37-41	28-32
Fixation Time		S	12-120	45-90
Fixation temperature		°C	110-120	110-120
Water content of fixation leaves		%	58-62	58-62
Moderate rate of fixation leaves		%	≥90	≥90
The deterioration rate of fixation leaves		%	≤2.0	≤2.0
Fixation energy consumption	Coal type	Kg coal/kg tea	≤0.35	≤0.35
	Electro-	KW h/kgTea	≤1.03	≤1.03
Total power of electric heating pipe		KW	11.4	20.5
Hours processing capacity		kg/h	≥25	≥40

Weight of the whole machine	Kg	Electricity 230, coal 320	Electricity 360, coal 500, gas 334
Dimensions (length × width × height)	Mm	1870x570x1180mm Diesel Coal Type (except chimney height)	2385x760x1400mm Diesel coal type, gas type (except chimney height)
		1870x570x1070mm Electric heating Type	2398x757x1260mm Electric heating Type

6CST50 Main technical parameters of tea drum fixation machine

Item		Units	6CST50D	6CST50 (C)	6CST50Q
Drum	Diameter	Mm	φ500	φ500	φ500
	length	Mm	2200	2200	2200
	Speed	R/min	33	33	33
Fixation temperature		°C	110~120 (adjustable)	110~120	110~120 (adjustable)
Fixation Time		Min	Around1.5	Around1.5	Around1.5
Water content of fixation leaves		%	58~62	58~62	58~62
Moderate rate of fixation leaves		%	≥90	≥90	≥90

The deterioration rate of fixation leaves		%	≤2.0	≤2.0	≤2.0
Production at the station		kg/h	50	50	50
Fixation energy consumption	Coal type	Kg coal/kg tea	/	≤0.35	≤0.35
	Electro-	KW h/kgTea	≤1.03	/	/
Total power of electric heating pipe		KW	24	/	/
Motor Power		KW	0.75	0.75	0.75
Weight of the whole machine		Kg	482	1044	480
Dimensions (length × width × height)		Mm	3000x840x1350	3000x800x1560	3000x800x1580

6CST-60 (a) main technical parameters of tea drum fixation machine

Project	Unit	6CST-60	6CST-70	6CST-80
diameter x length of cylinder body	Mm	φ600x3000	φ700x4000	φ800x 4000
Number of Guide Blades	Film	5	6	6
Moisture Exhaust Fan Type power	KW	DZT-3W-2.5D Pipeline Disposal shaft Flow fan /0.37		
Total time of fixation	Min	2.5-3.5		

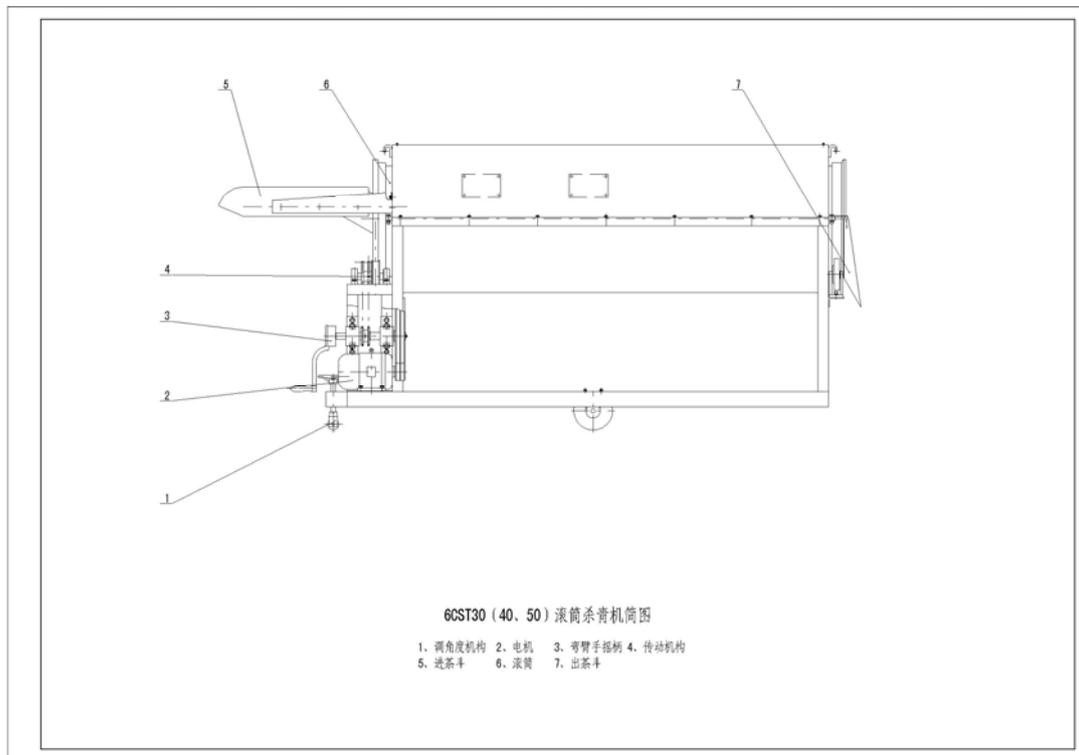
Motor model		y90s- 6	Y901-6	Y901-6
Motor Power	Kw,v	0.75 (380V)	1.1 (380V)	1.1 (380V)
Host speed	R/min	28- \$	28-29	28- \$
Hours processing capacity	kg/h	≥120	≥160	≥200
Fixation temperature	°C	110-120	110-120	110-120
Water content of fixation leaves	%	58-62	58-62	58-62
Moderate rate of fixation leaves	%	≥90	≥90	≥90
The deterioration rate of fixation leaves	%	≤2.0	≤2.0	≤2.0
Electric Furnace Wire Power (Electrothermal type)	KW	60		
Coal consumption	Kg coal/kg Tea	≤0.35	≤0.35	≤0.35
Weight of the whole machine	Kg	1878	2816	3104
Dimensions (length × width × height)	Mm	3500x900x1516 (electrothermal type) 4060x990x2190 (Diesel coal type)	5050x1100x2800 (Diesel coal type)	5050x1190x2800 (Diesel coal type)

6CST-100 Main technical parameters of tea drum fixation machine

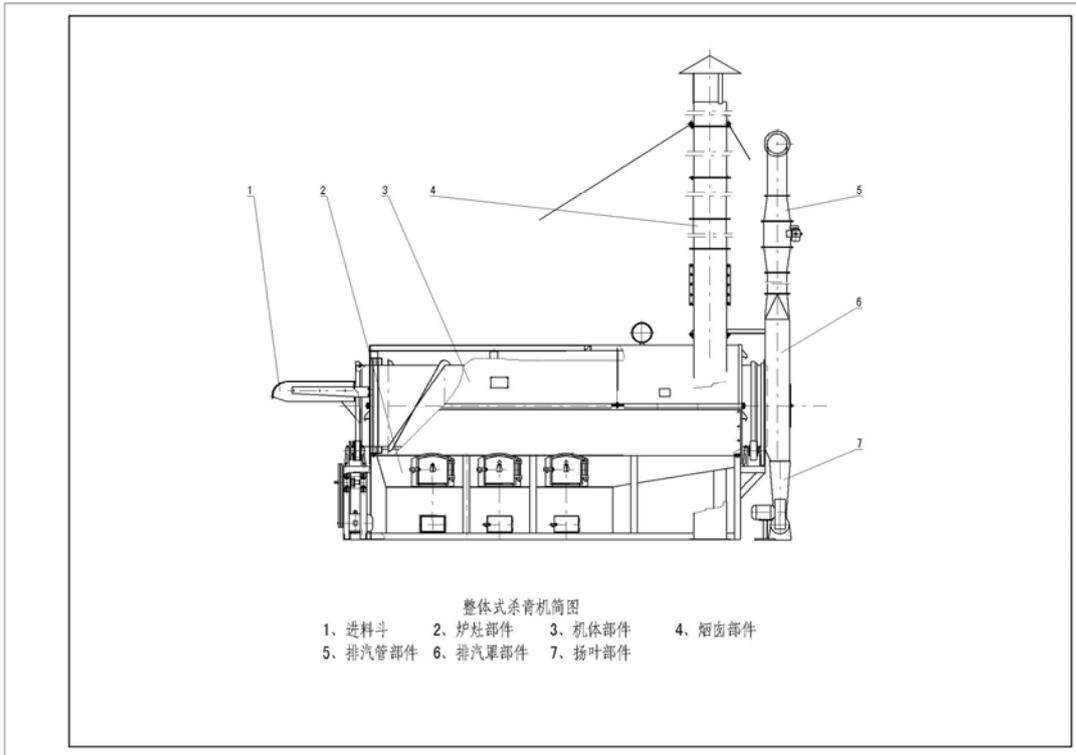
Project	Unit	6CST-100
Cylinder Inner diameter x length	Mm	As1000x 5000
Number of Guide Blades	Film	6
Moisture Exhaust Fan Type power	KW	DZT-3W-3.2D Pipeline external axial flow fan /0.37
Total time of fixation	Min	3-4.5
Main Motor Model		Y90L-4
Main motor Power	Kw,v	1.5 (380V)
Main motor speed	R/min	28- \$
Power of the whole machine	KW	3.91
Hours processing capacity	kg/h	≥400
Fixation temperature	°C	110-120
Water content of fixation leaves	%	58-62
Moderate rate of fixation leaves	%	≥90
The deterioration rate of fixation leaves	%	≤2.0
Coal consumption	KGcoal/kgTea	≤0.35
Weight of the whole machine	Kg	4380

Dimensions (length × width × height)	Mm	5930x1430x2450
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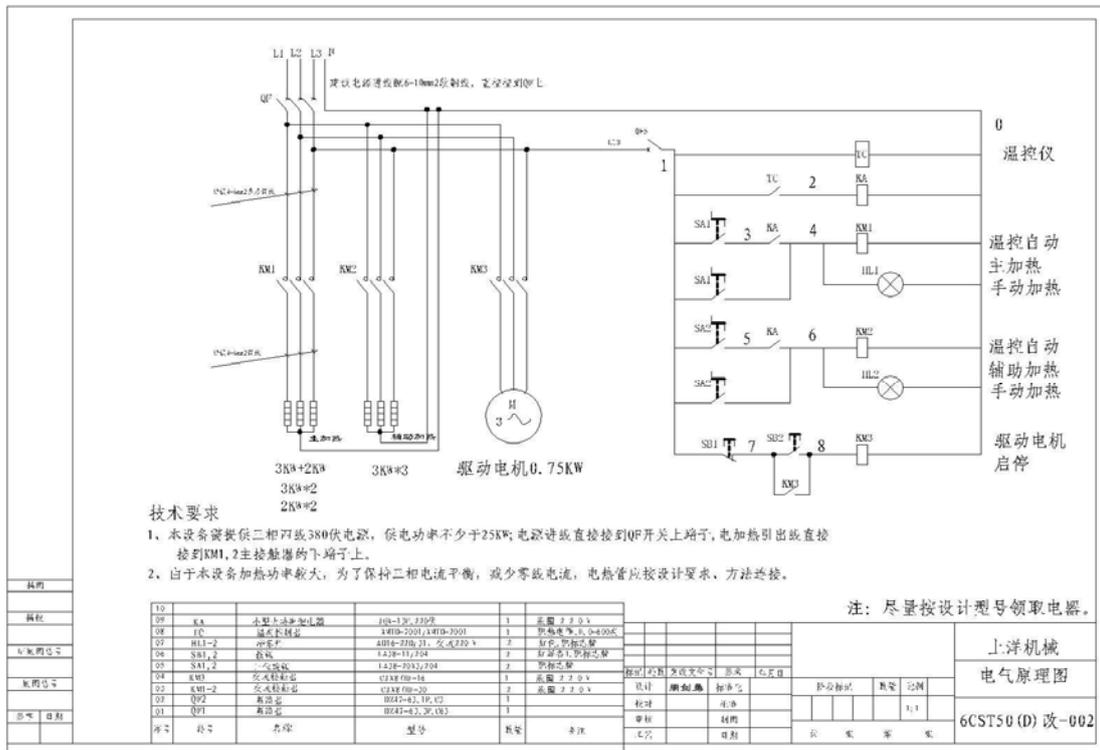
Chapter III product structure diagram and electrical schematic diagram



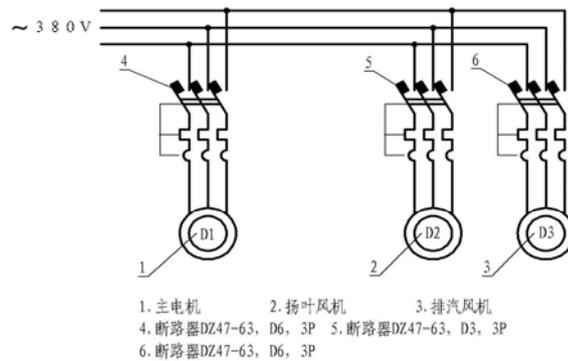
The schematic is 6CST30 (40, 50) tea drum fixation machine



The schematic is 6CST60 (70、80、100) tea drum fixation machine



The schematic is 6CST50 (D) electrical schematic



6CST60 (70、80、100) 茶叶滚筒杀青机电器原理图

The schematic is 6CST60 (70、80、100) electrical schematic

Working Principle

After the tea is put into the leaf end from the greening machine, the evenly distributed guide vanes in the drum continuously lift the tea to a high position, and the tea leaves moving forward. The 6CST30 (40, 50) tea drum machine can also adjust the tilt angle. The speed at which the material moves forward is the adjustment time.

Chapter IV, use and Operation of transport, installation and adjustment

(1) use and operation

1. During the operation of the drum, the cylinder is heated; when the cylinder reaches the temperature required for the greening process
 After that, the leaves are manually started, and the dehumidification device should start the exhausting fan.
2. Gas-fired Press the ignition button two seconds after opening the gas ball valve main switch to ignite the entire burner.
 After the igniter has been delayed, if the burner does not ignite, immediately close the ball valve switch and re-ignite.

3, during the operation of the greening should always check the quality of the green leaves, by controlling the amount of tea to ensure the fixation leaves

The quality of the furnace can also be adjusted to meet the requirements of tea.

4. During the operation of the greening operation, attention should be paid to the operation of the whole machine. When abnormal sound or malfunction is found, it should be stopped immediately and quickly annealed. At the same time, the handle is sleeved on the drive shaft, and the handle is driven to drive the roller. On the one hand, the tea leaves in the cylinder are discharged. On the one hand, avoid the deformation of the cylinder due to local heating; after inspection, after troubleshooting, in order to improve the quality of your tea, please be sure to remove the residual leaves in the cylinder before continuing to cast the leaves.

5. After the completion of the fixation, it is necessary to retreat the residual fire and residual slag in the furnace. When the furnace temperature drops below 60 °C, the rotation of the main machine can be stopped to avoid the bending deformation of the cylinder due to local heating, which affects the normal operation of the main engine. Remove the remaining leaves in the cylinder and clean the working surface of the machine and the surrounding environment.

6. When the gas type is used, turn off the knob switch, then close the ball valve switch, and finally turn off the gas source.
turn off.

7. When the power is off, the rocker should be placed on the drive shaft, and the handle should be shaken to make the drum rotate and the tea leaves in the cylinder.

8. At the end of the tea season, the whole machine should be repaired once, especially the supporting wheel and its bearings. If it is worn, it should be replaced in time, and the cleaning machine should be repaired.

9. Handling precautions for coal-fired stoves

a, The height of the pipe of the 16CST70, 80 coal-burning machine is 11.8 meters (that is, a chimney base is 2.8 meters, 3 straight tobacco pipes each with 3 meters each, one of which has a chimney cap), such as less than 11.8 meters, both ends of the roller Black smoke will leak. The top of the pipe must be secured with 4 wire ropes to prevent it from tipping over.

b, The stove for coal-burning machine, 6CST60 for two furnace doors, 6CST70, 80, 100 for three furnace doors, when burning, the first stove (near the tip of the throwing blade) should have the highest fire, the second stove fire It should be smaller than the previous one, and the fire of the third stove should be the smallest.

c, The 36CST100 coal burning machine has a pipe height of 12 meters (ie 3 meters for one chimney base, 3 meters for each section of straight tobacco pipe, one with a chimney cap), such as less than 12 meters, two rollers for the machine The end will leak black smoke. The top of the pipe must be secured with 4 wire ropes to prevent it from tipping over.

(2) Transportation, installation and adjustment

1. The tea drum crusher is required to be placed smoothly and cannot be twisted during transportation.
2. This machine does not use anchor screws, as long as it is installed on a flat concrete floor, it can be smooth.
3. Installation method of self-laying stove type drum machine: Before installation, select the address at the wall and prepare the installation plan. The furnace door and the moisture outlet should be installed outside the wall. Conducive to indoor cleanliness, and then according to the requirements of the stove assembly drawing, build the stove and the wheel base cement block below the axis of the cylinder, fix the bracket wheel assembly cylinder, build the stove above the cylinder axis, build the chimney, and finally install the drive. The frame is fixed into the tea bucket. The bucket mouth must extend into the cylinder and maintain a certain gap so that the cylinder does not touch the machine when it is rotated. After the assembly is completed without interference, reinstall the electrical circuit.
4. It is necessary to carefully check whether the voltage of the power supply is consistent with the voltage of the appliance selected by the product, and connect the ground wire and the electric shock protector to ensure the safety of your personal and equipment.
5. Make a comprehensive inspection of each transmission piece, drive sprocket, bearing seat, rolling roller, triangle wheel pulley including motor and transmission mechanism, whether the bolts and screws are tightened, and whether the lubrication points are full of lubricating oil.
6. Do not add lubricating oil (fat) between the main wheel and the large transmission wheel of the drum.
7. Turn on the power to start the machine running dry, check whether the transmission mechanism is running normally, whether the drum running direction is correct, the drum and mechanism are running smoothly, normal, no jamming and abnormal sound.

Chapter V Maintenance

1. Before use, it should be cleaned up, except for the dirt in the cylinder, so as to avoid contamination of the green leaves. Clean up the surroundings.
2. Rotate the machine with the rocking handle to observe whether the rotating parts are flexible, whether there is any jamming or abnormality.
3. Make a comprehensive inspection of the rotating parts, the drive sprocket, the bearing seat and the rolling roller including the motor and the transmission mechanism. The bolts and screws are tightened. Whether the lubrication points are on the lubricating oil (the roller and the roller shaft) It is forbidden to add lubricating oil or grease to the suite).
4. Start the machine for trial operation and observe whether the whole machine is running normally. If abnormality is found, it should be stopped immediately for maintenance.
5. Check whether the rotation direction of the main and auxiliary machines is correct (the drum operation should be clockwise from the feeding end). The electrical equipment should be safe and reliable.

6. Pay attention to the temperature rise of the motor and various parts of the bearing during the operation of the machine. The motor temperature does not exceed 70 ° C, the temperature rise of each rolling bearing does not exceed 35 ° C, if there is abnormal phenomenon should stop to check, after troubleshooting, can work.
7. At the end of each tea season, the whole machine should be inspected and repaired, especially the supporting wheel and its bearings. If the wear exceeds the limit, it should be replaced in time, and the cleaning machine should be repaired.

Chapter VI, faults and exclusions seventh chapter wear

Parts

S/N	Fault phenomenon	Cause analysis	Exclusion method
1	The drum does not operate flexibly or does not turn	1, the motor is running in the wrong direction. 2, the active wheel and the drum rubbing the active bushing between the oil or debris. 3. Long storage time, cylinder body and upper The lower shell insulation material is bonded.	1, interchangeable three-phase motor, any two-junction The line position. 2, clean the grease between the rubbing body and remove debris. 3, hand plate drum rotation 2-3 minutes, open The operation of the machine on the leading wheel to increase the coarse sand Rubbing force
2	Fixation leaves Old red Terrier, red leaf present	1, fixation time is not reasonable. 2, uneven leaf volume, too little or Excessive. 3, fixation temperature is not normal. 4, fresh leaf picking is not standard or aqueous	1, adjust the fixation time correctly. 2, leaf volume should be uniform and consistent, avoid How little. 3, accurate control of combustion or heating device fire Force distribution.

		Rate does not meet the requirements.	4, fresh leaves should be amortized treatment, and Strictly Picking standards.
3	Roller leaf Outlet There is a sticky leaf phenomenon	Low temperature at the mouth of the leaves	Extend preheating time and increase temperature at outlet So that the firepower extends to the outlet of the leaf.
4	Smoke leakage phenomenon of wood-coal stove	1, damage to the smoke-retaining site 2, chimney installation is not unreasonable 3, smoke outlet against the wind installation	1, check the smoke leak site 2, increase the height of the chimney (about 3 meters) 3. Adjust the direction of the smoke outlet
5	Motor does not turn	1, power supply phase or no work 0 lines 2, motor burnout 3, poor wiring	1. Check the line 2. Replace the motor 3, check, replace the wiring end
6	Far Infrared Electric heat pipe Heat source Device Heating Insufficient temperature	1, power supply phase or no work 0 lines 2, poor wiring 3. Damage to electric heat pipe	1. Check the line 2, check, replace the wiring end 3. Replace the electric heat pipe

Chapter VII, Wear parts

S/N	Models	Name & specification	Number	Note
1	6CST30 Tea drum fixation machine	Triangle tape type A	1	L=940
		Triangle tape type A	1	L=1067
2	6CST40 Tea drum fixation machine	Triangle tape type A	1	L=1041
		Triangle tape type A	2	L=1067
3	6CST50 Tea drum fixation machine	Triangle Belt type B	2	L=1370
4	6CST60 Tea drum fixation machine	Triangle tape type B	2	L=1250
5	6CST70 Tea drum fixation machine	Triangle tape type B	2	L=1626
6	6CST80 Tea drum fixation machine	Triangle tape type B	2	L=1626
7	6CST100 Tea drum fixation machine	Triangle tape type B	2	L=1800

Chapter VIII, stand-alone complete sets and spare parts delivery

6CST30/40 , the shipment Checklist

S/N	Graphic No.	Name	Number	Note	
1	6CST30, 40	Tea fixation machine	1 Units		
2	6CST30-19.02	Straight flue pipe	3	With 6CST30 Specially equipped with diesel coal type	
3	6CST40-09.02		3		With 6CST40
4	6CST30-19.02F	Chimney Top Pipe	1		With 6CST30
5	6CST40-09.02F		1		With 6CST40
6	6CST30-19.01		2		With 6CST30

7	6CST40-09.03	Bend Pipe Fittings	2	With 6CST40
8	KYT-25	Small fan	1	Single machine, 220V, 38W
9	GB5780-86	Hexagonal Bolt m8x45	4	Payment
10	GB5781-85	semicircle Head screw m6x45	1	Payment
11		Instructions	1	copies
12		Three-Pack Service brochure	1	copies
13		Product Certification	1	copies

6CST50 shipment Checklist

Serial number	Graphic No.	Name	Number	Note
1	6CST50	Tea fixation machine	1 Units	
2	KYT-25	Small fan	1 Units	Single machine, 220V, 38W
3	6CST80.8000	Bend arm Handshake Handle	1 PCs	
4	6CST50E-04/02	Chimney Base	1 PCs	6CST50D, 6CST50Qdon't .
5	6CST50E-04/03	Sealing rings	4 PCs	6CST50D, 6CST50Qdon't .
6	6CST50E-04/04	Chimney Bend Pipe	1 PCs	6CST50D, 6CST50Qdon't .

7	6CST50E-04/05	chimney Transverse pipe	1 PCs	6CST50D, 6CST50Qdon't .
8	6CST50E-04/06	Chimney 1	1 PCs	6CST50D, 6CST50Qdon't .
9	6CST50E-04/07	Chimney 2	1 PCs	6CST50D, 6CST50Qdon't .
10	DF5	fan (right- handed 180° ,with adjustable valve , rectangul ar connecting flange)	1 Units	6CST50D, 6CST50Qdon't .
11	GB5780-86	Hexagonal head bolt m8x35	4Paymen t	
12	GB5780-86	Hexagonal head bolt m10x25	\$	6CST50D, 6CST50Qdon't .
13	GB12-88	semicircle Head screw m6x45	1Paymen t	
14		Expansion Bolt m10x120	5Paymen t	6CST50D, 6CST50Qdon't .
15	6CST50D-04F	Leaf Parts	1 PCs	Selection
16	DF6	Yang Ye fan	1 PCs	Selection
17		Instructions	1copies	
18		Three-Pack Service brochure	1copies	
19		Product Certification	1copies	

6CST60 All-metal monolithic drum fixation machine delivery list

Serial number	Code	Name	Number	Note
1	6CST60	Tea fixation machine	1	
2	6CST60B.5100	Chimney Mouth Components	1	
3	6CST60.5102	Transition Flue pipe	1	
4	6CST60B.5101	Connecting Cigarette Tubes	1	Choose according to customer requirements
5	6CST60.5200	Chimney Tube	2	
6	6CST60B.5300	Top Cigarette Tube	1	With RainCap
7	6CST60B.2000LA	Inlet Hopper	1	Includes hopper rack
8	DF7	Combustion fan	1	Including Wind rack
9	6CST70.3020	Fan takeover	1	
10	6CST60B.6000	Leaf Parts	1	Single-Machine use
11	DF6	Yang Ye fan	1	Single-machine use, including wind rack
12	6CST80.8000	Rocker HANDLE ASSEMBLY	1	
13	6CST70.210	Straight pipe components (-)	1	

14	6CST70E.240	Tapered Tube Assemblies	2 PCs	
15	DZT-3W-2.5D	Pipeline external shaft circulation Wind Machine	1	0.37kW
16	6CST70.220	Bend Pipe ASSEMBLY	1	
17	6CST70E.250	Straight pipe	1	
18	GB5780-86	Hexagonal Bolt m6x25		One of the fixed chimney mouth assemblies and transitional cigarette Tubes .
19		Expansion screws m10x120	5Payment	Includes gaskets and nuts
20		Instructions	1copies	
21st		Three-Pack Service brochure	1copies	
22		Product Certification	1copies	

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