DongHuaYuan--Dedicated to being smarter

东华原医疗
DONGHUAYUAN MEDICAL

BEIJING DONGHUAYUAN MEDICAL EQUIPMENT CO.,LTD.
Add: No.1 Zhenchao Road,Science&Technology Park,Changping District, Beijing,China.
Hotline:400-888-0258
Website:www.donghuayuan.com
V202305-02

official wechat account

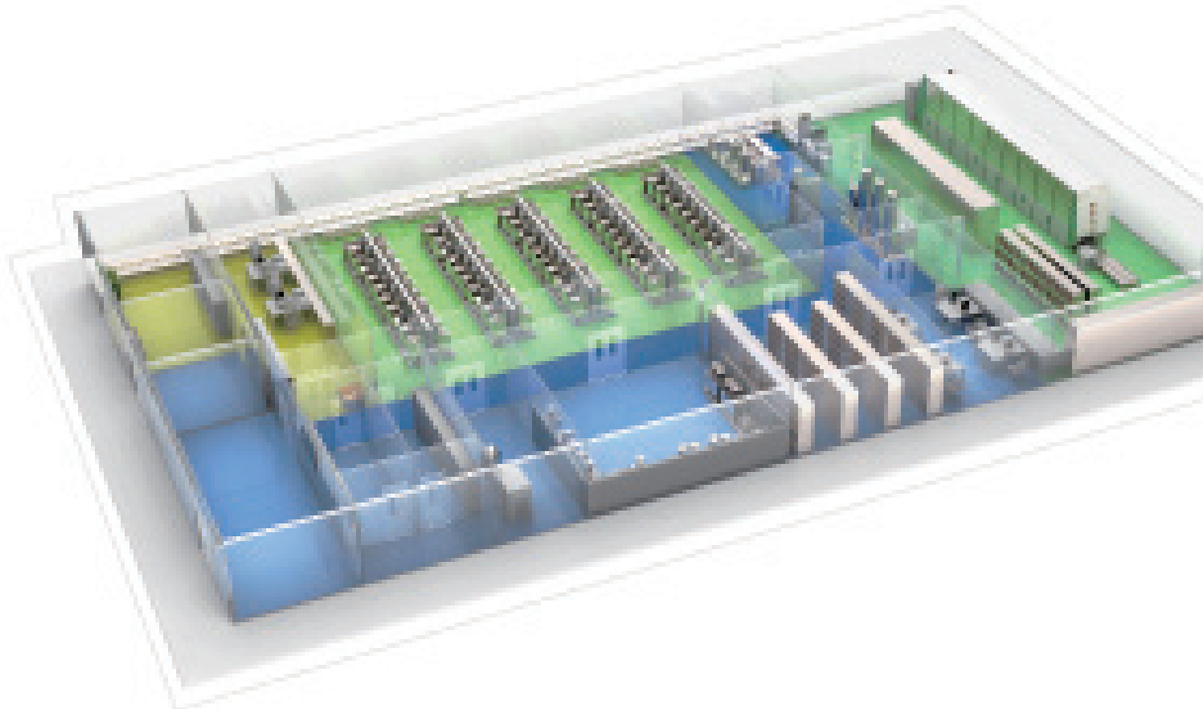
mini app

东华原医疗

TCM pharmacy equipment

Promote TCM to enhance health of human being

- DRAFTING UNIT FOR INDUSTRIAL STANDARD OVER DECOCTING AND PACKAGING EQUIPMENTS
- LEADING DRAFTING UNIT OF NATIONAL STANDARD OVER TCM DECOCTING MACHINE
- UNDERTAKING UNIT OF KEY STUDYING SUBJECT FROM NATIONAL ADMINISTRATION OF TCM
- R&D AND PRODUCING UNIT OF KEY DECOCTING MACHINE PROMOTED NATIONWIDE
- KEY HI-TECH ENTERPRISE UNDER NATIONAL TORCH PLAN
- "LITTLE GIANT" ENTERPRISE IN BEIJING CITY'S SCHEME OVER PROFESSION,PRECISION,SPACIALITY AND NOVELTY PROMOTING PROGRAMME OF BEIJING TORCH SCHEME
- TOP 100 AMONG BEIJING HIGH END,PRECISE AND ADVANCED ENTERPRISES IN 2022



Conbination of traditon and science.

Beijing Donghuayuan Medical Equipment Co., Ltd.(hereinafter referred to as “Donghuayuan“),located in Changping block, Zhongguancun Science and Technology Park, Beijing,was founded in 1991.

Donghuayuan was a key high-tech enterprise under the National Torch Program and a leading supplier of TCM herbal decocting and packaging machines and health examination devices.

Integral Solution for Smart TCM pharmacy

Preparation Equipments for Herbal Medicine

Our portfolio covers 10 series with Over 40 models of equipments,-meeting all kinds of needs such as syrup，Ointment and powder

AUTOMATION

Smart dispensing system for TCM herbal slice,automatic transit system,automatic water-feeding system

Smart control and management for whole work flow

Utilize computer control, Internet of Things, and internet technology to realize traceable control of data throughout the entire process of the decoction process (including receiving, dispensing, reviewing, soaking, decocting, packaging，finished product review, shipment), end customers, equipments and staff, and process quality as well as other aspects.

Quality prevails of all ,service arrives first

Adhering to the service concept of “caring and catering”, we have won appraise and trust from over tens of thousands of end users from research institutes,hospitals, clinics, pharmacies home and abroad. Providing customers with comprehensive after-sales service to eliminate “anymenacefromtherear”.

30+
Branches

700+
Marketing network based on staff

On the path of modernizing development of traditional chinese medicine, we have crossed over the era of decocting with pot and enter the era of automatic decoction machine.By introducing modern advanced technology,the traditional decocting mode is overthrown, a new massive decoction center is established, and a brand new and smart dispensing mode over TCM herbal slices comes into birth.Donghuayuan medical always persists without a stop and strives for innovation and progress, relying on robust research strength and R&D team, we have launched a new series of traditional Chinese medicine decoction machines that meet the requirements of traditional Chinese medicine.

The launch of a new type of decocting machine has opened up a new era in the decocting machine industry and also filled the gap in the industry of automatic twice-decocting machines

More economical---automatic twice decoction

Compliance with industrial, national, and international standards for decocting machines, capable of automatically decocting herbs twice, and automatically mixing the twice decoctions before packaging. Experimental verification shows that the average extracting rate of twice decoctions is 30% higher than that of a single decoction.

More smarter-decocting first and later feeding

It is an important step, which has a critical impact on the quality of the decoction. The smart decocting machine follows the principles of traditional Chinese medicine decoction, During the decocting process,for herbal slices with special texture and feature,the first-decocted and delayed-feeding measure will be taken to ensure the extraction and retention of effective ingredients.

More effective - equally-divided packaging

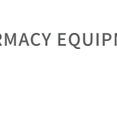
Divide and pack the total amount of decoction evenly to reduce waste, ensure that each dose contains the same amount of medicine, and ensure that each dose meets the dosage requirements of the prescription, to secure the effect.

Standard formulation prevails around the world

Donghuayuan currently leads the development of a total of 25 current effective standards, including 1 international standard, 1 WFCMS standard, 1 national standard, and two industry standards , 1 group standard, and 19 enterprise standards.

◆ Group standard

ZGZYXH/T37-2015 TCM Decocting machine regulation norm.



◆ Industry standards

JB/T20116-2009 LIQUID PACKAGING MACHINE FOR TCM
JB/T20133-2010 TCM DECOCTING MACHINE



◆ WFCMS STANDARD

SCM0024-2018 Basic requrement on standardized decocting center
SCM NP 2022-0147 General technical requirement on automatic dispensing system for TCMherbal slices



◆ NATIONAL STANDARD

GB/T 30219-2013 TCM decocting machine



◆ INTERNATIONAL STANDARD

ISO18665: 2021 Traditional Chinese medicine -- Herbal decoction apparatus



PROJECT SERIES

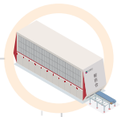
SMART TCM PHARMACY(MODERNIZED DECOCTING CENTER)

SMART SOFTWARE CONTROL AUTOMATIC CONVERYING SYSTEM
AUTOMATIC WATER-INJECTING SYSTEM SOLUTION FOR ALL PREPARATIONS



1、RECEPTION&CHECKING

The electronic prescription transmitted from the hospital can be uploaded to the server through various transmission methods,automatically alerting the reviewer and printing the barcode.



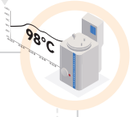
2、dispensing and reviewing

The herbal slices dispensing staff verifies, weighs, grabs, packs, or applies the smart dispensing system according to the prescription.



3、Herbal slices soaking

Before decocting, herbal slices should be thoroughly soaked for at least 30 minutes. Using a matching smart scanning device PDA to scan barcode to input data into the system.The soaking time is strictly controled to prevent manual errors, and ensure the efficacy.



4、Decocting herbal slices

PDA scans the barcode on the dispensing form, sytem will allocate an idle decocting machine, and transfer the decocting plan to it and set decocting parameters automatically to avoid manual errors.



5、Packaging

Using PDA to scan dispensing form, the sytem will send packaging instructions to the packaging machine, and the packaging machine begins packaging. Meanwhile, the barcode label printer will print the packaging barcode, obeying the principle “Whose medicine is packaged, whose label is pasted”, which is convenient and efficient.



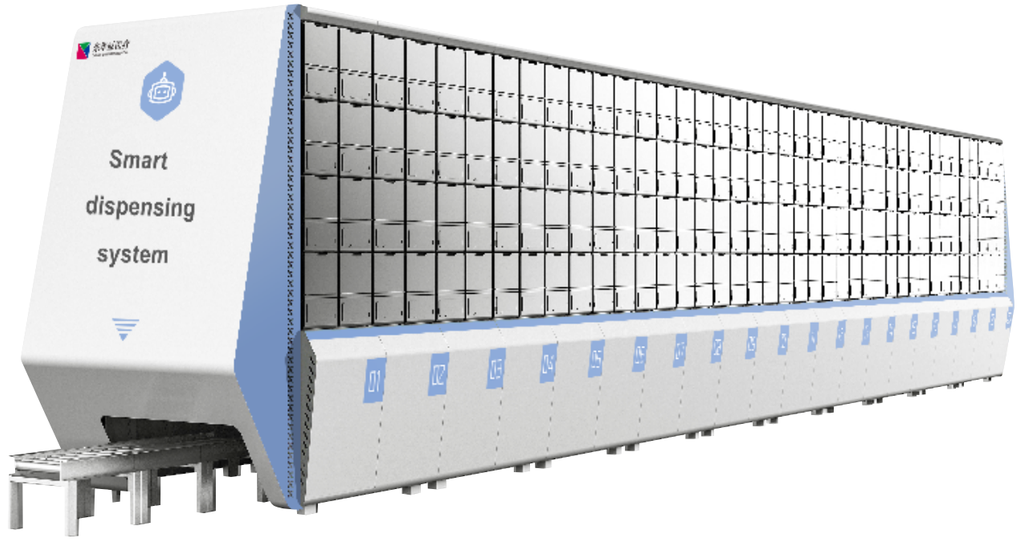
6、 Logistics

TCM solution packaged in pouch is collectively stored in the distribution area and is to be delivered out by scanning. Inform patients through SMS, WeChat, and other means, and then the logistics company will deliver to the patients' hands.

Smart dispensing system for TCM herbal slice

Dispensing deviation is 2%-5%
Dispensing time is 10-15seconds/ dose for single prescription

Volume per each cell: 35L（standard）/75L（extented)
Dispensing manpower could be saved significantly and the system operates automatically.



Scope of application

Decocting center and Smart TCM pharmacy of medical institutions. Seamless conversion between single dose dispensing and multiple doses dispensing.

Management informatization

The system is networked, automatically communicating with the herbal slice warehouse, and linked to the HIS to automatically generate a list. Precaution of expiration and overstock facilitates users’ daily management of inventory.

Cost control

Saving manpower by 60-85%, effectively reducing various errors in manual operations.

Efficiency advantages

With automatic engineering, it can continuously handle more than 250 m3/h, reaching the level of the existing massive TCM collective dispensing center.

Quality Control

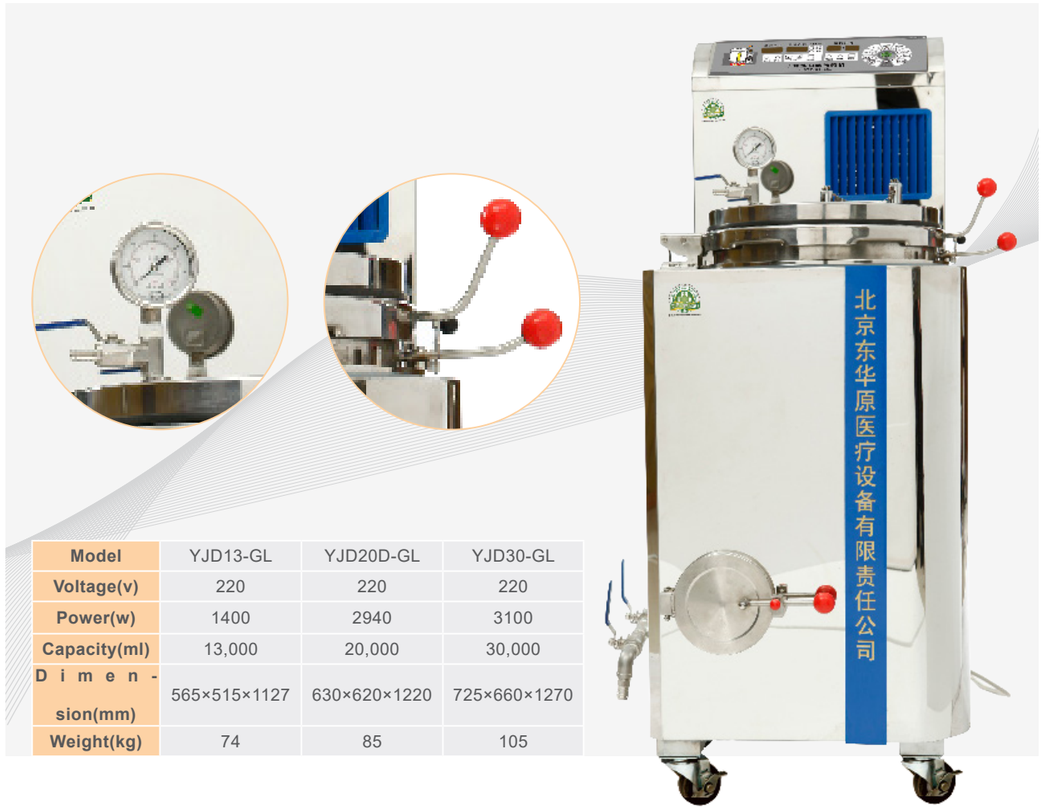
Adopting multiple national and industry standards to effectively reduce the possibility of cheating and eliminate the risks of fake herbal slice.

Work environment

Automatic operation in an enclosed space, avoiding dust emission,without noise pollution, and ensuring the physical and mental health of
staff.

Ten-function automatic decocting machine series

Ten-function automatic decocting machine
YJD13-GL \ YJD20D-GL \ YJD30-GL



Model	YJD13-GL	YJD20D-GL	YJD30-GL
Voltage(v)	220	220	220
Power(w)	1400	2940	3100
Capacity(ml)	13,000	20,000	30,000
Dimension(mm)	565×515×1127	630×620×1220	725×660×1270
Weight(kg)	74	85	105

>Automatic: twice-decocting function:conforming to national norm, increasing the efficacy by 30%
>Safety guarantee: preventing high temperature and dry burning function
>Electric extrusion function: achieving automatic separation of dregs
>Automatic heating adjustment: automatic control and conversion function between gentle fire and strong fire
>Automatic stirring function: improving the extracting rate
>Sliding lid function: easy and fast operation, safe and reliable
> Atmospheric decoction function: retaining the feature of traditional decoction method
>CNC decoction timing function: with higher control accuracy
>Decocted first and later fed: meeting the needs of different prescriptions
>Steam condensation function: odorless decoction, improving the environment
>Automatic water feeding&metering function: accurately controlling the amount of water fed
>Automatic heating and sterilization function: extending the shelf life of the finished solution
>Automatic cleaning function: more hygienic and clean

Ten-function automatic decocting machine YJMD20-GL



>Adopting ergonomic design, beautiful and fashionable, easy to operate,and easy to clean and maintain
>Equipped with an 8-inch large LCD touch screen operating panel, simple and stylish
>Equipped with lid opening assisting function, saving time and effort
>The vertical design of the storage barrel for twice decoctions facilitates cleaning, preventing the retention of extracted solution, and cross contamination
>Real-time display on LCD screen, easy to observe, safe and reliable
>During decocting process, it can be automatically stirred. Thanks to being equipped with electric extruding function, the ingredient residue can be automatically separated

Model	YJMD20-GL
Voltage(v)	220±10%
Power(w)	2940
Capacity(L)	20
Dimension(mm)	784×604×1300

Fully-automatic smart decocting machine YJZ20A-GL



>Multiple decocting modes

First-decocted mode or later-fed mode:

According to feature of the herbal slices (surface relieving, plain, nutritious,-three decocting solution are optional.

Twice-decocting modes:

According to feature of the herbal slices (surface relieving, plain, nutritious,-three decocting solution are optional.

Tailored mode:

Users can freely set decoction time in tailored mode, more convenient and friendly.

>Cleaning and drainage functions
>Twice-decocting mode: emitting first decocted solution and water feeding for second decoction.
>High temperature sterilization function
>Automatic-stirring function
>Electric extrusion and automatic separation of decoction residue function
>Automatic conversion function between gentle fire and strong fire
>Temperature-maintaining function
>Run/Pause Function

Model	YJZ20A-GL
Voltage(v)	220
Power(w)	3750
Capacity(ml)	20,000
Dimension(mm)	1120×598×1260

Atmospheric series

Atmospheric decocting and packaging machine
YJ20/1+1(50-250)

Atmospheric decocting and packaging machine
J20/2+1(50-250)

Atmospheric decocting and packaging machine
YJ20/3+1(50-250)



>Combination of decocting and packaging, compact and reasonable, beautiful and generous, space-saving
>Automatic conversion of gentle and strong fire
>Atmospheric condition, 1-3 different prescriptions could be processed simultaneously, and each pot can process 3-12 doses.
>Automatic display of high temperature time (boiling time)
>CNC technology with high control accuracy
>The cylinder is made of glass, and the decoction process is clearly visible

Model	YJ20/1+1(50-250)	YJ20/2+1(50-250)	YJ20/3+1(50-250)
Capacity(ml)	20,000	20,000×2	20,000×3
Power(w)	2800	4800	6800
Dimension(mm)	560×560×1250	1170×550×1250	1470×550×1250
Weight(kg)	65	105	135

Atmospheric single-circulating decocting and packaging machine
YJX20/1+1(50-250)C

Atmospheric single-circulating decocting and packaging machine
YJX20/2+1(50-250)C

Atmospheric single-circulating decocting and packaging machine
YJX20/3+1(50-250)C



>Combination of decocting and packaging function, compact and reasonable, beautiful and generous, space-saving
>The cylinder is made of glass, and the decoction process is clearly visible
>Atmospheric condition, 1-3 different prescriptions could be processed simultaneously, and each pot can process 3-12 doses.
>Automatic timing prompt for boiling time, and automatic stirring function makes better efficacy
>CNC technology, high control accuracy,automatic conversion of gentle and strong fire
> 50-250ml stepless variable packaging function is optional as per request.

Model	YJX20/1+1(50-250)C	YJX20/2+1(50-250)C	YJX20/3+1(50-250)C
Capacity(ml)	20,000	20,000×2	20,000×3
Power(w)	2800	4800	6800
Dimension(mm)	600×560×1300	1170×550×1300	1470×550×1300
Weight(kg)	78	118	148

Atmospheric dual-circulating decocting and packaging machine
YJX20/1+1(50-250)D

Atmospheric dual-circulating decocting and packaging machine
YJX20/2+1(50-250)E

Atmospheric dual-circulating decocting and packaging machine
YJX20/3+1(50-250)D



>Operating under atmospheric condition, no steam scatters, effectively preventing the loss of effective ingredients
>The liquid circulation is inside the pot functioning as stirring,in which way, finished solution has pure and good taste
>With double circulation function of liquid circulation and steam recycling circulation
>The steam recycling circulation is a cooling reflux method outside the pot,truly achieving odorless operation.

Model	YJX20/1+1(50-250)D	YJX20/2+1(50-250)E	YJX20/3+1(50-250)D
Capacity(ml)	20,000	20,000×2	20,000×3
Power(w)	2800	4800	6800
Dimension(mm)	560×560×1460	1170×660×1450	1700×660×1450
Weight(kg)	87	135	187
Packing Volume (ml)	50—250	50—250	50—250

Atmospheric twice-decocting and packaging machine
YJ20/1+1(50-250)-L

Atmospheric twice-decocting and packaging machine
YJ20/2+1(50-250)-L

Atmospheric twice-decocting and packaging machine
YJ20/3+1(50-250)-L



>Combination of decocting and packaging, compact and reasonable, beautiful and generous, space-saving
>Anti-dry burning function, when the temperature is too high or there is no water, the system stops heating and beeps
>Store the decocted solution in a specially designed storage container,automatically realizing the entire process of twice decocted solution under atmosphere.
>The overall decocting and packaging process adopts precise CNC technology,with high control accuracy
>Follow the classical decocting method, supportive on time setting, beep for prompt, and easily achieve first-decocted and later-fed function.
>50-250ml stepless variable and adjustable packing volume to meet different packaging needs
>Automatic conversion of gentle and strong fire to ensure efficacy

Model	YJ20/1+1(50-250)-L	YJ20/2+1(50-250)-L	YJ20/3+1(50-250)-L
Capacity(ml)	20,000	20,000×2	20,000×3
Power(w)	2800	4900	7000
Dimension(mm)	780×550×1220	1400×550×1235	1470×615×1250
Weight(kg)	95	118	180
Packing Volume (ml)	50—250	50—250	50—250

Airtight decocting machine series

Electric-extruding airtight decocting machine



>Airtight decoction to avoid evaporating
>Equipped with electric extruding function, greatly improving decocting efficacy
>Adopting ergonomic design, beautiful and fashionable, easy to operate, and easy to clean and maintain

Model	YJMD20B-G	YJMD30B-G	YJMD40B-G
Voltage	220V±10%	220V±10%	220V±10%
Power(w)	1900	2900	2950
Capacity(L)	20	30	40

Airtight decocting machine
YJ13B-G

Airtight decocting machine
YJ20E-G

Airtight decocting machine
YJX40B-G



>Sliding lock, easy and fast operation
>Automatic display of high temperature time (≥ 100 ° C)
>CNC technology with high control accuracy
>Airtight decoction to avoid evaporating
>Energy saving, time saving, and long shelf life
>Mild and better taste
>Squeezing device for extracting residual solution
>Improve the efficacy and purity of the decocted solution
>Micro-pressure circulation outside the pot, automatic conversion of gentle and strong fire

Model	YJ13B-G	YJ20E-G	YJX40B-G
Capacity(ml)	13,000	20,000	40,000
Power(w)	1300	1800	2900
Dimension(mm)	430×460×1020	470×490×1200	600×700×1300
Weight(kg)	40	55	75

Conjoined Airtight Decocting machine

YJ13/2B-G　YJ20/2B-G



>Sliding lock, easy and fast operation
>CNC technology with high control accuracy
>Airtight decoction to avoid evaporating

Conjoined Airtight Decocting machine

J13/3B-G　YJ20/3B-G



>Automatic display of high temperature time (≥ 100 ° C)
>Extruding device for drain residual solution
>Energy saving, time saving, and long shelf life

Model	YJ13/2B-G	YJ13/3B-G	YJ20/2B-G	YJ20/3B-G
Capacity(ml)	13,000×2	13,000×3	20,000×2	20,000×3
Power(w)	2600+1600	3900+1600	3600+1600	5500+1600
Dimension(mm)	[(900×430)+(570×570)] ×1300	[(1300×430)+(570×570)] ×1300	[(1222×497)+(570×570)] ×1300	[(1698×497)+(570×570)] ×1300
Weight(kg)	70+50	130+50	80+50	150+50

Airtight decocting and packaging machine

>Sliding lock, easy and convenient operation
>Extruding device for extracting residual solution
>Airtight and atmospheric decocting and packaging integration compact structure, and elegant appearance
>Two functions:airtight and atmospheric decoction
>Optional for 50-250mL variable packaging function according to customer needs



Model	YJ13/3+1(50-250)B-G
Power(w)	5400
Capacity(ml)	13,000×2+20,000
Dimension(mm)	1512×560×1395
Weight(kg)	177

Concentrator Series

Liquid Vacuum Concentrator

>Adopting vacuum concentration technology,high speed upto 6000-8000ml/hour
>Low-temperature concentration,more suitable for process of special materials(containing thermosensitive and volatile components)
>Cooling with water brings better effect,automatic control of inletwater temperature
>Overheating protection, anti-dry burning, self-inspecting
>Quality, safety, and reliability, in line with industry development trends. Adopting fully automatic control, easy to operate



Model	YZN-30C
Power(w)	6800
Capacity(ml)	30,000×2
Dimension(mm)	1000×500×1500
Weight(kg)	110

Liquid Vacuum Concentrator with decocting function

>Concentrating TCM herbal solution by distilling, able to make different preparations such as ointment and powder.
>Decocting and concentrating in a vacuum sealed state,without odor emission
>Low temperature decoction can prevent coking
>Fast concentrating speed, up to 3000-4000ml/hour
>Both airtight and atmospheric modes are available,with stirring function.
>Water cooling+cold air as cooking method, with better cooling effect.



Model	YZN-50
Power(w)	5000
Volume(ml)	50,000
Dimension(mm)	1000×530×1800
Weight(kg)	205

Automatic Modulater

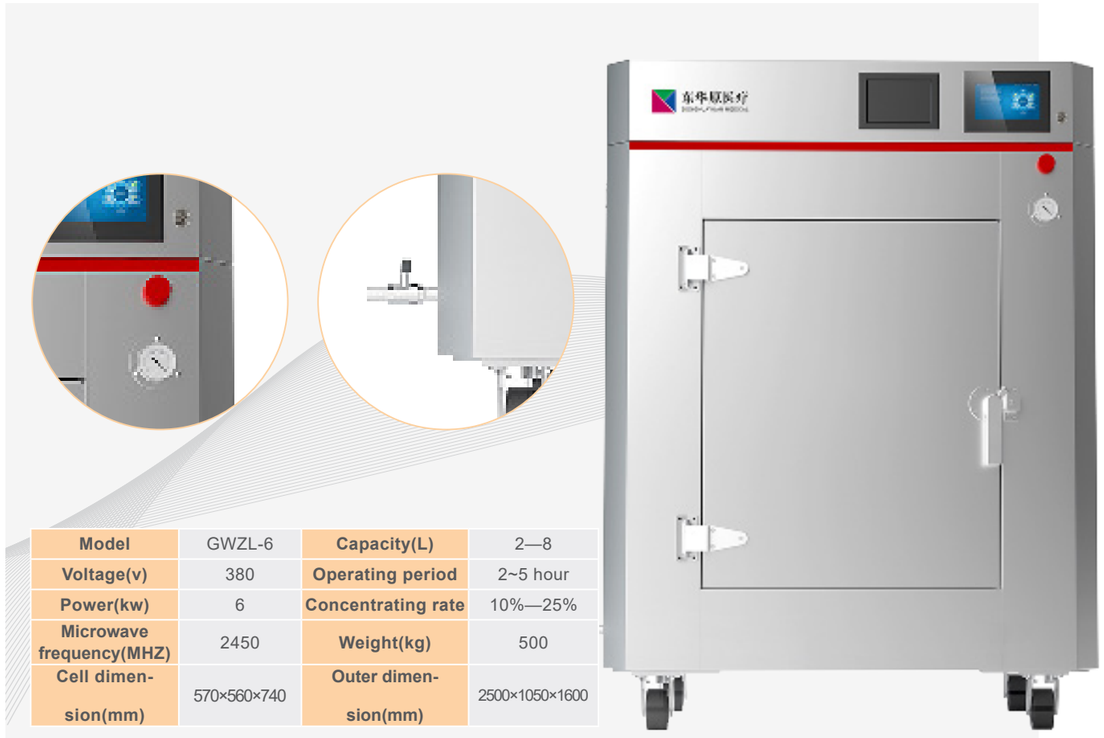
>Compact, beautiful and exquisite
>Application of insulation materials with special heating structures, high thermal efficiency, energy conservation and environmental protection
>The modulating container can be separated from the base,making it easy to maintain and clean
>The stirring speed can be continuously variable to fully meet different modulating needs
>Embedded temperature control device, stable and uniform heating, not easy to coke.



Model	ZDTG-6L
Power(w)	2000
Volume(L)	6
Dimension(mm)	402×402×560
Weight(kg)	27

Microwave Dryer Series

Microwave Dryer



Model	GWZL-6	Capacity(L)	2—8
Voltage(v)	380	Operating period	2~5 hour
Power(kw)	6	Concentrating rate	10%—25%
Microwave frequency(MHZ)	2450	Weight(kg)	500
Cell dimension(mm)	570×560×740	Outer dimension(mm)	2500×1050×1600

>Make powder from TCM herbal solution in a low-temperature environment, which could be dissolved with warm water.
>The pulverization process is easy to operate, intelligently controlled, and the boiling point of water in TCM herbal solution is continuously adjustable
>Powder is easy to carry, convenient to store, and take, providing patients with more choices of TCM herbal preparation.
>Using vacuum microwave technology to directly dry TCM herbal solution for powder production
>Powder does not change its efficacy and its shelf life could be extended compared to solution form.
>Unlike TCM formula granules, it preserves the physical and chemical reaction that occur during the combined decocting process

Applicable Scope

Suitable for various levels of medical institutions, clinics, pharmacies,laboratories, etc, Convert TCM herbal solution into powder

PACKAGING MACHINE SERIES

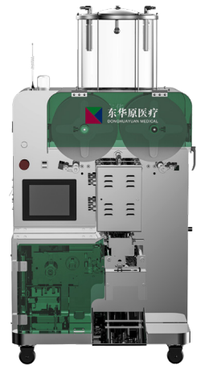
Liquid packaging machine



>Automatic packaging featured with hygiene and health
>Long shelf life,portable, and easy to take
>50-250ml stepless adjustable volume
>Suitable for different dosages of elderly, children, adults, etc

Model	YB50-250
Volume(ml)	50—250
Power(w)	1600
Dimension(mm)	570×570×1200
Weight(kg)	55

Labelling Packer



>Equipped with a heating ring,able to maintain the temperature of solution during packaging.
>Hybrid of labelling and Packaging.
>Automatically print customer information,grab and paste label.
>Reduce the probability of manual errors and the working intensity of workers

Applicable scope

Hospital,outpatient department, pharmacy, clinic, or small TCM preparation workshop, as well as decoction center, etc

Model	YBT50-250A	Capacity(L)	20
Voltage(v)	220	Volume	50—250mL adjustable
Power(w)	2900	Weight(kg)	about 120
Speed(pouch/min)	8		

Stand-up Pouch Packer



>Easy to operate and maintain
>The pouch is prefabricated,only one side needs sealing,the leakage is effectively decreased.
>The finished product is easy to carry and can be placed upright or lying down
>Packaging medium: liquid, fruit juice, etc
>Full process intelligent program control

Model	DGD-L8
Voltage(v)	220
Power(w)	2000
Capacity(L)	20
Volume(ml)	50-200

Powder Packer



>Wraping powder and small particles (diameter less than 2mm)
>Evenly divided or tailored volume for each pack.
>Dried decoction could be packed
>The package is easy to carry and take

Model	ZB5-50
Voltage	220V,50Hz
Power(w)	1050
Volume(g)	5-50
Pouch length(mm)	60-200

High-end Liquid Packer



>Rapid heating and concentrating by adding an extra 2000W heating plate
>Equipped with roll breakage and no roll protection functions, automatic shut-down to prevent liquid leakage
>With anti-dry burning function, safer and more reliable
>Equipped with a flipping LCD touch panel, easy to operate and longer lifespan
>Ergonomic design, using a 20L large capacity storage bucket;The overall height of the machine is significantly reduced,making it easy to clean and main-tain

Model	YB50-250T
Voltage	220V±10%
Power(w)	2800
Capacity(L)	20
Dimension(mm)	560×650×1150
Volume(ml)	50—250

Even-dividing Liquid Packer



>Equally divided packing volume, stepless adjustable from 50-250ml, which can be automatically calculated based on the amount of solution and the number of pouches.
>Digital control of sealing temperature, which can be set and automatically constan
>Heating control to prevent dry burning

Model	YB50-250E
Power(w)	1860
Volume(ml)	50—250
Dimension(mm)	560×560×1220
Weight(kg)	55

Auto-stirring Liquid Packer



>Automatic packaging with hygiene and health
>Equipped with stirring function, no worry of sedimentation, and packaged with uniform concentration
>The YB50-250A packaging machine has a stepless adjustable volume from 50-250ml
>Suitable for packaging homogenate meals in hospital nutrition depart-ment

Model	YB50-250A
Power(w)	890
Volume(ml)	50—250
Dimension(mm)	560×560×1275
Weight(kg)	55

Ointment Packer



>Automatic packaging with hygiene and health
>Long shelf life, easy to carry and take
>Packaging volume 10-50ml, adjustable
>Suitable for viscous liquid and cream
>Compact and reasonable, beautiful and generous, space-saving.

Model	YB10-50A
Power(w)	2900
Volume(ml)	10—50
Dimension(mm)	560×560×1300
Weight(kg)	89

Ointment Packer



>Automatic packaging with hygiene and health
>High precision plunger pump feeding, precise and hygienic
>Suitable for packaging viscous liquid and cream with dynamic viscosity ≤ 2000mPa.s (can contain micro particle)
>Packaging volume 15-50mL, adjustable

Model	YB15—50F
Power(w)	1780
Volume(ml)	15—50
Dimension(mm)	564×630×1233
Weight(kg)	140

Consumables

Packing composite film



>High quality PE and PET materials, hygienic and safe
>All materials used are green and environmentally friendly,no recycled plastic is allowed
>Special film, not easily damaged
>Printing without heavy metals, using water-based environmentally friendly ink
>Sealed pouch is easy for carrying
>High-temperature resistant, easy to heat, hygienic and no harm.
>Sawtooth-shaped sealing side, easy to tear, easy to take
>Subject to customization, serving as advertising and promotional purpose
>Extremely high compressive strength and able to withstand a pressure of 90
kilograms (the rated pressure of the coil is generally 30-60 kilograms)

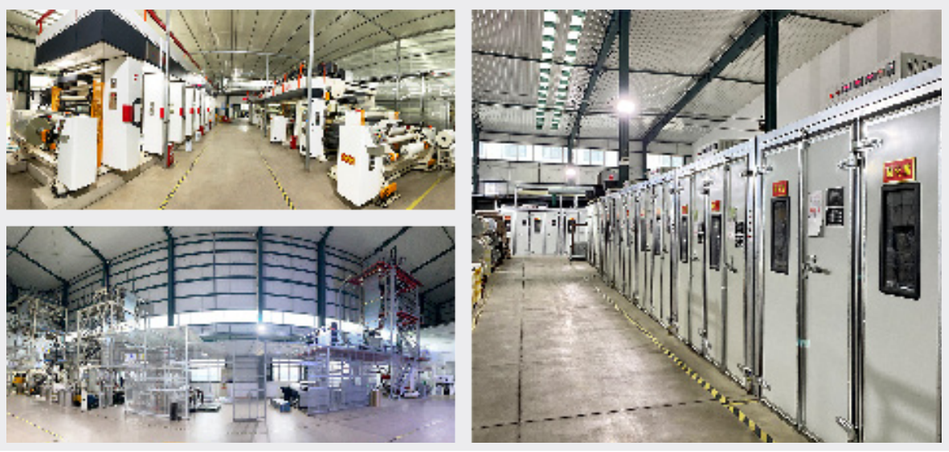
Type	Superior	A grade	Plain

Tailored patterns



Note: Various designs can be printed on composite film as per customer requirements. Useful as advertisement and promotion for hospital, clinic, and pharmacy.

Donghuayuan workshop of composite film



Decocted solution quality test

Herbal Solution Quality Tester

On November 30, 2015, the group standard “TCM decocting machine norm” was officially issued. Since then, there have been standards to follow for TCM decoction service. This standard clearly states that the quality testing standard for herbal solution and recommended corresponding testing method.

>Scope

This standard specifies the condition, method, and quality control for the herbal solution decocted by a decocting machine. This standard is applicable to medical institutions, retail pharmacies,ralted enterprises and units.

>Quality inspection

The use of refractive index method to determine the concentration of soluble solids in herbal solution can serve as one of the methods of quality test.
The concentration of herbal solution should not be less than 4.5 %.



Method for determining the relative refractive index of herbal solution

The relative refractive index of herbal solution is generally measured using a digital refractometer or a handheld sugar meter.

1.Digital refractometer method

1.1After mixing twice-decocted solutions evenly, take a small amount and cool it as the test substance.
1.2Press the”on” button to turn on the tester, drop 1-2 drops of purified water onto the surface of the prism, adjust to zero reading and dry the prism.
1.3Take 1-2 drops of the test sample with the same temperature of the purified water, drop them onto the surface of the prism, press the “Start” button, and the measured value will be displayed in numerical form,The reading is immediate.

2.Handheld sugar meter method

2.1mixing twice-decocted solutions evenly and take a small amount to cool as the test substance.
2.2Take 1-2 drops of freshly prepared distilled water cooled at room temperature and drop them onto the polished prism surface. Place the wiped cover plate on the table, place your eyes close to the eyepiece,and aim at the light source (from Natural light or incandescent light), visually inspect (if necessary,adjust the eyepiece to make the field of view boundary clearly visible)and adjust the adjustment screw to make the field of view light and dark boundary match “0” tick marks overlap.
2.3Take 1-2 drops of the test sample cooled at room temperature, follow the above steps and visually inspect it. Read the calibration value of the scale line that coincides with the light dark boundary of the field of view, and measure the current tick mark value, which is the measured value of the concentration of the sample solution.