Infitek

THERMO SEALER

YouTube
Infitek

LinkedIn
Infitek

Instagram
Infitek

Facebook
Infitek

Twitter
Infitek

Thermo Sealer, TMS-A100

TMS-A100

Main features

◆ It has a variety of automatic control functions.It can realize continuous sealing and meet the basic sealing needs of users. It is an upgraded product of manual sealing machine and belongs to popular sealing equipment.

◆ Special temperature controller for sealing machine, temperature control accuracy:±1%, working temperature: 60~220℃ arbitrary setting.

◆ High-speed heating design; It only takes 40 seconds to rise from room temperature to 180ºC;

◆ The floating constant pressure pressing system is designed to meet the sealing needs of paper-plastic bags, paper-plastic three-dimensional bags and paper-paper bags;

◆ The advanced flat-plate ceramic heating element can be dry-fired, and has the characteristics of high temperature resistance, long life, and high thermal efficiency.

◆ Optional stainless steel special sealing machine workstation with paper cutter, roller conveying platform and other peripheral configurations;

Basic parameters and performance

Model	TMS-A100
The sealing speed is 10m/min	the paper feeding is automatically controlled by the machine.
Sealing pattern width	12mm
The sealing strength meets the requirements	of YY/T 0698.5-2009
Sealing margin	0～35 mm adjustable
Power supply	220V 50Hz
Power	500W
Size	482×242×157（mm)
Weight	15kg
Package Dimension（W*D*H)(mm)	620*390*280
G.W.(kg)	12

Thermo Sealer, TMS-1

TMS-1

Main features

-01 Manual sealer, temperature adjustable, self-contained cutting function, maximum sealing width of 300mm, carbon steel shell;

It is suitable for continuous sealing of paper-plastic and paper bags;

Manual sealing, digital tube temperature display, bar heating, maximum sealing width is 300mm;

Package Dimension（W*D*H)(mm)：500*420*300

G.W.(kg)：10

Touch Screen Sealing Printing Machine

TMS-AP105

Features

- 5-inch color LCD touch screen, graphical operation interface, Chinese and English display and print switching, keyboard input control, built-in clock and parameters can be set and it has automatic storage function;
- With positive sequence (descending sequence) sealing counter; It can realize the statistics of sealing quantity within 0 ~ 9999; It has special functions such as printing margin, printing interval symbol and so on.

- When the sealing temperature exceeds the working temperature setting range of ±4℃, the machine will automatically stop working, effectively ensuring the quality of the sealing and the safe operation of the equipment;

- With rapid heating and auxiliary cooling design: It equipped with a microcomputer-controlled heating and cooling mechanism to reduce the waiting time for the sealing temperature to quickly change from low to high or from high to low;
- It is efficient and energy-saving, and meets the working needs of fast-paced temperature conversion;

- Computer intelligent temperature control design; working temperature: 60~220℃ arbitrarily set; temperature control accuracy is less than ±1%; Preset four common temperatures: 60 ℃, 120℃, 180℃, 220℃;
- It can realize fast switching according to the daily needs of users, which is convenient for users to quickly select the sealing temperature;

- Floating constant pressure pressing structure design is adopted to meet the sealing needs of three-dimensional bags and paper bags of different thicknesses;

- Automatic fault alarm indication can realize automatic detection of working process, and various faults can automatically alarm or prompt;
- The standby time and standby temperature are adjustable, and the intelligent standby recovery function can make the machine return to the working temperature at a high speed, reducing the waiting time;
- Advanced flat-plate ceramic heating components have the characteristics of fast temperature rise, uniform heating, high temperature resistance, long life and high thermal efficiency;
- The equipment has its own operation identification function, which can realize the printing of test time, sealing temperature, pressure, speed, sealing time, equipment number, etc. in Chinese and English;
- Optional stainless steel special sealing machine workstation with paper cutter, roller conveying platform and other peripheral configurations;

Specifications

Model	TMS-AP105
I Sealing speed:	10±0.5 m/min
I Sealing margin:	0~35 mm adjustable
I Working temperature:	60~220℃ adjustable
I Temperature control accuracy:	≤ ±1%
I AC power supply:	220V±10% 50Hz
I Sealing pattern width:	12 mm
I Maximum current:	3.2A
I Fuse:	5A×2
I Work rate:	500 W
I Dimensions:	560×260×220mm

Functions of printing system

- With Chinese and English dual operating systems, it can be switched at will. In the Chinese operating state, the printing of Chinese characters and symbols can be realized, and in the English operating state, the printing of English and symbols can be realized;
- Chinese, English, numbers, and special character printing functions that comply with "YY0466-2003 Medical Devices Used for Medical Device Labels, Marks, and Information-Providing Symbols" can meet various printing functions such as sterilization date, expiration date, sterilization batch, sterilizer number, operator code, etc. required by the Ministry of Health;
- The sterilization date and expiration date can be adjusted automatically according to the settings, and the leap month and size month are automatically adjusted;
- It is equipped with a Chinese and English printing system of the sealing machine, with a built-in 24 pin printer, which can print clearly, set printing matters easily and quickly;The width of the print font is adjustable, which is convenient for printing more content on a relatively narrow bag.The printing function can be closed with one button or an item can be closed as needed, which is flexible, convenient and fast;
- The system will give the print width value according to the selected print content, automatically calculate the minimum print bandwidth, and help the operator determine the number of items to select the appropriate paper-plastic bag before printing, and realize the reminder before sealing when the width of the paper-plastic bag is insufficient;

Touch Screen Sealing Printing Machine

TMS-AP105P

Features

- 7-inch color LCD touch screen, graphical operation interface, Chinese and English display and print switching, keyboard input control, built-in clock and parameters can be set and it has automatic storage function;
- With positive sequence (descending sequence) sealing counter; It can realize the statistics of sealing quantity within 0 ~ 9999; It has special functions such as printing margin, printing interval symbol and so on.

- When the sealing temperature exceeds the working temperature setting range of ±4℃, the machine will automatically stop working, effectively ensuring the quality of the sealing and the safe operation of the equipment;

- With rapid heating and auxiliary cooling design: It equipped with a microcomputer-controlled heating and cooling mechanism to reduce the waiting time for the sealing temperature to quickly change from low to high or from high to low;
- It is efficient and energy-saving, and meets the working needs of fast-paced temperature conversion;

- Computer intelligent temperature control design; working temperature: 60~220℃ arbitrarily set; temperature control accuracy is less than ±1%; Preset four common temperatures: 60 ℃, 120℃, 180℃, 220℃;
- It can realize fast switching according to the daily needs of users, which is convenient for users to quickly select the sealing temperature;

- Floating constant pressure pressing structure design is adopted to meet the sealing needs of three-dimensional bags and paper bags of different thicknesses;

- The standby time and standby temperature are adjustable, and the intelligent standby recovery function can make the machine return to the working temperature at a high speed, reducing the waiting time;
- Advanced flat-plate ceramic heating components have the characteristics of fast temperature rise, uniform heating, high temperature resistance, long life and high thermal efficiency;
- The equipment has its own operation identification function, which can realize the printing of test time, sealing temperature, pressure, speed, sealing time, equipment number, etc. in Chinese and English;
- Optional stainless steel special sealing machine workstation with paper cutter, roller conveying platform and other peripheral configurations.

Specifications

Model	TMS-AP105P
Sealing speed	10±0.5 m/min
Sealing margin	0~35 mm adjustable
Working temperature	60~220℃ adjustable
Temperature control accuracy	≤ ±1%
AC power supply	220V±10% 50Hz
Sealing pattern width	12 mm
Maximum current	3.2A
Fuse	5A×2
Work rate	500 W
Package Dimension (W*D*H)(mm)	700*400*350

Functions of printing system

- With Chinese and English dual operating systems, it can be switched at will. In the Chinese operating state, the printing of Chinese characters and symbols can be realized, and in the English operating state, the printing of English and symbols can be realized;
  Chinese, English, numbers, and special character printing functions that comply with "YY0466-2003 Medical Devices Used for Medical Device Labels, Marks, and Information-Providing Symbols" can meet various printing functions such as sterilization date, expiration date, sterilization batch, sterilizer number, operator code, etc. required by the Ministry of Health;
- The sterilization date and expiration date can be adjusted automatically according to the settings, and the leap month and size month are automatically adjusted;
- It is equipped with a Chinese and English printing system of the sealing machine, with a built-in 24 pin printer, which can print clearly, set printing matters easily and quickly;The width of the print font is adjustable, which is convenient for printing more content on a relatively narrow bag.The printing function can be closed with one button or an item can be closed as needed, which is flexible, convenient and fast;
- The system will give the print width value according to the selected print content, automatically calculate the minimum print bandwidth, and help the operator determine the number of items to select the appropriate paper-plastic bag before printing, and realize the reminder before sealing when the width of the paper-plastic bag is insufficient;

Cutting, Sealing and Printing Integrated Machine

TMSC-AP105

Features

- It has the function of automatic paper feeding, cutting, sealing and printing.You only need to set the required length and quantity of paper-plastic bags according to actual needs;After starting the program, the equipment can complete automatic paper feeding, automatic cutting, automatic heat sealing, and finally complete the Chinese and English printing of the set parameters;

- It has the functions of cutting paper-plastic bags independently, heat-sealing or sealing printing separately, which can realize multiple functions in one machine and effectively improve work efficiency;

- The cutting and sealing margins are adjustable, and the distance from the cutting edge to the sealing line can be adjusted whether printing is required, so as to improve the utilization rate of coiled material;

- According to actual needs, multiple rolls of paper-plastic bags with different widths can be loaded at one time to realize the cutting and sealing of multiple rolls at the same time, thereby improving the working efficiency of the machine;

- High-speed heating design: It only takes 40s to rise from room temperature to 180℃, which is highly energy-efficient and meets the needs of fast-paced work;
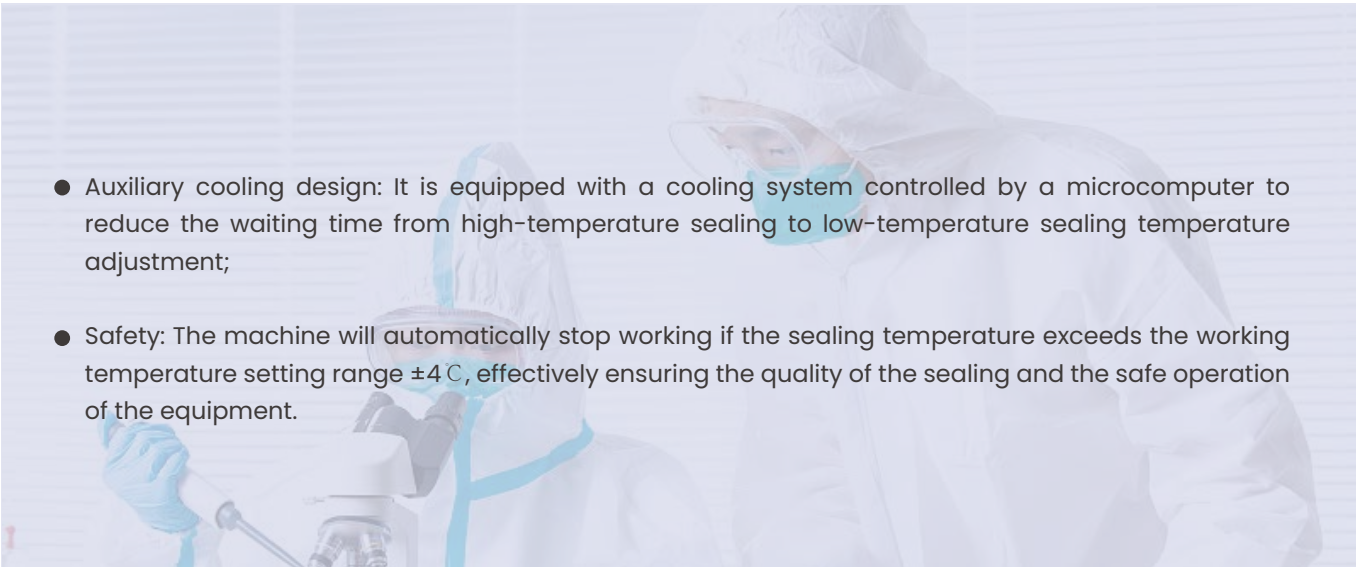
- 7-inch color LCD capacitive touch screen, comes with Andriod operating system, graphical operation interface, built-in clock and adjustment and setting of working parameters, and it has an automatic storage function;

- It is possible to set or change various parameters and other contents of the equipment through the built-in color touch control screen, and the corresponding setting contents can be printed by the sealing machine;

- Computer intelligent temperature control, temperature control accuracy: ±1%, working temperature can be set arbitrarily at 60~220℃;

- Auxiliary cooling design: It is equipped with a cooling system controlled by a microcomputer to reduce the waiting time from high-temperature sealing to low-temperature sealing temperature adjustment;

- Safety: The machine will automatically stop working if the sealing temperature exceeds the working temperature setting range ±4℃, effectively ensuring the quality of the sealing and the safe operation of the equipment.

Specifications

Model	TMSC-AP105
Control system:	7-inch color LCD capacitive touch screen
Sealing speed:	10±0.5m/min
Sealing width:	12mm
Cutting width:	≤400mm (multiple rolls can be cut and sealed at the same time)
Cutting length:	≥50mm
Cutting speed:	7.5±0.5m/min
Sealing margin:	0~35 mm adjustable
Working temperature:	60~220℃ adjustable
Temperature control accuracy:	≤1%
Printing method:	Dot matrix printer
Working environment:	10~40℃
AC power supply:	220V±10% 50Hz
Power:	600W
Maximum current:	3.2A
Fuse:	5A X 2
Weight:	35kg
Equipment size:	1092×280×230mm

Thermo Sealer

SLM-T2008

Features

- Because the blood, saline liquid drug etc. is gradually taken special plastic bags as liquid filling, storage, transport and transfusion, to replace the traditional bottle type infusion. The bagged liquid drug sealing requires clean non-toxic, non-polluting, reliable bonding, convenient operation, the blood bag tube sealer machine is specially designed for this purpose.
- a) This sealer is carefully designed after we listen to opinions from many customers and improve the old-fashioned sealer, finally succeffully developed after repeated test. Thus the sealer other than old model has the following features:
- b) This machine adopt microprocessory to control heat time, heating time is from 0.8s~2s depends on the tube thickness.
- c) The sealing head provide with an elastic auxiliary device, in order to prevent or reduce hemolysis generated during heat sealing.
- d) This sealer voltage can be adjusted automatically.It can normally work steadily when the voltage changes between 190V ～ 250V. It shows more superiority in the area that has larger power fluctuations.

Specifications

Model	SLM-T2008
Supply Voltage	190V～250V,50-60Hz
Power of Supply	200W
Sealing time	0.8-2s
Size of sealing tube	Φ3～Φ6mm
Lifespan of the electronic bulb	about 800-1000hours
Instrument Dimension(W*D*H)(mm)	280*165*220mm
Package Dimension (W*D*H)(mm)	480*330*300mm
G.W.(kg)	10kg

Specifications

Faults	Cause	Solutions
No heat sealing	Inside high-voltage fuse damage	Inspect and replace 0.25A fuse
	Inside high-voltage tube damage	Inspect and replace high-voltage tube
The heat sealing head no trip	The photoelectric sensing portblocking	check and wipe dirt with alcohol
Heating head can not be reset, or reset difficultly.	Debris or bloodstains blocks into the freegap.	Timely clean the bebris and bloodstains after power off
Other abnormalities during sealing	External interference	Switch off 7seconds then switch on.

Features

- **Operating steps**
  a) Plug the power,switch on. The power switch is in front of the upper right corner.
  b) Preheated for 3~5 minutes after the sealer is electrified. Immediately seal tubes after power on will reduce the sealer's lifespan.
  c) Automatically sealing when tube is placed in the slot of Head unit. After sealing, heat unit will be automatically tripping off for the next cycle later.
- **Maintenance and Repair**
  a) During sealing, pipeline is in a more loose condition, avoid tight pull or jitter pipeline, or it easy to make tube rupture bleeding.
  b) If there is bleeding or exudate phenomenon, the tube should be resealed. In the sealer off state, remove the stain timely and dry,to avoid the heat head stuck and damage the photoelectric sensing device.
  c) When test machine should avoid empty (without tube) heat-sealing operation, prevents the load short circuit, sparking, to avoid burn the electron tube.
  d) Heat sealing head output power will be different due to environment temperature, and different thickness of tube material.
  e) The sealing head unit has been carefully assembled debugging and in the best working condition, Don't casually dismantled it to avoid unnecessary trouble.

Thermo Sealer

SLM-TII

Principle

The medical PVC tubing is heated and polarized in the high frequency electric field between the sealing heads and stick together under certain pressure.

Features

◆ Light indicator
   Micro switch to start the procedure (on the right side of the sealing heads)
   Automatic control of sealing time (The head will restore to its original position to end the sealing.)
   No need of scissors to cut the tubing

Specifications

Model	SLM-TII
Electric power	220VAC±10%, automatic adjustment, 50 Hz
Sealing power	200W
Working mode	Automatic
Sealing speed	≥18 times/min
Tube applicable	PVC tubing with outside diameter 3-7mm,thickness not more than 0.85mm
Dimension(mm)	150W×280D×210H
Weight	7.1Kg
Package Dimension (W*D*H) (mm)	410*320*280mm
G.W.(kg)	9Kg

Thermo Sealer

SLM-P200

Description

- Sealing temperature：80C ～200C
- Temperature accuracy：±1C
- Sealing interval: 30S
- Seal plate height：9-48mm

Description

- SLM-P200 Manual Plate Sealer is used for sealing a wide variety of microplates (Elisa, cell culture, PCR and deep-well plates) to store samples, prevent evaporation and minimize contamination. It is applicable for a variety of heat seals, meeting any laboratory application, including PCR, coulorimetric, fluorescence, long term storage.

Features

Rapid heating(reaching 170C in 300seconds)

Adjustable sealing temperature: 80C ~200C

Applicable for different micro plates and heat seals.

Precise temperature, timing and pressure for consistent sealing.

Unique drawer type sliding platform, easy access to micro plates.

Economic; easy to operate.

Over-heating protection device is included.

Specifications

Model	SLM-P200
Sealing temperature	80C ～200C
Temperature accuracy	±1C
Sealing time	0.5s～99s(within 10s, increment of 0.1s; above 10s, increment of 1s)
Sealing interval	30s
Seal plate height	9~48mm
Power	400W
Dimension(D*W*H)	324*216*353mm
Weight	11kg

Thermo Sealer

SLM-P1000

Sealing temperature：OFF, 80℃～200℃(increment of 1.0℃)

Temperature accuracy：±1℃

Sealing time：0.5s～10s(increment of 0.1s)

Seal plate height：9-48 mm

Features

Functions
- Rapid heating(reaching 170C in 300seconds)
- Adjustable Sealing Temperature: 80℃ ~200℃
- Applicable for different micro plates and heat seals.
  Precise temperature, timing and pressure for consistent sealing.

Safety
- If a hand or objects stuck in the drawer when it's moving, the drawer motor will reverse automatically. This feature prevent both user and the unit from injury.
- Special and smart design on the drawer, it can be detached from the main device.

Power save mode
- If the unit is left on but inactive for long periods, it will enter a power saving mode.
- When the unit is inactive for 60min, it will switch into stand-by mode. Then the temperature will be reduced to 60℃ to save power.
- When the unit is inactive for 120min, it will switch into Power-Save mode. The display and heating element will be switched off. The user can awaken the unit by pressing any button.

Specifications

Model	SLM-P1000
Display	OLED
Sealing temperature	OFF, 80℃ ～200℃(increment of 1.0℃)
Temperature accuracy	±1℃
Temperature uniformity	±1℃
Sealing time	0.5s～10s(increment of 0.1s)
Seal plate height	9~48mm
Power	300W
Dimension(D*W*H)	370*178*330mm
Weight	11.46kg
Compatible plate materials	PP(Polypropylene)
	PS(Polystyrene)
	PE(Polystyrene)
Compatible plate types	Standard Assay Plates
	Deep-well Storage Plates
	PCR Plates: skirted, semi-skirted, non-skirted
Compatible Sealing Film Types	Foil-polyproylene laminate
	Clear polyester-polypropylene laminate
	Clear polymer
	Thin clear polymer

Description

- The Semi-Automated Plate Sealer is used for sealing a wide variety of microplates (Elisa, cell culture, PCR and deep-well plates) to store samples, prevent evaporation and minimize contamination. It is applicable for a variety of heat seals, meeting any laboratory application, including PCR, coulorimetric, fluorescence, long term storage. A plate sensing system allows to provide uniform force, transferring heat evenly to the sealing surface whether using PCR plates or deep-well plates.