



# STAINING SYSTEM

## Staining System

### FASAN 600 Slide Stainer



Tissue dyeing process is essential in doing the pathological research, this instrument is designed for saving the fussy process of manual tissue dyeing

#### Features:

1. High-definition & sensitive of touch LCD
2. Unique design for dyeing process
3. Flexible transmission, noiseless
4. Intellectualized infall, outfall & drainage system
5. Special dyeing shelf loading with decades of specimen
6. Streaming water cleaning & tissue roasting function

#### 7. Technica Data :

8. Reagent containers: 12/16
9. One cleaning bath (the 9th one)
10. One drying bath (the 1st one)

11. Processing time of each container: 0s~59 min and 59 s.
12. Capacity of containers: 1 L, specimen process: 72 pc.
13. Working voltage: AC220-AC240V / 60Hz
14. Power: 1000 VA
15. Dimensions: 1130 x 460 x 400 mm
16. Weight: 85 kg

### Accessories:

#### Standard Setting List

- |                          |           |
|--------------------------|-----------|
| 17. 1. Tanks             | 14/18 pcs |
| 18. 2. Slide basket      | 1 pc      |
| 19. 3. Tap               | 1 set     |
| 20. 4. Fuse (5 A)        | 2 pcs     |
| 21. 5. Power line        | 1 line    |
| 22. Optional Accessories |           |
| 23. Extra Tank           |           |
| 24. Tissue Basket        |           |

### Package Info:

Each instrument packed Wooden Case

Ourter Case Dimensions: 1350\*450\*400 mm,

Gross Weight: 110 kg

## FLUGEL 700 Slide Stainer



### FEATURES:

1. The surface of the machine body adopts APS static electricity, spraying process, high strength, corrosion resistance, streamlined appearance and easy to clean.
2. It adopts the combination of wire rope transmission and computer control technology. The system runs stably, the positioning is accurate, and the noise is small.
3. The system can store 99 sets of different programs, each with 50 sets of program content, which can meet the special requirements of users for dyeing different tissues.
4. The processing time of a single cylinder can be set arbitrarily between 0 and 99 minutes and 59 seconds.
5. Dyeing cylinders can be insulated; effectively overcome the shortcomings of poor dyeing caused by low ambient temperature.
6. Cleaning tank (two); double washing tank is used to strengthen the cleaning of hematoxylin; make the residual hematoxylin cleaning more clean;
7. Automatic cleaning device can be added when changing each cylinder of the reagent cylinder to make the operation more convenient and quick.
8. With air discharge device to reduce air pollution.
9. Change the tank drain: cleaning reagent time 0-99 seconds



### The main technical parameters:

1. The number of liquid cylinders: 19 (double washing, baking cylinders);
2. Single cylinder volume: 177mm × 39mm × 98mm;
3. The number of single dyeing: 52 pieces / time;
4. The number of reagent cylinder insulation: 16;
5. Reagent tank insulation settings: room temperature -40 ° C;
6. Single cylinder processing time: can be arbitrarily set within 0 ~ 59 minutes and 59 seconds;
7. Change the cylinder to stay drain time: can be set arbitrarily within 0 ~ 99 seconds;
8. The power supply voltage: AC220V-AC240V  
Frequency: 60±1HZ;Power: less than 1000W;
9. Size: 143cm × 44cm × 50cm

### Accessories:

#### Standard Setting List

Host	1pc
Dyeing rack	1pc
Outlet pipe (2M)	1pc
Inlet pipe (dedicated)	1pc
Outlet pipe tight circle	1pc
Exhaust hose	1pc
Insurance tube (5A)	2pcs
Environmental protection cover	1pc
Power cord	1pc
Manual	1pc
Instrument and equipment Manual	1pc

## HENNE 800 Slide Stainer

The big Tissue Stainer can stain large quantity slides at same time.



### FEATURES:

1. Adopt PLC control system and Electronic Touch Screen, it's convenient to operation and low failure rate.
2. Adopt high performance stepper motor and drive with Synchronous Belt, to ensure the balanced running, accurately fixed position, min. noise and so on.
3. Adopt Photoelectric switch to fixed position, it has find position memory and reset automatically functions.
4. It can store 5 different programs to meet the different staining requirements.

5. Battery backup can be optional, to permit staining of slides to continue during the main power failures.
6. It has 26 stations: From 1 to 17 stations are reagent containers, 19, 21, 23 stations are water washing containers, 18, 20, 22 stations are waiting containers that for putting the ready staining racks. 24 station for loading staining rack. 0 station for unloading staining rack. 25 station is oven.

**Technical data:**

1. Specimen slide throughput: At least 200 specimen slides per hour  
(depend on the selected program)
2. Loading capacity: 3 slides rack
3. Slide rack capacity: 30 specimen slides
4. Total number of stations: 26
5. Number reagent stations: 18
6. Reagent container volume: 600ml
7. Number of wash stations: 3
8. Number of wait stations: 3
9. Oven: 1
10. Oven chamber temperature: from ambient temperature to 85°C
11. Load/unload stations: 1 each
12. Incubation time setting: from 0 sec. up to 9999 sec.
13. Permanent memory capacity: 5 programs, up to 24 program steps each
14. Operation temperature range: 15°C to 35°C
15. Relative humidity: ≤90%(+25°C)
16. Dimension ( W×D×H): 120cm×50cm×60cm
17. Weight: 110Kg
18. Voltage: 220V-240V / 60Hz
19. Power rating: 300VA

### Accessories:

#### Standard Setting List

- |                         |        |
|-------------------------|--------|
| 1. Tanks                | 26 pcs |
| 2. Slide basket         | 1 pc   |
| 3. Fuse (5 A)           | 2 pcs  |
| 4. Power line           | 1 line |
| 5. Optional Accessories |        |
| 6. Extra Tank           |        |
| 7. Slide Basket         |        |
| 8. Transmisson belt     |        |

### Package Info:

Each instrument packed Wooden Case

Ourter Case Dimensions: 1330\*680\*720 mm,

Gross Weight: 130 kg

## **IBIS-100 Slide Stainer**



### **FEATURES:**

1. The surface of the machine body adopts APS static electricity, spraying process, high strength, corrosion resistance, streamlined appearance and easy to clean.
2. The combination of wire rope transmission and computer control technology is adopted, the system runs stably, the positioning is accurate, and the noise is small.
3. The system can store two sets of different programs, each with 48 sets of action content, which can meet the special requirements of users for dyeing different tissues.
4. The processing time of a single cylinder can be arbitrarily set within 0 to 59 minutes and 59 seconds.
5. There is an automatic cleaning device when changing the cylinder. It is not necessary to set the cylinder position specially, which makes the operation more convenient and quick.

### **TECHNICAL SPECIFICATIONS:**

1. Number of liquid cylinders: 10 (the 4th and 5th cylinders are cleaning cylinders, and the 10th cylinder is the drying cylinder)
2. single cylinder volume: 125 mm × 45 mm × 120 mm
3. single cylinder processing time: can be set arbitrarily within 0 ~ 59 minutes and 59 seconds
4. the number of single cylinder dyeing tablets: 30
5. change the cylinder to stay drain time: can be set arbitrarily within 0 ~ 99 seconds
6. wind temperature: adjustable between 0-80 °C.
7. the power supply voltage: AC220V-AC240V / 60Hz
8. shape: 720mm × 450mm × 410mm

## GAMS-300 Hybridizer



### FEATURES:

1. This instrument is adopted FISH processing step, which can reduce a lot of manual operating time and avoid the damage of harmful reagent.
2. Full touch screen operation, friendly human interface.
3. Support restart functionality runs an unexpected power outage, when power is restored can be scheduled to automatically back up and running.
4. Supporting automatic cooling function after running over.
5. Supporting automatic warm-up function.
6. Platform high precision of temperature control, low fluctuation.
7. Can deal with 12 slides.
8. Support 105 custom programs stored functions.
9. Integrated denaturation and hybridization, hybrid, multiple-step operation threemodes of operation.



## TECHNICAL SPECIFICATIONS:

Temperature control range : RT+5 °C ~100 °C

Temperature set range :0°C~100°C

Time range

Accuracy of temperature :  $\leq \pm 1^{\circ}\text{C}$

Uniformity temperature : $\leq \pm 1^{\circ}\text{C}$

Heating time:  $\leq 2\text{Min}$  (37°C to 95°C)

Cooling time: $\leq 6\text{Min}$  (95°C to 45°C)

Capacity: 12

Power :350W

Input voltage:220V-240V / 60Hz

Fuse: 250V 3A  $\Phi 5 \times 20$

Dimension(mm) : 440×220×120(mm)

Weight : 4.5 kg

Packing : In wooden case

## **SCHWAN-2300 Immuno Autostainer**



### **FEATURES:**

1. Open system, Suitable for various kinds of specimen
2. True hands free, walk away ,overnight operation.
3. Easy Windows™ based programming,password protection
4. Allows for several stainers using single computer simultaneously
5. User-specified protocols/User's own reagents,serval runs per day
6. Robust, proven construction and operation
7. No disposable pipette tips
8. Per-run reagent volume checks
9. Detailed reports stored
10. No additional consumable costs
11. No special reagents-using for different company

## TECHNICAL SPECIFICATIONS:

1. Slides Capacity: 48
2. Reagents Capacity: 64
3. Minimum dropping reagent : 50ul
4. Dropping reagent increment: 50ul, 100ul, 150ul, 200ul
5. Maximal output power:  $\leq 350\text{VA}$
6. Working noise:  $\leq 60\text{dB(A)}$
7. Application: IHC, HE more
8. Dimension(mm): 1015\*665\*520
9. Power supply: 220V-240V / 60Hz
10. Rated current: 1.6A
11. Weight: 116 KGS

## ***ARA-001 Cassette Printer***



### **Features:**

- 1.Laser printing and easy to maintain.
- 2.Capacity : 75 Cassettes.
- 3.Print accuracy  $\geq 1250$ dpi clear printing content.
- 4.Print online or off-line.
- 5.Capability of linking with the management system of the pathology department.
- 6.Easy to operate.
- 7.High reliability.
- 8.Laser etching on the surface of the embedding cassettes, no need for consumables.

9.No need for preheating, can be immediately used after starting up, safe and noiseless, free of maintenance.

10.Bilingual in Chinese and English, simple and practical.

11.Support Bar-code scanner inputting.

## TECHNICAL SPECIFICATIONS:

1.Model Number : CP-C-001

2.Printing method : Cassette Laser Printing

3.Average printing speed:  $\leq 3\text{S/Cassette}$

4.Printing accuracy:  $\geq 1250\text{pi}$

5.Maximum Capacity:  $\geq 75$  Cassettes

6.Minimum Capacity:  $\geq 1$  slides

7.Power: 220V-240V / 60Hz

8.Standby power: 50W

9.Rated Power: 100W

10.Dimensions: 395\*280\*330mm(Length\*Width\*Height)

11.Laser Power: Pulse laser  $\leq 2\text{W}$

12.System interface: Integrate with LIS/HIS/PIS

13.Printing Methods: Print online or off-line

14.Adhesion testing: Pull 1\*10\*30mm 3M tape 3 times without fade

15.External device: Support Bar-code scanner inputting

16.Consumable items: Standard cassette

## ARA-150 Slide Printer



### Features:

- 1.Laser printing and easy for maintaining.
- 2.Capacity : 150 Slides
- 3.Print accuracy $\geq$ 1250dpi clear printing content.
- 4.Print online or off-line.
- 5.Capability of linking with the management system of the pathology department.
- 6.The writing is clear and delicate, never wears out or fades, which meets the characteristic requirements of keeping slides for long-term reference.
- 7.No need for preheating, can be immediately used after starting up, safe and noiseless, and free of maintenance.
- 8.Bilingual in Chinese and English, simple and practical.
- 9.Support printing by QR code scanning, printing on demand.
- 10.Support Bar-code scanner inputting.



## TECHNICAL SPECIFICATIONS:

1. Short Desc : Slide Laser Printer
2. Average printing speed:  $\leq 3\text{S/slide}$
3. Printing accuracy:  $\geq 1250\text{pi}$
4. Maximum Capacity:  $\geq 150$  slides
5. Minimum Capacity:  $\geq 7$  slides
6. Ambient Humidity: 45-85%, no condensation
7. Easy for maintaining: maintain without disassembling
8. Dimensions: 465\*200\*361mm(Length\*Width\*Height)
9. Laser Power: Pulse laser  $\leq 2\text{W}$
10. System interface: Integrate with LIS/HIS/P IS
11. Printing Methods: Print online or off-line
12. Loading method: Cartridge clip type
13. External device: Support Bar-code scanner inputting
14. Consumable items:  $5 \times 75\text{mm}$ , 1-1.2mm glass slide

## ARA-200 Cover Sliper



### FEATURES:

1. Covers of various brands and specifications
2. Color touch screen control interface, real-time dynamic prompts of operation instructions, simple and efficient operation, prevent misoperation
3. Compatible with basket type, non-basket type and other types of dyeing racks, automatic identification, no manual conversion
4. By adjusting the flow and speed of the sealing rubber, it can be compatible with imported and domestically produced multi-standard sealing glue, stepless adjustment and real-time response.
5. Whether the dispensing needle is in real-time detection and alarm function at the working position, and a cleaning screen is designed at the storage position to effectively prevent the nozzle from drying (manual operation is required)
6. Automatically monitor the quality of the coverslip during the working process. The fragments and bad pieces are automatically discarded into the waste cassette. The sensor has self-checking function to effectively improve work efficiency.

7. Automatically carry out two rounds of slide scans during the work process, effectively reducing the leakage rate of the slides and improving the quality of work.
8. Slide grab has automatic adjustment positioning function, automatically reset after 3 failed capture and graphic and audible alarm
9. The slide out box has the function of putting it at any time and taking it at any time, and the machine automatically performs the operation; the machine without the exit box automatically detects and has the graphic sound alarm function.
10. The process of storing slides has the function of blocking automatic detection and resetting alarms.
11. Provides two modes of dry sealing and wet sealing. Users can switch between the conventional parameters as needed.
12. The alarm mode adopts various modes such as graphic display and sound, and the sound alarm automatically stops after 5 times.
13. Using large suction ultra-quiet exhaust fan, built-in replaceable activated carbon filter to enhance heat dissipation and effectively prevent air pollution
14. Size:600\*550\*650mm

### **Working conditions:**

- 1.Specimen slide throughput: 200~400pieces/hour
- 2.Specimen slide holders: 20~30pieces/holder
- 3.Output magazines: 30piece/magazine
- 4.Cover slip magazine capacity: 120~160 pieces /magazine
- 5.Specimen slide size: 26\*75mm
- 6.Cover slip size: 24\*50mm
- 7.Weight : 70kg

## **FALKE-005 Digital Pathological Slide Scanner**



### **FEATURES:**

1. The FALKE-005 is the most reliable and tested scanner model currently used in the world.
2. It suits the main requirement of almost 70% of all clients.
3. Precision line scanning technology ensures perfect quality at high speed.
4. Scans in only 40sec at 20X zoom, world's fastest scan at only 40s.
5. Simple operation. Automatically scans after closing the lid.
6. Access all images via Internet on any device, phone or ipad.
7. Cost effective 150-500 slide output per day.
8. Most popular model in the market in any robust environments.
9. Graded Magnetic Axis technology for accuracy.

### **TECHNICAL SPECIFICATIONS:**

1. Short Desc : 5 Slides Digital Pathological Slide Scanner
2. Acceptable Slides: 1in\*3in/2in\*3in
3. Capacity: 5 slides(150-500 slides per day)

4. Lighting: LED
5. Scanning Manner: line scanning
6. Objective Lens: OLYMPUS uplan apochromatic objective lens  
Numerical Aperture 0.75
7. Movement Control: linear magnetic axis motor control
8. Magnification: 20/40
9. Resolution: 0.5um/pixel(20X) 0.25um/pixel(40X)
10. Scanning Speed: 40sec/slide(20X,15mm\*15mm)  
100sec/slide(40X,15mm\*15mm)
11. Z-Stack Scan: yes
12. Focusing: automatic/manual
13. Precise Identification: yes
14. Label Identification: Bar code/QR
15. Image Format: JPEG/JPEG2000/BMP/TIFF
16. Work Station:CPU: Intel Core I7
17. Hard Disk:1TB
18. Memory:16G
19. Monitor:24Inch
20. Dimension(mm) :655\*680\*890mm  
780\*565\*880mm
21. Weight : 130kg

Packing : In Flight Case