

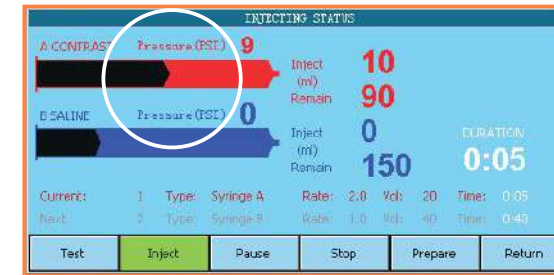
SinoPower series

| CT Injectors

SinoPower



Unique design of **"Direct Pressure Sensor"** protect patient
(Patent No.: ZL200920129005.9)



- Real-time injection pressure display
- When the actual pressure exceeds the limit, the system will automatically stop injection and give alarm
- Effectively reduce the swelling caused by vascular rupture (See the application case)

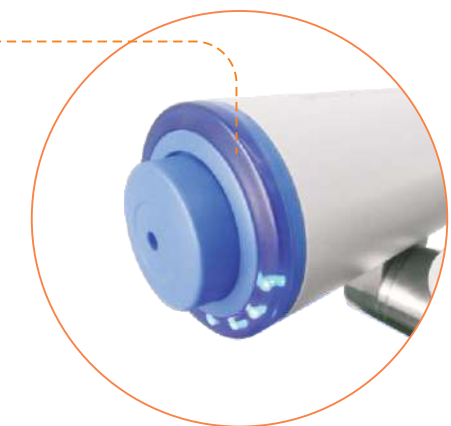
Local & remote real **color LCD** touch screen display



- Remote console: able to edit the protocols and execution of injection, synchronous display of all operations of the local console
- Local console: all actions can be performed, and synchronous display of all operations of the remote console.

LED rotation indicator

- LED clockwise rotation show the drug suction process
- LED counter clockwise rotation show the injection process



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SinoPower-D

SinoPower-S



Immediately stop the injection

- For the emergency, immediately stop injecting and prevent damage

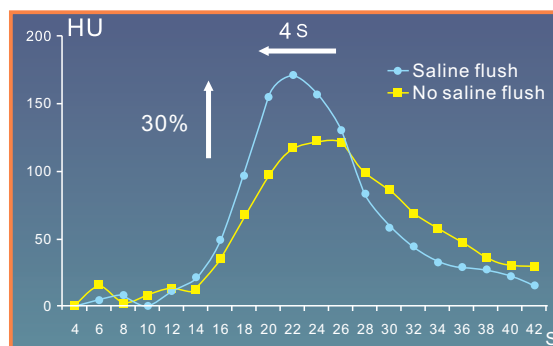


Large handhold and large wheel

- Easy to move and easy to fix the injector



Dual syringe injection, support saline flush function (SinoPower-D)



- Saline flush reduce the fake image and get better enhancement, improve the image quality

Syringe Maintainer 35°C ± 5°C (≥1hr)

- Maintain the temperature of the contrast media and saline, making the injection process more comfortable



Specifications of CT High-Pressure Injector

Model	SinoPower-S	SinoPower-D
Syringe	Single syringe	Dual syringe
Size of syringe	200mL sterile syringe for high-pressure injector	
Pressure limit	50 Psi ~300Psi	
Flow rate	0.1ml/s~10.0ml/s Step: 0.1mL/s	
Injection volume	0.1mL ~ Volume of syringe	
Injection delay	0~600s	
Injection phases	1~8 phases	
Injection protocol	Up to 120 protocols	
Control console	7 inch real color touch LCD for both local and remote	
Syringe heater	35°C ± 5°C (≥ 40min)	

Patented technology to protect patient

-Application of SinoPower High-pressure Injector

Patented technology of 'Direct Pressure Sensor' to monitor real-time injection pressure, the injector will give alarm and stop injection when the pressure is abnormal, effectively reduce the swelling caused by vascular rupture to protect patient

The application of SinoPower-D High-pressure Injector in Sun Yat-sen Memorial Hospital

The Sun Yat-sen Memorial Hospital is an internationally well-known hospital with long history. In early February 2009, a SinoPower-D CT Injector was brought into use in the radiology department working with Siemens Sensation 64 CT . After being put in use, the new equipment has shown outstanding performance. The docoters and nurses responsible for on-site operation highly praise it: " SinoPower CT Injector is very safe, convenient and stable in use, having excellent clinical performance!"



Unique and patented technology of 'Direct Pressure Sensor', avoid medical accident caused by leakage of liquid

Enhanced Scan Injection has some risks in clinical use, if the needle hole moves away from blood vessel or the blood vessel is ruptured, the liquid will percolate through the skin to cause severe swelling and even fester. Fortunately, the SinoPower-D High can perceive real-time injection pressure, once the pressure exceeds limit extremely, the injector will give alarm and stop injection immediately to greatly reduce swelling and avoid accident.

Oneday, when making enhanced scan on a girl from Foshan, liquid leakage and swelling happened due to the needle was a little away from the blood vessel, as the girl's blood vessel is a little bit narrow. SinoPower-D High injector successfully detected abnormal pressure and stooped injection immediately, a medical accident was avoided. Afterwards, the on-site doctor said: "Thanks to the machine, an accident is avoided in time, otherwise the consequence will be terrible."

Powerful functions and stable working

This CT department is very busy, more than 80 enhanced scan will be done per day sometime . In the peak time, there is case every 4-5 minutes, which covers scan of ordinary organs and brain. With so frequent use, SinoPower-D injector still works well all the time. During the 7 years after being put in use, several tens of thousands injections were finished without any problems, even under so intensive, long time and continuous use.