

## AUTOMATIC BITUMEN BREAKING POINT TEST APPARATUS SYD-0613A

The automatic bitumen breaking point test apparatus SYD-0613A provides a measure of the brittleness of bitumen and bituminous binders at low temperatures. It uses compressor refrigeration and air cooling, the cracks in the steel plaque are detected by a high-voltage detector, and the microcomputer controls the micromotor to drive the steel plaque to bend. It automatically controls the detection time, automatically stops cooling after detection, and locks the breaking point temperature.



**SINCE 2006**

**ZHUOZHOU TIANPENG INSTRUMENT MANUFACTURING CO., LTD.**  
Website: [www.testmould.com](http://www.testmould.com) Tel: +86-312-3852880



## FEATURES

- It adopts 7-inch color LCD touch screen and is easy to operate.
- The temperature-time curve and value are displayed in real time, and the data at each time point can be viewed.
- Using compressor for refrigeration, the cold bath is small in size and low in noise.
- A single-chip microcomputer is used to control the cooling rate, automatically detect the breaking point, and lock the temperature.
- Equipped with observation window, double-layer vacuum glass without frost.
- The motor drives the bending device to run up and down, smoothly and lightly.
- Equipped with preheating device, it can work continuously and shorten the waiting time.
- Historical test data can be viewed and exported to a USB flash drive for printing.

## TECHNICAL SPECIFICATIONS

Detection method	High-voltage detection (3500V, 0.25mA), microcomputer control
Cooling rate	1 °C/min
Cooling power	350W
Heating power	1400W
Bending motor	18W micro gear motor (60r/min)
Bending time	12±1s
Bending cycle	60s
Ambient temperature	5~30 °C
Relative humidity	≤85%
Total power	1600W
Power supply	AC220V±5% 50Hz
Dimensions	850×450×578mm