

ADVANCED  
ENGINEERING  
TECHNOLOGIES

**TES7RON**

Get The Right Solution

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# test for future

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## WHO WE ARE

Headquartered in Guangzhou, China, TESTRON GROUP is the home of Industrial and QC material testing equipment worldwide. Being an innovative industrial company for engineering equipment, we owe our technological leadership status to focusing on application-oriented solutions.

At TESTRON, we have a clear mission- to connect the world without costing the earth. Sustainability has always been at the core of what we do as a socially responsible business. We are proud of our heritage and track record for robust, long-lasting devices that don't end up in landfills before their time. Our approach to sustainability is continually evolving and improving as we work closely alongside our partners and customers to achieve our goals.

The key products from TESTRON include QC Material testing equipment for applications such Plastic, Polymers, Packaging, Pipe, Metal, Textile, Color, Concrete industries, Industrial Chillers, Plastic Recycling Systems and much more.

Quality is our business. We understand that the reliability of your product depends not only on the equipment that you purchase but also on the quality and commitment of the support that stands behind that equipment.

TESTRON offers an in-house team of engineers to assist your needs and ensure efficient, quick repairs to your equipment.

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# TT- IVS200 ViscoPlus

TT- IVS200 ViscoPlus Intrinsic Viscosity (IV) tester is an advanced test instrument designed for fast and safe intrinsic viscosity testing. It is designed according to ISO, ASTM, DIN and GB test standards. Our system can directly measure the intrinsic viscosity.



# TEST STANDARDS:

● ASTM D4603, ISO 1628, DIN 53728, GB/T 17931, GB/T 14190

## FEATURES

- Automatic Sample feeding: Minimize contact with chemical reagents to enhance safety and significantly reduce labor intensity
- Automatic Washing: Our automatic washing process makes the equipment completely automated and no contact with chemicals
- No need to disassemble the capillary viscometer: Reduce the damage to the capillary viscometer and scaling down the frequency of water changes in the water bath, which may result from a broken capillary viscometer.
- Continuous measurement: Adding the dissolved sample solution, it can test the viscosity continuously. Freeing up the operational staff and saves time.
- Multi-functional parameters:
  - A. It can complete the testing of kinematic viscosity, dynamic viscosity, relative viscosity, specific viscosity, viscosity number, intrinsic viscosity, viscosity average molecular weight and so on. All the viscosity calculation formulas are built in our software and very convenient for our users.
  - B. The serial extrapolation method can be completed easily, and the parallel extrapolation method can be completed by TT- IVS200 ViscoPlus
  - C. The data statistics function can be used to analyze the change trend of the sample and provide the basis for controlling the quality of the product.
  - D. Double field constant temperature will save the constant temperature time and improve the testing efficiency.





# TECHNICAL PARAMETERS

Measuring range	0.35~100000 mm <sup>2</sup> /s (Mpa.s)
Thermostatic medium	Water
Volume of bath	8L
Temp accuracy	Better than $\pm 0.01$
Time range	0~9999.999 s
Timing accuracy	0.001s
Temp range	15-65 °C
Temp fluctuation and uniformity	$\pm 0.01$ °C
Measure position	2 positions
Heating power	1kw
Applicable materials	PET,PBT,PA,PLA,PBAT,PGA,PS,SAN,PBT, PMMA,PCT,PA,PIB,TPU,PAM,PSU,PEN,PC, PLA,CA,PVC,SB,Chitin,PAN,TP and etc
Size	720*320*700 mm
Cooling system	200*360*380 mm
Control box	Built in
Sample feeding	Auto
Testing	Auto
Calculate result	Auto
Wash tubes	Auto
Dealing samples	12 samples
Software	Yes
Upgrade	1 position to match 6 sample bottles, upgrade to 9 bottles



## ADDITIONAL ACCESSORIES



### Analytical Balance/220g, 0.1mg

- Application: to check sample weight
- Max weight: 220g
- Readability: 0.1mg
- Linearity error:  $\pm 0.0002g$
- Stable time: 4s
- Temp PPM/K:  $\pm 3$

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### Balance/2000g, precision 0.01g

- Application: to check chemical weight



### Magnetic stirrer

- Application: for chemical mixing
- Speed range: 50-1500 rpm
- Max mixing volume: 2 L
- Magnetic stirrer: 20-40 mm
- Working plate: chemical proof
- Working plate temperature  $260^{\circ}C$
- Temperature precision  $0.1^{\circ}C/1^{\circ}C$
- Temperature sensor: PT100
- Power: 220V, 400W/1.8A

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### TT - P8 Sample dissolver/ $RT-150^{\circ}C$ , 8 positions

- Application: Polymer dissolving machine
- Measuring range: Room Temperature- $150^{\circ}C$
- Temp Accuracy:  $\pm 0.01^{\circ}C$
- Working voltage: 220V 50Hz
- Sample bottle capacity: 75 ml
- Temperature fluctuation and uniformity:  $\pm 0.01^{\circ}C$
- Dissolving position: 8 places
- Rev range: 200-1500 rpm
- Heating power: 1 kw





## TT- DFY-800C Grinder machine

- Application: Grinding if samples are pre-forms
- Power: 1800W
- Thickness: 20-300 mesh
- Speed: 25000 rpm
- Volume: 30-800g
- Working time: 1-3 minutes/ time
- Weight: 11kg
- Size: 23\*23\*39 cm

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## TT- YDS-10 Nitrogen tank (Empty)

- Application: for cooling/curing pre-forms
- Nominal volume: 10 L
- Diameter: 50 mm
- Outer diameter: 294 mm
- Height: 540 mm
- Empty weight: 5.6 Kg
- Full weight: 13.7 Kg
- Static liquid nitrogen storage days: 88
- Number of buckets:  $\Phi 36 \times 120$  (3 pieces)
- Leather protective cover: yes



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## TT- GHD-9410 Oven

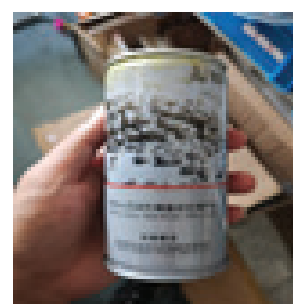
- Application: If the PET test sample moisture is high
- Power: AC220 V,50 HZ
- Temperature range: RT+10~250
- Temperature deviation:  $\pm 1.0$
- Temperature precision: 0.1
- Working temperature: +5~40
- Input power: 2050 w
- Volume: 136 L
- Inner size: 550x450x550 mm
- Out size: 840x580x730 mm
- Shelves: 2 pcs
- Timing range: 0~9999 min



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## PET standard chips

- Application: Reference material for calibration  
By measuring the viscosity of PET bottle-grade standard slices, it is used to calibrate the concentration of reagents and calibrate the instrument.
- Bottle grade, 300g, with certificate







# WHY CHOOSE US



## QUALITY GUARANTEED

Customers around the world purchased our equipment, we deeply realized that quality is the first and most. We control quality from the materials, electronic parts, controller, compressor, solenoid valve, pumps, lamps, accessories, and many assembly parts of the products. After the production is completed, we test its performance, inspect its functionality, go commissioning, work on calibration, and issue report for every step, to guarantee the quality. We also pay more attention to delivery and shipment. We guarantee delivery on time and have the obligation to advance delivery.

## THIRD PARTY INSPECTION

Our equipment accepts third party inspection, such as SGS, TUV, CSA, CE, ROHS and ISO 17025 upon request. Third part inspects on electric system, material, accessories and whole machines, and delivery. We closely cooperate with a third party to complete the inspection.



## WARRANTY

We provide 12 months warranty service. To guarantee our valuable customers to use our equipment in a better way, our service department directly provide pre-sale consultation, after sales service of training of installation and operation, fault handling, replacing accessories, and sending our engineers to their facility. Now we have some cooperated overseas local service stations to offer machines and service to our international customers.

## 24/7 AFTER SALES ONLINE SUPPORT

We have a dedicated team to service our valuable customers. We provide professional solutions, right equipment. accurate answers, and timely reply to our worldwide customers. When we get questions and requests, we reply within 24 hours to our clients.



## WELL-TRAINED AGENTS AROUND THE WORLD

Our agents and service centers around the world provide TESTRON products, installation, and maintenance service for users. Makes everything is simple and convenient.

CHINA OFFICE &  
PRODUCTION FACILITY :

#702, Paomadi Building,  
Tianhe District Guangzhou,  
521000, China

MIDDLE EAST OFFICE &  
SERVICE CENTRE :

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Al Mamzar, Dubai, UAE

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