

Digital Charpy Impact Tester

Model: SR-JC

Summary:

- Digital CHARPY impact tester is mainly used for the determination of impact toughness of nonmetallic materials such as hard plastics, reinforced nylon, glass fiber reinforced plastics, ceramics, cast stone, electrical insulation materials, etc.
- It is an ideal testing equipment for chemical industry, scientific research institutions, colleges and universities, quality inspection and other departments.



Features:

- This impact tester adopts micro-computer technology to manufacture, it's a intelligentize and digital impact tester. It can correct automatically energy loss caused by friction and wind drag. (After sample breakage, it's one-time finished for checking pendulum bob surplus energy and correcting the energy loss.)
- Adopt carbon fiber oscillating bar. On the direction of impact, improve the rigidity of materials and largest concentrate impacting mass on center of mass of pendulum bob, really do a no vibration impact test and increase service life.
- Adopts rotary encoder grating angular technology with high resolution digital encoder OMRON brand, high accuracy, good stability, big measurement ranges. Digital showing impact energy, impact strength, Pre-elevation, lead angle, average value, energy loss etc.
- The first domestic use of carbon fiber pendulum rod (patent applied), in the impact direction, improve the rigidity of the material, and the maximum impact mass concentrated on the center of mass of the pendulum, truly achieve no shock impact test, and the service life of the increase.
- The final results are automatically calculated, and 12 sets of data can be saved and the average value is calculated. English and Chinese operation interface can be selected, and J/ M, KJ/m², Kg-cm /cm, FT-IB /in and other units can be selected for test results. Built-in micro printer to print test data

Test standards :

- ※ Iso179-2000 "Determination of Impact Strength of Simply Supported Beams of Plastic-Rigid Materials"
- ※ GB/T1043 -- 2008 Impact Test Method for Rigid Plastics Simply Supported Beams
- ※ JB/T8762 -- 1998 Impact Testing Machine for Plastic Simply Supported Beam
- ※ GB/T 18743-2002 Impact Test Method for Simply Supported Beams of Thermoplastic Pipes for Fluid Transport
(Applicable to pipe Parts)

[Other test standards, pls kindly share with us, we support customize.](#)

Specifications:

Impact pendulum energy	1J, 2J, 5J, 7.5J, 15J, 25J, 50J (optional)
Display mode	Color touch screen(English/ Chinese Switch)
Power display Accuracy	0.01J
Impact velocity	2.9m/s or 3.8M/S
Pendulum elevation	150°
Distance between pendulum center and sample center	230mm、395mm
Jaw spacing	40mm、60mm、70mm、95mm
Blade fillet radius	R=2mm±0.5mm
Support edge fillet radius	R=1mm
Angle sensor accuracy	Original OMRON encoder, 0.01°
Power	220V±10% 50HZ
Machine weight	About 95KG
Impact blade Angle	30°

Model Choices:

Model	SR-JC-5D	SR-JC--15D	SR-JC-50D
Pendulum energy	1J、2J、4J、5J	7.5J、15J	25J、50J
Pendulum elevation			
Impact speed	2.9M/S	3.8M/S	

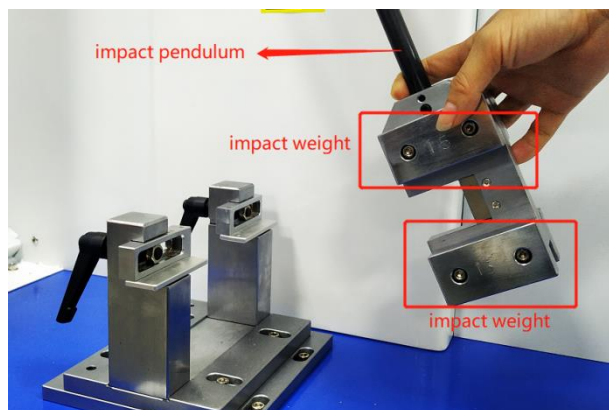
Accessories List:

Class	Name	Qty	Unit	Remark
Mainframe	Impact Tester	1	set	
	Toolkit	1	set	
Accessory	2J Impact pendulum	1	handful	SR-JC-5D
	4J / 5J Impact farmar	1	Pair	
	7.5J Impact pendulum	1	handful	SR-JC-15D
	15 Impact farmar	1	pair	
	25J Impact pendulum	1	handful	SR-JC-50D
	50J Impact farmar	1	pair	
	Sample fixture	1	set	Installed on the machine
	Wrench	1	set	
	Printer	1	set	Installed on the machine
	Printing paper	2	Reel	

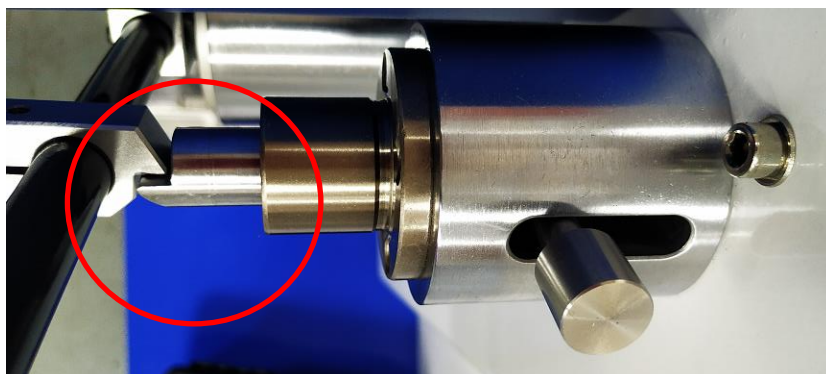
More Imagines:



Sample fixture



Standard impact weight



A device for lifting a weight to a high place and holding it in place.

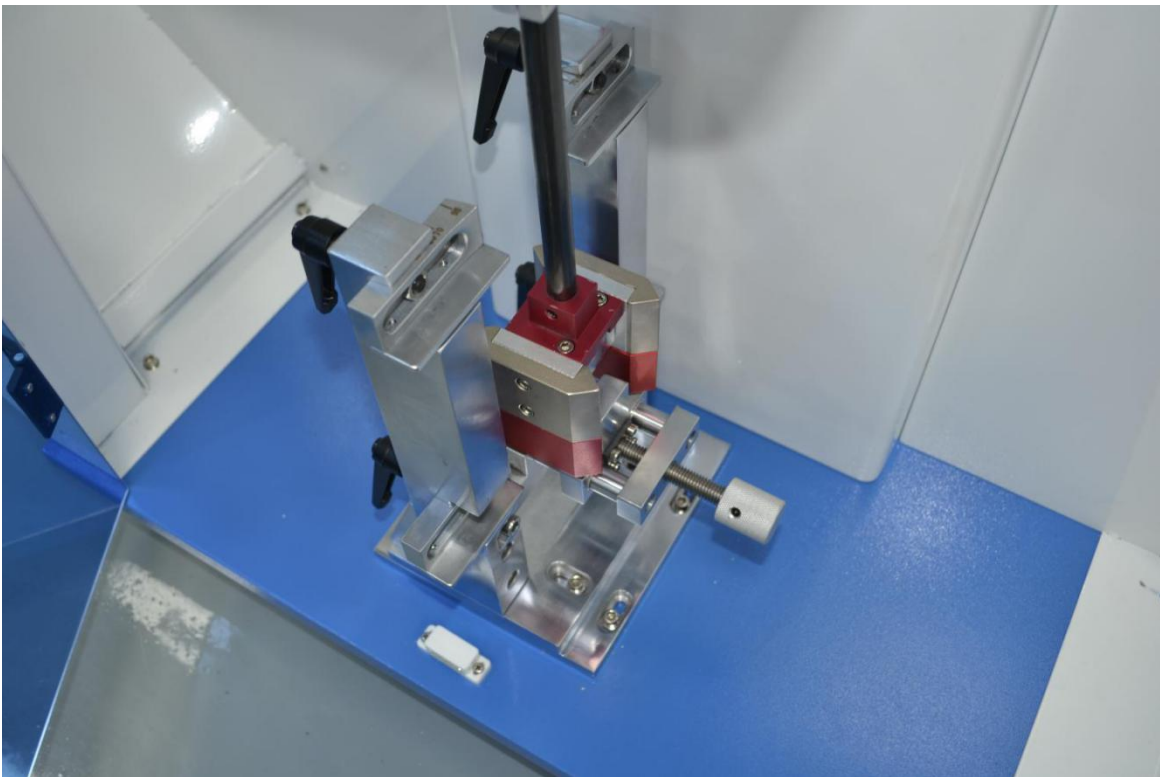


English panel



Chinese panel

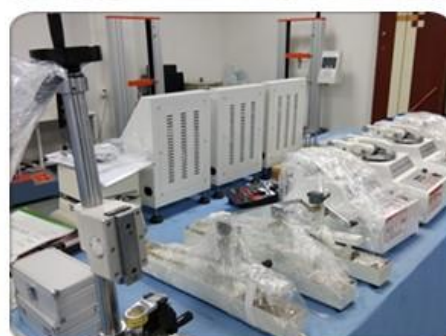
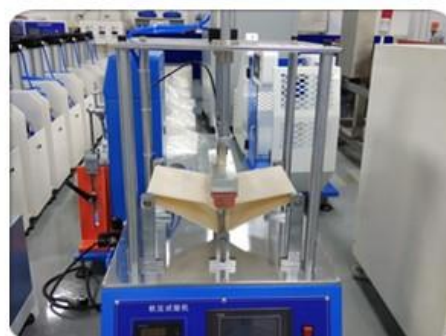
Digital color touch screen, can English/ Chinese switch, easy operate, result view directly



This fixture is IZOD fixture and Charpy fixture together, it mainly used in combines different impact power hammer together, normally depends on customer's needs.

What we produce? (always accept customize)

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|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers | 3. Environmental chambers |
| 4. Mobile/Laptop testers | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester | 8. Color testers | 9. Rubber/plastic testers |
| 10. Fabric testers | 11. Wire testers | 12. Other testers |



Professional packing

We have professional packaging teams and shipping forwarder to pack and deliver your products safely!

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.

