

## TY-4020A/4021A Pendulum Impact Tester



**TY-4020A CHARPY**



**TY-4021A IZOD**

### Equipment usage:

Mainly used for making plastics and hard rubber, glass fiber, glass fiber, glass reinforced plastics, electrical insulation materials, floor tile of pottery and porcelain, cast stone, friction material of simply supported beam and cantilever beam impact test.

### Applicable standard:

GB/T 1043-1043 "hard plastic beam impact test method"

GB/T 1843-1843 "plastic cantilever beam impact test method"

JB/T8761-1998 "plastic cantilever beam impact test"

JB/T 8762-8762 "plastic beam impact testing machine"

ISO 179:1993<Plastics-Determination of Charpy impact properties>

ISO 180:2000 <Plastics-Determination of Izod impact strength>

GB/T 18743-18743 "fluid with thermoplastic pipe transmission beam impact test method" (that is applicable to pipe impact)

### Features:

1. Choose imported high precision ball bearing, effective pendulum energy losses to a minimum
2. With high precision photoelectric encoder, to avoid the pointer of the friction energy loss, caused by the equipment operation is simple, easy to use
3. Using carbon fiber shock, reduce the error brought by itself quality factors
4. Can configure multiple pendulum and corresponding support, and easy to change
5. Can increase safety nets, improve the security performance of the tester
6. Equipped with a special liquid crystal display can display the impact absorbing energy and intuitive accurate without having to read data from the dial, without reading error, high accuracy, high efficiency



7. The built-in energy loss can be corrected, making the test results more accurate
8. The printer can print out the test report
9. Customized software + computer version is available

## Parameters

Model	TY-4020A		TY-4021A	
Name	Charpy		Izod	
Impact energy	1J, 2J, 4J, 5J	7.5J, 15J, 25J, 50J	1J, 2.75J, 5.5J	11J, 22J
Pendulum angle	150 °			
Impact speed	2.9m/s	3.8m/s	3.5m/s	
Distance between center of pendulum and sample	221mm	380mm	Distance between pendulum center and impact blade:335mm	
Distance between impact blade and jaw	40mm,60mm,70mm,95mm		Distance between impact blade and jaw	
Impact blade angle	30°		Blade radius: R=0.8mm	
Impact blade radius	R=2mm			
Size(L*H*W)	700×800×300mm		800×550×850mm	
Weight	90Kg	150Kg	90Kg	110 Kg
Power supply	220V 200W		220V 200W	