

## JBW-300B Computer Control Semi-automatic Charpy Impact Testing Machine

OPERATION MANUAL



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# 1 Application

Computer Control Semi-automatic Charpy Impact Testing Machine are mainly used to determine the anti-impact capability of metal materials under dynamic load.

Carry out the functions of zero clearing and automatic return, capturing the value of lost impact energy and pendulum cycle by means of setting up with computer program, and the results can be monitored, stored and printed out. Control box or computer program control is alternative operating method. Computer Control Semi-automatic Charpy Impact Testing Machine are adopted by many institutes and high-tech enterprises.

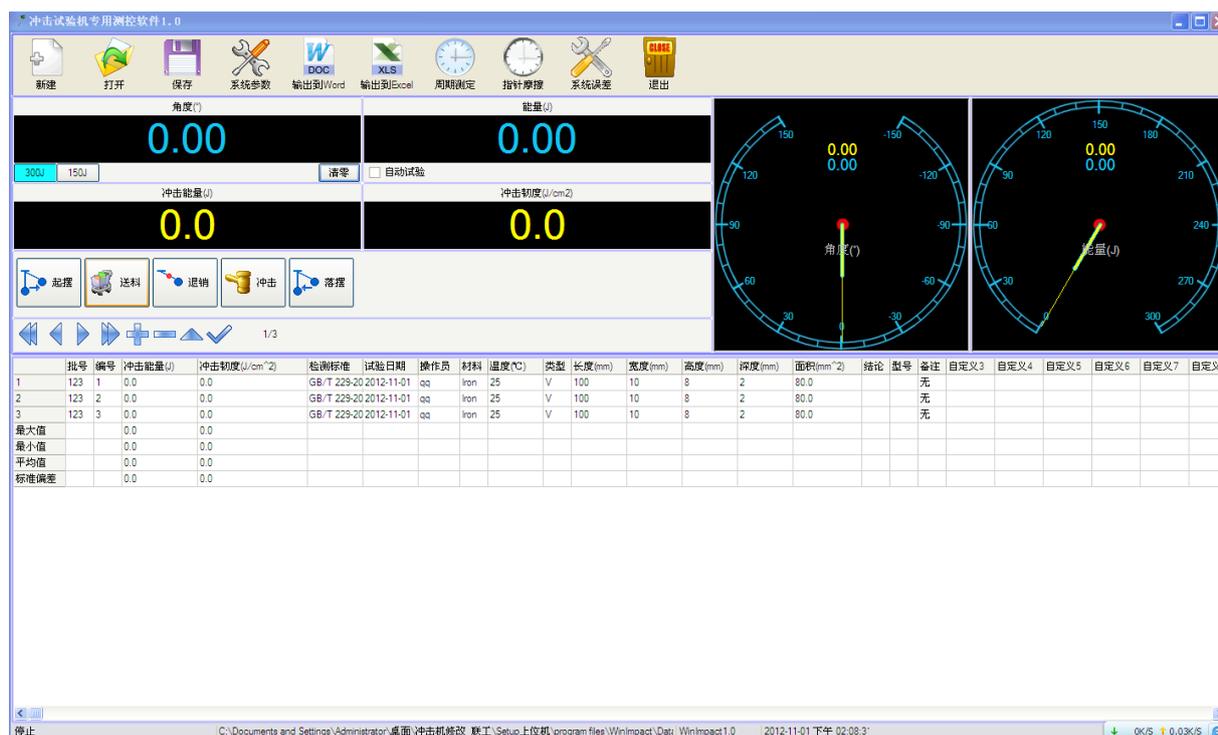
## 2 Standards

ASTM E23, ISO148-2006 and GB/T3038-2002, GB/229-2007.

## 3 Technical Specifications

Model	JBW-300B
Control Mode	Computer Control Automatic
Max. Impact Energy	300 J / 150 J
Min. Reading Values	1 J
Impact Speed	5.2 m/s
Pre-rising Angle Of The Pendulum	150°
Angle Accuracy	±0.1°
Specimen Bearer Span	40+0.2 mm
Round Angle Of The Jaw	R 1.0~1.5 mm
Round Angle Of Impact Edge	R 2.0~2.5 mm ( <b>Special Order: R8±0.05 mm</b> )
Thickness Of Impact Blade	16 mm
The Distance Between The Pendulum Shaft And Impact Point	750 mm
Standard Specimen Dimension	10 mm * 10 (7.5 or 5) mm * 55 mm
Impact Pendulum Configuration	150 J, 1 PC; 300 J, 1 PC
Host Appearance Dimensions	2124mm * 600mm * 1340mm
Weight	480 KG
Power Supply	3phs, 380V, 50Hz

## 4 Software Interface



## 5 Features

Fully automatic, sample feeding, auto position the sample; high efficiency;

Pendulum rising, impact, sample feeding, position, free releasing is realized automatically by easy PC mouse click;

Safety pin guarantees the impact action, standard protection shell to avoid any accident.

Pendulum will automatically rising and ready for next impact action after specimen breakout.

With two pendulums (big and small), PC software to display the energy loss, impact tenacity, rising angle, test average value etc. test data and result, also the curve display available; with calculation and report printing function. The dial scale can show test results too.

## 6 Standard Accessories

6.1	Main Unit	1 SET
6.1.1	Pendulum(JBW-300B, 300J/150J)	2 PCS
6.1.2	Internal Hexagonal Wrench (S=12mm)	1 PC
6.1.3	Span Specimen Plate (L=40mm)	1 PC
6.1.4	Specimen Centering Plate (L=40mm)(U, V)	1 PC
6.1.5	Stripping Attachment	1 PC
6.1.6	Anchor Bolts (M16*300mm)	4 PCS
6.1.7	Impact Testing Safety Guard Net	1 SET
6.2	Measurement And Control System	1 SET
6.2.1	High-precision Optical Encoder	1 PC
6.2.2	Lenovo Computer	1 SET
6.2.3	HPA4 Color Inkjet Printer	1 SET
6.2.4	Test Machine For Measuring And Controlling System	1 SET
6.2.5	Tester Dedicated Control Software Under Windows Operating Environment	1 SET