

## CBD-300 Pendulum Impact Testing Machines

### To Inspect Metal Properties, FPGA Unit Controlled



**Large Image :** CBD-300 Pendulum Impact Testing Machines To Inspect Metal Properties, FPGA Unit Controlled

#### Product Details:

<b>Place of Origin:</b> Shanghai China	<b>Minimum Order Quantity:</b> 1 set
<b>Brand Name:</b> Bairoe	<b>Price:</b> Negotiable
<b>Certification:</b> ISO 9001, CE	<b>Packaging Details:</b> wooden case with polyfoam inside
<b>Model Number:</b> CBD-300/CBD-500	<b>Delivery Time:</b> A month
	<b>Payment Terms:</b> 30 days after payment
	<b>Supply Ability:</b> 10 Sets / Month

## Payment & Shipping Terms:

## Detailed Product Description

### CBD-300 Pendulum Impact Testing Machines To Inspect Metal Properties, FPGA Unit Controlled

- Main applications: tenacious metals including iron and alloy.
- The product is controlled by a FPGA unit, which operates at a high speed and improved precision. It is integrated with a large storage for test data recording and saving and functionalities including automatic/manual printing. The buttons presents a convenient and highly efficient user-interaction interface.
- The pendulum returns to its initial position by exploiting the remaining energy when specimen breaks, getting prepared for the next impact. This product is reliable, stable and efficient on energy consumption, presenting greater advantages especially in labs, iron forging and machinery manufacture sites where great numbers of impacts are performed.
- This product is connected to a computer with a RS232 serial port or a USB port.
- This product complies with the standards and requirements of GB/T 3808-2002, GB/T 229-2007.
- The CBD series of touch-screen electronic pendulum impact testing machine is mainly designed to measure the impact-resistant performance of metals to inspect its properties under dynamic loads.

### Features:

- 160,000-color true-color touch screen for display and operate, featuring a beautiful and user-friendly interface.
- Controlled by a fast and accurate FPGA unit.
- Integrated with a large storage for testing data recording and saving.
- Support for automatic/manual printing.
- Impact energy displayed intuitively on the LED screen in a large font size.
- Capable of communications with a computer, enabling computer software controlled operations.
- Software logic protection on installing, latching, unlocking and releasing, eliminating operation mistakes.
- Specially designed control panel, beautiful and easy-to-use.

### Technical Specifications:

Model	CBD-300	CBD-500
Impact energy	300J/150J	500J/250J
Dial range and graduation		
Impact energy range	0~300J/0~150J	0~500J/0~250J
Rotation resolution	0.025°	
Energy resolution	2 places after decimal point	
Pendulum torque		
Pendulum impact energy	300J/150J	500J/250J
Pendulum torque	160.7695N·m / 80.3848N·m	267.9492N·m / 133.9746N·m
Release angle	150°	
Distance from striking center to support center	750mm	800mm

Impact speed	5.2m/s	5.4m/s
Anvil span	40mm	
Anvil radius	1~1.5mm(GB/T 3808,GB/T229) 1mm:Optional	
Anvil taper angle	0°	
Striker edge radius	2~2.5mm(GB/T 3808,GB/T229) 8mm:Optional	
Striker tip angle	30°	
Striker thickness	16mm	
Specimen dimensions	10×10×55mm <sup>3</sup>	
Power supply	Three-phase, four-wire, 300W/AC380V/50Hz	Three-phase, four-wire, 600W/AC380V/50Hz
Frame dimensions	2124×600×1340mm <sup>3</sup>	2224×600×1450mm <sup>3</sup>
Weight	Approx. 450 kg	Approx. 600 kg