

HST-BLD30 Intelligent Electronic Peel Tester



Product Introduction :

The HST-BLD30 Intelligent Electronic Peel Tester is a high-precision material mechanical property testing instrument designed for universities, research institutes, and high-end quality inspection agencies. Its core advantage lies in precise measurement of small force values. Utilizing leading intelligent sensing technology and a highly stable drive system, this equipment enables accurate quantitative analysis of the mechanical properties of various films, composite materials, and adhesive products.

This instrument is widely used for testing key indicators such as peel strength, shear properties, and tensile breaking strength of materials including adhesives, release paper, pressure-sensitive tapes, self-adhesive labels, composite films, artificial leather, woven bags, films, paper, and electronic carrier tapes. Its outstanding high-precision force measurement system can capture minute changes in force, ensuring high-resolution and repeatable test data, making it particularly suitable for research and quality control scenarios with stringent accuracy requirements.

The BLD-30N not only features a compact structure and intelligent operation, but also ensures the stability and

reliability of data output, making it an indispensable and efficient testing tool in the field of materials science research.

Technical parameters:

index	parameter
Test force	3, 5, 10, 30, 50, and 100N are available .
Standard test force	30N
Operation method	Professional testing machine control software with LCD touch screen
Test methods	180° adhesive tape peel
Measurement range	0.5 %–100% of the maximum test force
Precision level	± 0.5 %
Test force accuracy	Better than ± 0.5 % of the indicated value
Deformation display error	Better than ± 0.5 % of the indicated value
Test force resolution	0.00 1N
Displacement resolution	0.001mm
Deformation accuracy	Better than ± 0.5 %
LCD display content	Test force, displacement, peak value, operating status, operating speed, etc.
Continuously variable speed	Stepper motor and control system adopted
driving method	Stepper motor synchronous drive
Speed range	0.1 mm/min ~~50 0 0 mm/min
Test route	500mm (excluding clamps)

Test protection function	Overload protection , leakage protection, limit protection, travel protection, speed protection
power supply	AC 220V 50Hz
External dimensions	Main unit: 900mm (L) × 300mm (W) × 250mm (H)
net weight	Approximately 23 kg

HST GROUP Co., LTD.

Jinan Hensgrand Instrument Co., Ltd.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Phone/WhatsApp: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com