



东莞中力仪器科技有限公司

ZhongLi Instrument Technology Co., Ltd.

# Introduction

**Name: ZL-8008 Steel Strand Electro-hydraulic Servo-type Testing Machine  
(100,300,600,1000,1200,2400)**



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**Introduction:**

**ZL-8008 Steel strand electro-hydraulic servo-type testing machine** is mainly used for metal and nonmetal materials tensile, compression, bending and other mechanical properties testing, accompanied by increased shear shear test can be done. The machine is equipped with computers, printers, electronic extensometer, universal testing optical encoders and software, can accurately determine the metal material tensile strength, yield strength, provides that non-proportional extension strength, elongation, modulus and other mechanical properties. You can check and print test results (force - displacement, force - deformation, stress - displacement, stress - deformation, force - time distortion - time) six curve and related test data with the software self-test function that can self-diagnose problems, See software description. It is industrial and mining enterprises, research institutes, universities, engineering quality supervision station ideal for test equipment and other departments.

**Host:**

Adopt oil cylinder under mounted type host, stretching space is at the top of host, compression test space is between the at the work table and the crossbar .

**Transmission system:**

Down beam go up and down by the use of motor reducer, chain drive mechanism, vice screw drive, to achieve tensile, compression of space to adjust.

**Hydraulic System:**

The oil tank is sucked through the filter screen and be inhaled pump oil ,through the petroleum pipeline of oil pump transport to oil valve, When the hand wheel to send off the oil, due to the role of oil will push the piston, the oil from the return pipe to tank, when the hand wheel to open get the oil, then the working fluid into the fuel tank through the tubing, pressure tubing through and through oil return valve to tank.

**Control system:**

- 1.Support for tensile, compression, shear, bending and other tests;
- 2.Support open editing test, editorial standards and editorial procedures, and to support export import testing, standards and procedures;
- 3.Support custom test parameters;
- 4.Adopt an open statement in the form of EXCEL, to support user-defined report format;
- 5.Print the query testing results flexibility, support for printing multiple samples, custom sorting print projects;
- 6.Procedure supports hierarchical management levels (administrator, tester) user management rights;

**Safety protection device:**

- a) When the test force more than 3% of the maximum test force, the overload protection, oil pump motor shut down.
- b) When the piston rises to the upper limit position, stroke protection, pump motor shut down.

**Fixture:**

sensile fixture (according to customer)

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**Main performance technical specifications:**

Max load KN	100	300	600	1000	1200	2400
Range	whole journey didn't sub-file ,equivalent 3 grade				whole journey didn't sub-file ,equivalent 4 grade	
Test force measuring range KN	4%-100%FS				2%-100%FS	
Test Force showed the relative error	≤indicating value±1%					
Test Force Resolution	0.01kN					
Displacement measurement resolution mm	0.01					
Deformation measurement accuracy mm	±0.5%FS					
Maximum tensile test space mm	550	650	750	900	1000	
Compression space mm	380		460	700	900	
Diameter of round specimen clamp jaw mm	Φ6-Φ26	Φ13-Φ40		Φ13-Φ60	Φ15-Φ70	
Thickness of flat specimen clamping jaws mm	0-15	0-15/15-30		0-40	0-70	
Maximum clamping width of the flat specimen mm	70	75		125	80	
Maximum clamping width of the flat specimen(Column number)	2	2/4		4		
Shear specimen diameter mm	10					
Upper and lower compression plate size mm	Φ160(option 204×204)					
Clamping method	Manual clamping	Automatic clamping				
The maximum distance between the fulcrum bending	450				—	
Space stretching from the two	450	550/450		700	850	

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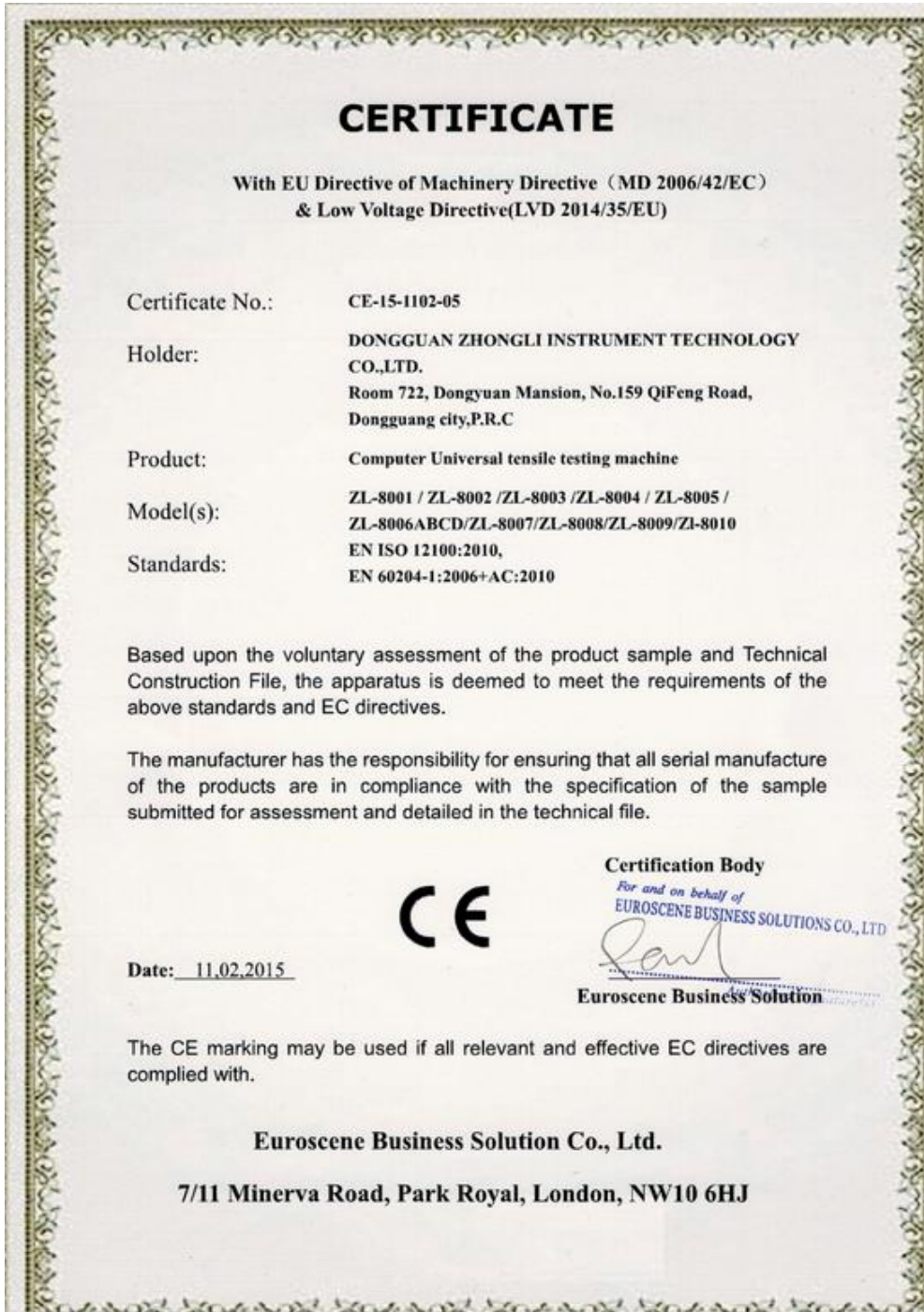


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pillars distance			
Pump motor power KW	1.1	1.5	3
Beam moves up and down motor fixed rate KW	0.75	1	1.5

**The CE certificate:**



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