

## Hydraulic Servo Universal Testing Machine HLL-7000 Series



### Features

XBD4000 series is servo hydraulic loading system and motor driving and a rugged four or six columns structure for exceptional load frame rigidity.

It has dual spaces for tension test and compression test or other tests(need corresponding grips) respectively. An adjustable lower crosshead quickly accommodates specimens of varying lengths. In the case of additional length of columns, the maximum testing space is adjustable to meet extra length specimens. Positive specimen holding is ensured by the wedge action of hydraulic operated grips.

The machine is equipped with manual valve to control force loading and has a force range Afrom 200kN to 3000kN and maintains an accuracy of +/- 1% of displayed load from 2% to 100% of capacity.

The systems are in compliance with ASTM, ISO6892, and other equivalent international standards.

### Technical Parameters

Model	HLL-7250	HLL-7350	HLL-7550	HLL-7650	HLL-7160D	HLL-7260D
Code#	513-221K	513-321K	513-421K	513-521K	513-631K	513-731K
Max. force	200KN	300KN	500KN	600KN	1000KN	2000KN
Number of	6	6	6	6	6	6

Column						
Accuracy Level	Class 0.5/1					
Force Range	1% - 100% of capacity					
Load indicating accuracy	1% of indicating					
Load Resolution	1/300,000 or better					
Displacement indicating accuracy	0.5% / 1.0% of indicating					
Displacement Resolution (mm)	0.013					
Deformation indicating accuracy	0.5% / 1.0% of indicating					
Clearance between Columns(mm)	440	440	480	480	570	640
Maximum Tension Space(mm)	550	550	580	580	580	920
Maximum compression space (mm)	550	550	580	580	580	750
Diameter of Round Specimens (mm)	10-32	10-32	13-40	13-40	15-55	15-70
Thickness of Flat Specimens (mm)	2-15	2-15	2-30	2-30	2-40	10-70
Diameter of Compression Platens(mm)	120	120	150	150	200*200 (square)	240
Stroke of Piston (mm)	150	150	250	250	250	250
Position Speed	0-180	0-180	0-140	0-140	0-90	0-70
Security Protection	There are security protections of over-load, travel limits, oil pressure, over-temperature, over-voltage and others					
Dimension of Load Frame(L*W*H mm)	670*450*1900mm	670*450*1900mm	740x540x2100mm	740x540x2100mm	840*640*2200mm	1370*820*3300mm
Dimension of Hydraulic Power Station (L*W*H mm)	1150*600*900					
Total Power (kW)	5	5	6	6	6	8
Weight	1500	1500	2500	2500	3500	8000