



## Features:

- **Adjustable Test Space Gap**
  - 3 Level test spaces
  - Tool-free to adjust
  - Test space enlargeable by customer order
- **Hydraulic Tension Clamp**
  - Automatically clamp by hydraulic driven
  - Wedge clamp auto-lock by loading
  - Round and flat grip changeable for different shape of sample
- **Cross Beam**
  - Drove by motor and worm-gear
  - Heavy duty design, long life testing
  - Remote control up & down and clamping
- **Extensometer**
  - High precision for deformation sensor
  - 0.4% to 100% test range of full capacity
  - 5,10,25,50,100,200,250mm gauge length selectable
  - 1%, 5%, 10%, 25%, 50% deformation range of gauge length
- **Compression and Bending space**
  - Spherical seat compression plate
  - 3 or 4 point bending selectable
- **Hydraulic loading cylinder**
  - Micron level clearance sealing instead of O-ring sealing
  - Hydraulic sensor easy maintain and changeable
- **Pressure Meter**
  - For equipment safety
  - Loading pressure indicated
  - Clamping pressure indicated
- **Oil Temperature control**
  - Real time temperature indicated
  - Auto cooling when heavy testing duty



- **Software**
  - Used in all popular Windows OS
  - Multi-language supported by order
  - Excel test report
  - Microsoft access data base supported
  - Multi-curve supported for test data
  - Rp0.2, Rt0.5 calculated automatically
  - User programmable and parameter settable for all different test standards
  - Calibrating automatically.
- **Control Card**
  - PCI or PCI-E slot
  - Double input channel of resolution of 1/300000 A/D
  - Two digital input channel
  - 4 pair digital bit input and 4 pair bit output
  - Pulse out put to servo driver
  - Load, deformation, displacement 3 close loop control



**Specifications:**

Model	UH6430		UH6460		UH64100		UH64200		
Maximum Force (kN)	300		600		1000		2000		
Machine Type	Double Column, Floor Mount								
Measuring Range of Force (kN)	2%-100% of full load capacity								
Accuracy	±1% of indicated value								
Resolution of Displacement	0.01mm								
Accuracy of Deformation Measurement	±0.5%F.S								
Control Range of Stress Speed	1-60MPa/S								
Control range of displacement speed	0.5mm/min-50mm/min								
Clamping Diameter for Round Specimen	Ø10-32mm		Ø14-40mm		Ø14-60mm		Ø20-70mm		
Clamping Thickness of Flat Specimen	0-15mm		0-30mm		0-40mm		0-50mm		
Clamping Width of Flat Specimen	70mm		80mm		120mm				
Testing Space	Tension	750mm		800mm		750mm		900mm	
	Compression	650mm		700mm		650mm		800mm	
Compression Platen Size	Ø130		Ø180		210 x 210		Ø240		
Distance of Bending By Pass Roll	60-450mm		100-450mm		100-600mm				
Maximum Piston Stroke	250mm								
Working Environment	Room temperature 10°C~40°C, relative humidity≤90%								
Power Supply	3P~380/220v±10%, 50/60Hz								
Dimensions (mm)	Host Machine	905×580×2260		905×580×2325		1070×850×2530		1250×850×2800	
	Control Cabinet	600×600×1165		600×600×1165		600×600×1165		1070×810×1730	
Weight (kg)	2700		3000		4100		7000		

• **Standard Accessories Supplied**

- o Tension Test Fixtures (up to 50mm wide)
- o Compression Test Fixture (Ø100mm)
- o 3-Points Bending Test Fixture
- o Extensometer (gauge length: 50mm, deformation: 25mm)
- o Hydraulic Pressure Sensor
- o Control Card
- o Servo Valve
- o Encoder
- o Software
- o Installation Tools





**Optional Accessories List:**



Wedge Tension 1



Wedge Tension 2



Pneumatic Tension



Flat Tension



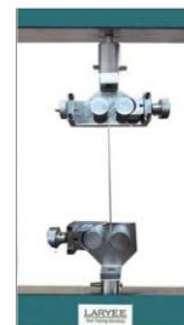
Film Tension



Opposite Peeling



Thread Tension 1



Thread Tension 2



Bolt Tension



Nail Withdraw



3-Points Bend



Shear



4-Points Bend



Compression Plate



Wood Shear



Wood Bending