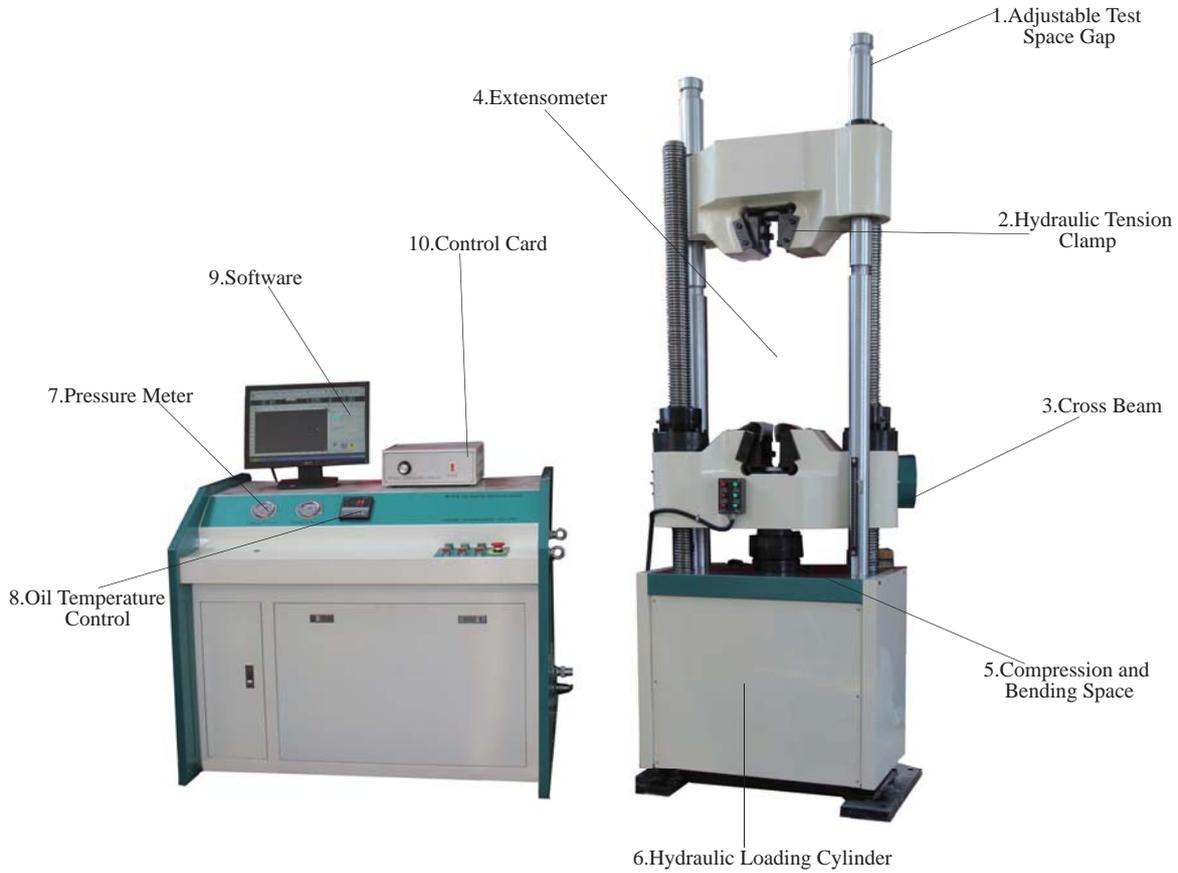


# Computer Control Servo Hydraulic Universal Testing Machine



## Model Definition U H 6 4 100

·U·

symbol	Testing
U	Universal
T	Tensile
C	Compression

·H·

symbol	Load drive
M	Manually
E	Motor
H	Hydraulic

·6·

symbol	Machine type
5	Screw drive beam
6	Worm and gear drive beam
7	Single space
8	4 support columns

·4·

symbol	Display or control
1	Mechanical indicate
2	Digital indicate
3	Computer indicate
4	Computer servo

·100·

symbol	Load capacity
kN	For mortar drive
ton	For hydraulic type

### 1. Adjustable Test Space Gap

- 3 Level test spaces.
- Tool-free to adjust
- Test space enlargeable by customer order

### 2. Hydraulic Tension Clamp

- Automatically clamp by hydraulic driven
- Wedge clamp auto-lock by loading
- Round and flat grip changable for different shape of sample

### 3. Cross Beam

- Drove by motor and worm-gear
- Heavy duty design, long life testing
- Remote control up & down and clamping

### 4. 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

### 5. Compression and Bending space

- Spherical seat compression plate
- 3 or 4 point bending selectable

### 6. Hydraulic loading cylinder

- Micron level clearance sealing instead of O-ring sealing.
- Hydraulic sensor easy maintain and changeable

### 7. Pressure Meter

- For equipment safety
- Loading pressure indicated
- Clamping pressure indicated

### 8. Oil Temperature control

- Real time temperature indicated
- Auto cooling when heavy testing duty

### 9. 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.

### 10. 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

## Specification

Model		UH6430	UH6420	UH6460	UH64100	
Maximum force(kN)		300	600	1000	2000	
Measuring range of force(kN)		2%-100% of full load capacity				
Accuracy		±1% of indicated value				
Resolution of displacement measure		0.01mm				
Accuracy of deformation measure		±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(mm)		Ø10-32	Ø14-40	Ø14-60	Ø20-70	
Clamping thickness of flat specimen (mm)		0-15	0-30	0-40	0-50	
Clamping width of flat specimen(mm)		70	80	120	120	
Testing space	Tension	750	800	750	900	
	Compression	650	700	650	800	
Compression plate size		Ø130	Ø180	□210×210	Ø240	
Distance of bending by pass roll(mm)		60~450 mm	100~450 mm	100~600 mm	100-600mm	
Maximum piston stroke(mm)		250				
Working environment		Room temperature 10℃ ~ 40℃ , relative humidity≤90%				
Power supply		3P~380/220v±10%, 50/60Hz				
Overall dimension (mm)	Host machine	905×580×2260	905×580×2325	1070×850×2530	1250x850x2800	
	Control cabinet	600×600×1165	600×600×1165	600×600×1165	1070x810x1730	
Weight(kg)		2700	3000	4100	7000	

## Accessories

Description	UH64xx Sereis
Standard accessories	Tension, Compression, 3-Points Bending Test Accessories, Hydraulic Pressure Sensor, Control Card, Servo Valve, Extension meter, Encoder PC, Printer, Pipe, and install tools.
Optional accessories	Shearing Test Accessories, Rebar Tension grips , Bolt tension grip Specified Extensometer Extension meter calibrator Load Calibrator