# Computer Control Electronic UniversalTesting Machine



# Model Defination <u>U E 3 4 300</u>

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symbol	Testing
U	Universal
Т	Tensile
С	Compression

Low noise

•Accurate loading speed and loading position

.3.

symbol	Machine type			
1	Single Benchtop			
2	Double Benchtop			
3	Double Floor Stand			

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symbol	Load drive		
M	Manually		
Е	Motor		
Н	Hydraulic		

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symbol	Load Capacity				
kN	For Motor drive				
ton	For Hydraulic type				

.4.

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



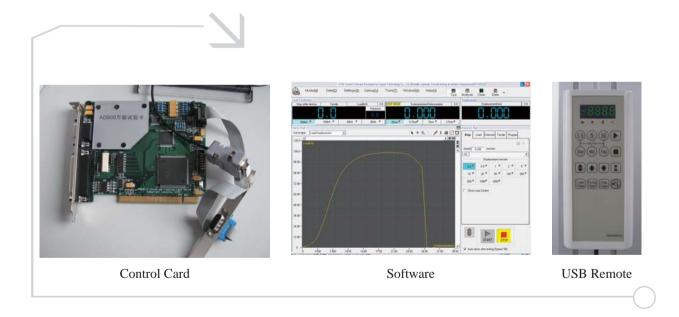
## Specification

Model		UE1401/02/05	UE2401/02/05/10 <b>/2E</b>	34 <b>3EG</b> 450/100	UE34200		
Maximum force(kN)		1/2/5	1/2/5/10/20	50/100	200	300	
Machine type		Single	Double	Floor	Floor	Floor	
Measuring range of force (kN)		0.4%100%F.S					
Resolution	of force	1/300000 of maximum force					
Accuracy of dis measur		±0.5%					
Resolution of d	isplacement	0.1 μm					
Accuracy of deforma	ation measuring	±0.5%					
Speed range of displa	acement control	0.01-500mm/min (Max 1000mm/min as special order)					
Speed range of f	force control	0.005-5% F.S / S					
Speed range of defo	rmation control	0.005-5% F.S/S					
Range of constant displacement, force and deformation		0.5%-100% F.S					
Speed controlling	ng accuracy	$\leq \pm 1.0\%$ of the set value					
Valid tension testi	ng space(mm)	800	800	650	600	600	
Compression testi	ng space(mm)	900 900		900	1000	1000	
Valid width between	n columns(mm)		400	600	580	600	
Tension sample	Flat grips	0~20	0~14	0~14	0~20	0~20	
clamping (mm)		/	Ø4~14	Ø4~22	Ø9~26	Ø9~26	
Power supply		1P~220V, 1-3 kW, 50/60Hz 3P~380V/220V, 4-7.5 kW, 50/60Hz					
Working environment		Room temperature 10 °C ~ 40 °C, relative humidity≤90%					
Over dimension without PC table (mm)		600×420×1800	830×550×1950	1050×800×2250	1150×870×2450	1250×900×2650	
Weight(Kg)		300kg	600kg	1500kg	1800kg	2000kg	



#### **Control System**

- ※ High accuracy Load cell, Encoder and optional extensometer to test the force, displacement and extension. Reading resolution can be 1/300000 of full range. Computer 3 close-loop control testing mode of load, displacement and extension.
- X Large Extension and Digital gauge input channel for special test of deformation.
- X Speed control from 0.01 to 500mm/min (special 1000mm/min) by servo motor.
- X PCI computer control card to get the test value and control the servo motor
- X Multi-languages supported, Data saves and transports to Microsoft Words, Excel.
- X Database function, allow customer define test method, real-time test point value, value result formula and test report format.
- Multi sensor supported. Max 4 load cell, 4 strain gauge extensometer, 1 large deformation extensometer and 1 digital gauge can be defined.
- \* Metric and British unit exchanging supported mm, N, KN, kg and inches, lbs and pound.
- X Calibration automatically and easily
- X Two grade of user administrate system for common operator and system administrator
- X Remote controller adjusts the machine crosshead before test and operate the test conveniently.
- X Support different version of Microsoft windows OS of WinXP, Vista, Windows 7 and etc.



#### Standard Accessories

Wedge Tension, Compression Plate, 3-Points bending accessories; Encoder installed; Load cell installed; Servo motor and controller built in; Extensometer; DSP PCI Control card; Installation tools; PC and Printer.

### **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