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**6m/min High-Speed Tensile Testing Machine For Aluminum Alloy Sheet Strip**

**Product description:**

6m/min High-Speed Tensile Testing Machine For Aluminum Alloy Sheet Strip



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PRODUCT DETAILS    PRODUCT VIDEO

**1 .Application:**

1.1 6m/min & 100mm/s & 240in/min Strain Control High Speed Tensile Testing Machine , test and Research on High Strain Tensile Properties of Body Coverings, Body Structures, Aluminum and Aluminum Alloy Plate and Aluminum and Aluminum Alloy Strips for Passenger and Passenger Cars

1.2 It is used for high-speed tensile of aluminum alloy composite strip, high-speed tensile of aluminum and aluminum alloy coating strip, high-speed tensile of aluminum alloy foil, high-speed tensile of aluminum alloy sheet strip of battery shell, high-speed tensile of aluminum alloy sheet of battery cover, high-speed tensile of aluminum alloy sheet of high-speed train, high-speed tensile of aluminum alloy strip of cable, high-speed tensile of aluminum alloy sheet of tank car, high-speed tensile of aluminum and aluminum alloy sheet of rail transit, high-speed tensile of aluminum alloy profile of vehicle structure, high-speed tensile of aluminum and aluminum alloy sheet strip of industrial use, high-speed tensile of deformed aluminum and its alloy sheet.

1.3 High-speed tensile of aluminum alloy composite strip, high-speed drawing of aluminum alloy coated strip, aluminum alloy foil

1.4 The real stress-strain test and research of high-speed tensile, filling and reinforced composite can be completed.

**2. Test standard :**

ISO6361-2-2014 ; ISO6892-1-2016 ; JIS H4000-2014 ; EN1396-2015 ; EN10002-1 ; EN485-2 ; EN14024 ; ASTM B209M-07 ; ASTM E8M-04 ; ASTM E9-89a(2000) ; ASTM E8M-08 ; AAMA TIRA8-08 ; SAE J2749 ; GB/T33227-2016 ; GB/T30069.1-2013 ; Aluminium and aluminium alloy sheets and strips used for motor ; Coated aluminum and aluminum alloy strips for electrical components ; Aluminium alloy clad sheets , hrjtest.com ; strips and foils for brazing ; Aluminium and aluminium alloys plates,sheets and strips for cans and caps of new energy power batteries ; Aluminium and Aluminium alloys used on EMU.Part4:Profiles ; Copper clad aluminum plate , sheets and strips ; Wrought aluminium alloy extruded profiles for architecture-Part6:Thermal barrier profiles ; Test pieces and method for tensile test for wrought aluminium and magnesium alloys products ; jnshiyanj.com ; Wrought aluminium and aluminium alloys-Sheets,strips and plates-Part2:Mechanical properties ; Metallic materials-Tensile testing at high strain rates-Part1:Elastic-bar-type systems ;

**3.Technical Parameters**

Model	WDW-10kN	WDW-20kN	WDW-50kN	WDW-100kN	WDW-300kN
Max. Load(kN)	10	20	50	100	300
Tensile space(mm)	800	800	700	700	550
Compression space(mm)	800	800	700	700	550
Effective test width(mm)	400	400	500	550	600
Ambient temperature	+10 ... +35 °C				
Conformity	ISO 9000 and CE				
<b>Force transducer</b>					
Load accuracy	Standard	Class 1, Conforms to EN 10002-2 Grade1, ISO75001-1 Class 1, BS 1610 Class 1, ASTM E4, and JIS B7721 Class 1			
	High-Precision	Class 0.5, Conforms to EN 10002-2 Grade0.5, ISO75001-1 Class 0.5, BS 1610 Class 0.5, ASTM E4, and JIS B7721 Class 0.5			
Load range	2% ~ 100%F·S/ 0.2% ~ 100%F·S				
Load resolution	1/500000				
<b>Displacement transducer</b>					
Resolution of deformation	0.04um				
Accuracy of displacement	Within±0.5%of indicating load				
Resolution of displacement	0.01mm				
<b>Drive system</b>					
Motor	AC servo-motor				
Test speed(mm/min) Stepless	<b>6m/min &amp; 100mm/s &amp; 240in/min</b>				
Speed accuracy	±0.1%				
Power supply	AC220V±10% , 50Hz/60Hz (can be customized)				

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