



UNIVERSAL TESTING MACHINE : HIWA 200

The HIWA 200 Universal testing machine is used for various tests such as Tensile, Compression, Tear, Adhesion, Bending, Shear and so on. Some of the products and materials which can be tested by means of this machine are:

- Rubber and other elastic materials .
- Plastics and thin film of GFK and CFK.
- Steel wires or thin woven ropes .
- Thin metal sheets or foils .
- Textiles .
- Multi - layer woods .
- Springs .
- Various packagings.
- Gloves .
- and so on.

The test is run under static constant or increasing load . The general approach is applying an initial load and then test load to the specimen until the specimen breaks .The behaviour of material (Stress - Strain curve) is recorded and monitored by computer and printed out by printer if desired. The testing machine is fully controlled by a software via a computer attached to the machine . The software is so designed that training is possible in very short time and using of software is very simple . Saving of data and re-monitoring is also possible .



Specification : (Extensometer is optional)

Models		2121	2122	2125	2126	2127	2128
Max. load	Kgf	100	500	500	1000	3000	5000
Speed(Max)	mm/min	1000	1000	1000	750	500	500
Space between columns	(mm)	Single column	Single column	440	440	440	440
Total vertical test space	(mm)	800	1100	1300	1300	1300	1300
Position control resolution	(mm)	0.002					
Height	(mm)	1000	1350	1600	1600	1600	1600
Wide	(mm)	500	500	1000	1000	1000	1000
Depth	(mm)	500	500	900	900	900	900
Weight (appr.)	Kgf	90	150	260	320	450	800
Power supply	VAC/ Hz	220 / 50					

Note 1 : Softwares OS : Windows XP

Note 2 : We have other softwares for universal tests such as compression , tear , adhesion ,

Note 3 : Accessories like Extensometer , Conditioning Chambers , Various Grips and other peripheral equipments are available .

Note 4 : The above specifications were developed in accordance with Hiwa's standard procedures and are subject to change without notice .

Drive system :	AC Servomotor with Driver
Moving system :	Ball screw with guides
Grips	Self-locking (wedge type), or by order
Computer	Pentium IV or higher
Monitor	LG(17inch)
Printer	HP Laserjet 1018
Data Acquisition & Monitoring	Simultaneously
Software Results	Standard output (Updating by order)



