

Geotextile Universal Testing Machine

GT-111TSG/GT-111TIG
GT-111THSG/GT-111THIG

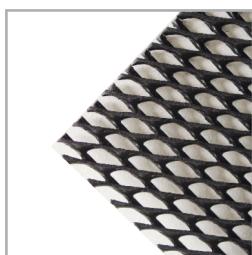
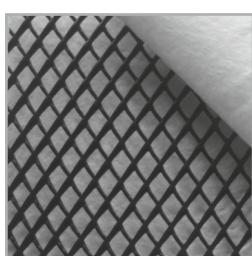
Compliance Standards

- ASTM D4632
- ASTM D4833
- ASTM D6241
- ASTM D4533
- ASTM D4595



Applications

Used in Traffic, Water conservancy,
Tunnel Construction, building construction and other industries



Supplied with following Fixtures

- 1 Grab Test fixture
- 2 Index puncture test fixture
- 3 CBR Puncture test fixture (Using 50mm Probe)
- 4 Trapezoid tear test fixture
- 5 Wide width tensile test fixture

Available in
both-Servo Motor/
Induction motor
version.

Supplied complete with Dedicated PC Software
and RS-232 Interface Cable.

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Technical Specifications

Type of System	Servo Controlled Model	Induction Controlled Model
Type of machine	Floor standing model	Floor standing model
Horizontal clearance	400-450 mm	400-450 mm
Vertical clearance	1000 mm	1000 mm
Total cross head travel (Excluding grips)	700 mm	700 mm
Motor	Servo Motor	Induction Motor
Motor capability	3 KW/5 KW	3 KW/5 KW
Speed range	0.001 mm/min to 450 mm/min	10 mm/min to 350 mm/min
Speed variation	Dedicated SERVO DRIVE	Variable AC Frequency drive
No of load cells	02 Nos	02 Nos
Load cell least count	0.01 kn & 0.1 kn respectively	0.01 kn & 0.1 kn respectively
Encoder	Elongation indication, 2500 PPR	Elongation indication, 2500 PPR
Elongation least count	0.01 mm	0.1 mm
Controlling system	PLC Controller & 7" HMI Touch screen	Microprocessor based LCD Controller
Indication parameter	<ul style="list-style-type: none"> • Maximum Load • Current Load • Breaking Load • Maximum Elongation • %Elongation • Elongation @ Break 	<ul style="list-style-type: none"> • Maximum Load • Current Load • Breaking Load • Maximum Elongation • % Elongation • Elongation @ Break
Unit selection	N, KN, KGF, LBF, TONE	N, KN, KGF, LBF, TONE
Exterior structure	<ul style="list-style-type: none"> • High grade steel • Robust machine frame • High stiffness • Column protection over total traverse stroke 	<ul style="list-style-type: none"> • High grade steel • Robust machine frame • High stiffness • Column protection over total traverse stroke
Paint	Powder coating paint	Powder coating paint
Power supply	440 volts, 50 hz, 3-phase, AC Supply	440 volts, 50 hz, 3-phase, AC Supply

Load Cell capacity: Different capacity models are available as per following table. The rigidness and stiffness of design structure of the frame varies based on the load cell capacity. Select the one which best suits to your needs.

Type of model	Load cell capacity	Servo Controlled System Model No.	Induction Controlled System Model No.
Twin column floor standing structure (Two Load Cell Model)	5kn & 50kn	GT-111TSG5/50	GT-111TIG5/50
Twin column floor standing structure (Two Load Cell Model)	5kn & 30kn	GT-111TSG5/30	GT-111TIG5/50
Twin column floor standing structure (Three Load Cell Model)	1kn, 10kn & 50kn	GT-111THSG1/10/50	GT-111TIG1/10/50



Mfg. by :

vindish
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