



## Tear Resistance Tester VTR-01



### **OVERVIEW :**

In simpler terms tear resistance (or tear strength) is a measure of how well a material can withstand the effects of tearing. More specifically it is how well a material (normally rubber) resists the growth of any cuts when subjected to tension, it is usually measured in kN/m. Materials with low tear resistance tend to have poor resistance to abrasion and when subjected to force will quickly fail (this includes hard materials, since hardness is not related to tear resistance). The equipment is designed to directly read gF (TearForce) per one piece. The Tear Force thus obtained can be converted into Tear Energy, Tear Index or Tear Factor by applying appropriate formulae.

### **FEATURES :**

- Incision Knife of hardened and ground alloy steel.
- Precision Clamps with controlled jaws, made of aluminium
- Supplied with template to cut 63 mm x 63 mm
- Extra light, low friction pointer with friction lining of textile material.

### **SPECIFICATION:**

- The dial of the instrument has three scales marked on it:
- A scale : 0-100 gF (when using 16 pieces)
- B scale : 0-200 gF (when using 8 pieces)
- C scale : 0-400 gF (when using 4 pieces)
- Suitable for Testing as per following Standards  
TAPPI: T 414 om-98 IS: 1974-1990 FCBM: 6:91

### **MODELS:**

- **VTR- 01** Available with 3 scales (A: 0 - 100 gf, B:0 - 200 gf, C: 0-400 gf)
- **VTR- 1N** 0-1000 mN Capacity

## VERTEX ENGINEERS & ASSOCIATES

R.H. 116, SECTOR 2B, NEAR DATTA MEGHE ENGINEERING COLLEGE, AIROLI, NAVI MUMBAI 400 708  
Tel. No. 022 27791675 / 65169832. Email : [info@vertexmachines.com](mailto:info@vertexmachines.com), Visit us at - [www.vertexmachines.com](http://www.vertexmachines.com)