

**YARN EVENNESS TESTER  
 (Manual Yarn Examining Board Winder)**

**INTRODUCTION**

Visual determination of unevenness along the length of a yarn is carried out by wrapping it in equally spaced parallel wraps over a board and comparing the appearance of irregularities against **Standard Rating Photographs**. Paramount Yarn Evenness Tester is specially designed equipment very useful to check the phenomenon.

**EQUIPMENT**

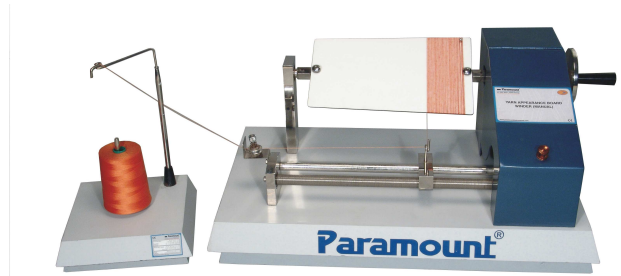
Paramount Yarn Evenness Tester (Hand Operated) consists of a yarn wrap Board The Board is rotated automatically to wrap yarn over it on operating the handle. The yarn is guided on to the board through a yarn guide, which moves parallel to the pivoting axis of the board giving uniformly spaced wraps. The guide is positively linked to the rotation of the board with the help of a chain and sprocket drive. A set of change gears gives six different spacing to the yarn for wrapping yarn of different counts. A spring loaded adjustable tensioning arrangement provides the desired tension to the yarn. A specially designed bobbin holder is provided for holding the yarn bobbin to check. The equipment is built on a rigid wooden base. It is finished in Grey & blue colour to give it a corrosion resistant finish. One Tapered & One Rectangular Acrylic Board having one face White and the other Black to enable evaluation of both light and dark colored yarns are supplied as Standard Accessory.

**SALIENT FEATURES**

- > Specially designed equipment to access the yarn irregularities (like thick place, thin place, slubs etc.)
- > Two different types of boards, one tapered & other rectangular are provided for winding the yarn.
- > A specially designed Separate unit for holding yarn bobbin.
- > Yarn wrapped on the board can be 20,22,26,32,38 & 48 ends per inch.
- > Six traverse speed options for fine to coarser count of yarn.
- > Supplied with all accessories.
- > Supplied with inspection & conformance certificates.

**Yarn Evenness Tester™ is supplied complete with below accessories.**

Main Unit	: 01 No.
Bobbins Holder Stand	: 01 No.
Tapered Board	: 01 No.
Parallel Board	: 01 No.
Pointing needle	: 01 No.
Allen Key – 3 mm	: 01 No.
This User’s Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



**TECHNICAL DETAILS**

Size of Tapered Board	: 28.5 cm x 18 cm. (Bigger Side) , Taper Angle 2°
	28.5cm x 16 cm. (Tapper Side)
Size of Rectangular Board	: 28.5cm x 18 cm
Standard Yarn Spacing	: 20, 22, 26, 32, 38, and 48 WRAPS per INCH
Size of bobbin holder base	: 21.5 x 21.5 x 33.5 cm.
Length of main drive connective arm	: 25 cm.
Length of threaded shaft	: 35.5 cm.
Gear to get different wrap	: 6 Nos.
Over all Dimension of the Unit	: 610 (L) x 350 (W) x 275 (H) mm
	24 (L) x 13.75 (W) x 11 (H) inch
Net Weight of the Unit	: 21 kg.(46.2 lbs)

**RELATED STANDARDS**

ASTM D 2255-96 : Standard Method for Grading of Cotton Yarns for Appearance.