

TECHINCAL DETAILS OF

digiPILL Nx™ (Digital Pilling Tester)

1. INTRODUCTION

Pilling is a fabric surface phenomenon characterized by little balls formed by entangled fibers clinging to the surface. These are formed during wearing or washing by the entanglement of the loose fibers, which protrude from the fabric surface, and development of these into spherical bundles anchored to the fabric by a few unbroken fibers. These give a very unsightly look to the garments. To determine the tendency to form pills, test specimens taken from the fabric sample are rubbed against each other under controlled conditions. The appearance of the test specimen, after rubbing for the specified period, is compared against standard rating photographs (Woven pilling photographs and knitted pilling photographs) for grading the fabric. Paramount digiPILL Nx™ is Specially designed equipment to access resistance to pilling of any type of fabrics as per ICI pilling system.

2. EQUIPMENT

Paramount **digiPILL Nx™** is completely made of Mild Steel & Pilling Boxes are made of wooden material & sunmica. Specially designed feather touch control panel with revolution setting option. Two standard size wooden boxes are provided with 3.2mm cork lining as per standard. Specially designed eight standard pilling tubes are supplied for mounting specimens.

3. SALIENT FEATURE

- Specially designed equipment to access resistance to pilling of any type of fabrics as per ICI pilling system.
- Feather touch Digital control panel with latest aesthetics.
- 3.2mm cork lining inside the boxes for proper pilling action.
- Specially designed standard size boxes meet the standard specifications.
- Complete with all accessories-pilling tube, template etc.
- Supplied with inspection & calibration certificate.



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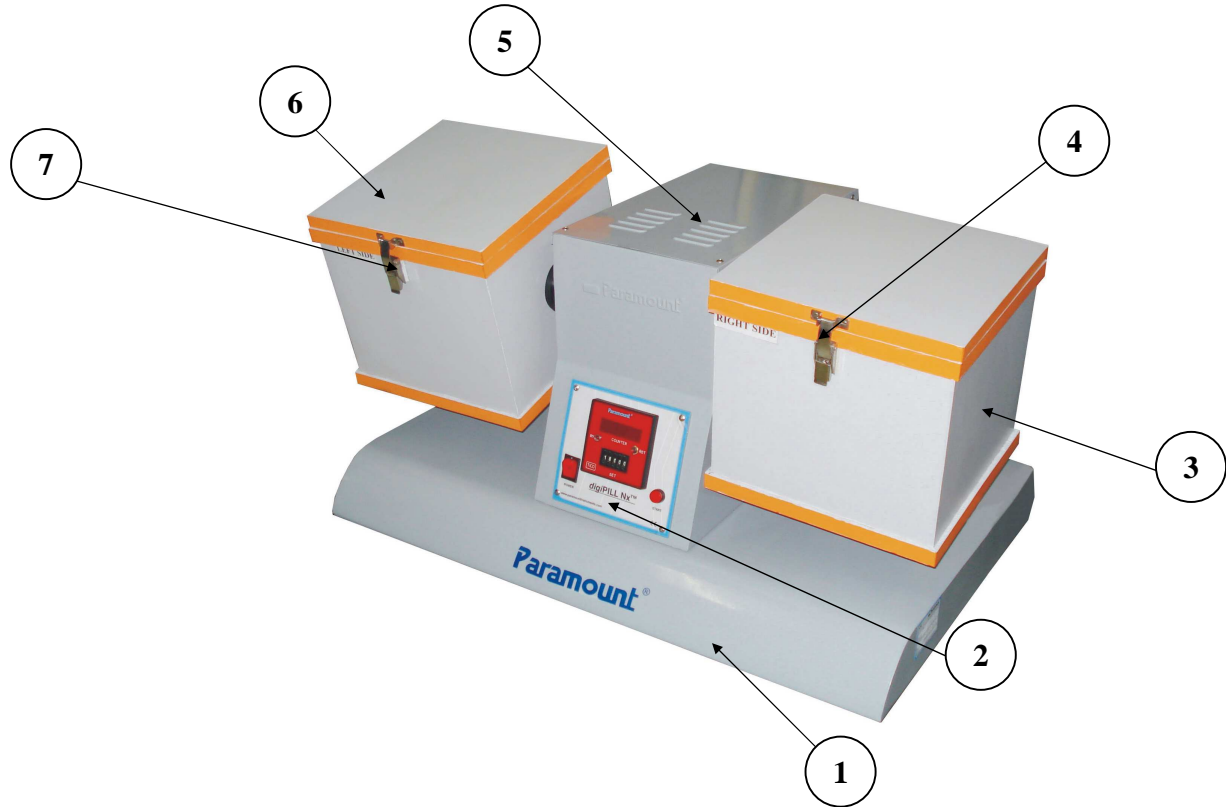


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4. DETAILS OF THE MAIN UNIT OF *digiPILL Nx*™



1. Base of the Unit.
2. Control Panel With Digital Controls.
3. Right Side Pilling Box (Inside cork lined).
4. Lock of the Right Pilling Box.
5. Top Cover / lid (Motor Housing).
6. Left Side Pilling Box (Cork lined from inside).
7. Lock of the Left Pilling Box.

(To operate on 220 Volts, 50 HZ, single phase AC supply).



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5. DETAILS OF THE ACCESSORIES SUPPLIED WITH *digiPILL Nx*[™]



Main Unit With Boxes



Specimen Mounting Jig



Specimen Insertion Tool
 (For fixing the fabric on the Tubes.)



Standard Pilling Tubes
 (For Testing the Specimen 08 Nos.)



Fine Cutting Scissors



Pilling Specimen Template
 (For Marking on the Specimen)



Marking Pen
 (For Specimen Template)



Standard Transparent
 Tape Roll



Mains Lead



This User's Manual



Calibration & Inspection
 Conformance Certificates



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digiPILL Nx[™] is Supplied Complete with below Accessories:

1. Main Unit	:	01 No.
2. Specimen Mounting Jig (For Reversing the specimen prepared)	:	01 No.
3. Specimen Insertion Tool (For fixing the fabric on the tubes)	:	01 No.
4. Standard Pilling Tubes (For testing the specimens)	:	08 Nos.
5. Fine Cutting Scissor	:	01 No.
6. Pilling Specimen Template (For marking on the specimen)	:	01 No.
7. Marking Pen (For Marking with the specimen template)	:	01 No.
8. Standard Width Tape Roll	:	01 No.
9. Mains Lead with Plug	:	01 No.
10. This User's Manual	:	01 No.
11. Calibration Certificate (Traceable to NPL)	:	01 No.
12. Inspection & Conformance Certificate	:	01 No.

6. TECHNICAL DETAILS OF *digiPILL Nx*[™]

Size of Wooden Boxes Inside (Before Cork Lining)	:	235 x 235 x 235 mm (As Per Standards)
Thickness of Cork Lining	:	3.2 mm (As Per Standards)
Speed of Rotation of Boxes	:	60 R.P.M. (± 2 rpm.) (As Per Standards)
Size of Test Specimen	:	(125 × 125) mm
Size of Rubber Tubes	:	Length 140 mm + 1 mm (As Per Standards) Diameter 31.5 mm + 1 mm Wall Thickness 3.2 mm + 0.5 mm Weight 52.25 gms. + 1 gm
Motor	:	1/8 H.P. Single Phase GEARED MOTOR 220V AC
Digital Counter (Preset Type)	:	0 – 99999 / L.C – 1.
Overall Dimensions of the Unit	:	828 (L) x 518 (W) x 508(H) mm 32.6(W) x 20.4(D) x 20(H) Inch
Net weight	:	35 kg (77 lbs)



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7. RELATED STANDARDS

ISO 12945 - 1: 2000

REFERENCE STANDARDS

BS 5811

IWSTM 152

NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.



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