

***digiPILL Nx™***  
***(Digital Pilling Tester)***

**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.

**EQUIPMENT**

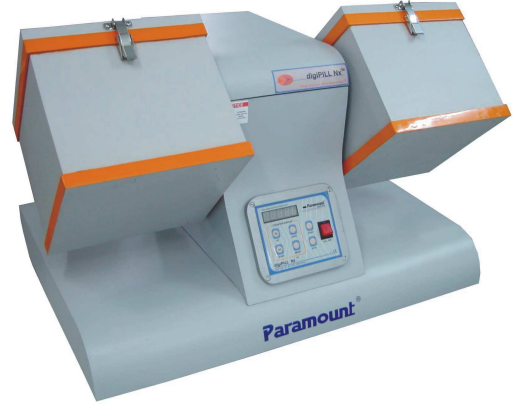
Paramount **digiPILL Nx™** is completely made of wooden material & sunmica. Specially designed feather touch control panel with revolution setting option. Two standard size wooden boxes are provided with 3.2mm cork lining as per standard. Specially designed eight standard pilling tubes are supplied for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

**SALIENT FEATURES**

- 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.

**digiPILL Nx™ is supplied complete with below accessories.**

Unit	: 01 No.
men Mounting Jig (For Reversing the specimen prepared)	: 01 No.
men Insertion Tool (For fixing the fabric on the tubes)	: 01 No.
ard Pilling Tubes (For testing the specimens)	: 08 Nos.
Cutting Scissor	: 01 No.
Pilling Specimen Template (For marking on the specimen)	: 01 No.
Marking Pen (For Marking with the specimen template)	: 01 No.
Standard Width Tape Roll	: 01 No.
s Lead with Plug	: 01 No.
This User's Manual	: 01 No.
ration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



**TECHNICAL DETAILS**

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 mm (H) 32.6" (W) x 20.4" (D) x 20" Inch (H)
Net weight	: 35 kg (77 lbs)

**RELATED STANDARDS**

ISO 12945 - 1: 2000

**REFERENCE STANDARDS**

BS	5811
IWSTM	152