

***silkMASTER™***  
***Silk Fabric Inspection Machine (With Auto Edge Alignment)***

**INTRODUCTION**

Fabric, the most valuable resource for Garment constitutes about 60% - 70% of the total cost of a finished Garment. Control of the quality of this input (Fabric) is the major concern for quality of the garment. For controlling the fabric Quality, Paramount has introduced, its latest, wide-width 72", Silk Fabric Inspection Machine, **silkMASTER™**. All the Fabric defects can be easily detected by this equipment which increases productivity many times over. A very convenient equipment with which thousands of meters of wide-width fabric, upto 72", can be conveniently Inspected, measured and rolled in a single day.

**EQUIPMENT**

**Paramount silkMASTER™** is designed to inspect delicate silk fabrics up to 72" width and make rolls simultaneously. Special type of felt has been used on the rollers to make the machine compatible with Silk Fabric, as the same is costly & delicate. Bottom & Top illumination unit helps in detecting all type of faults in the fabric. A special fabric cradle at the back facilitates to hold a Fabric roll or loose fabrics to inspect: specially designed Tensioning device or tension roll is provided to keep the fabric uncurled during inspection. Driver and driven roll facilitates to make roll on plastic pipe. The Edge Guiding Device helps in making perfectly aligned fabric roll, moving the entire rolling system to and fro. The fabric flow speed can be controlled with the controlling knob. Forward & reverse motion can be obtained to check fabric flawlessly Auto & manual option is provided for operator comfort. Meterage of fabric inspected can be directly assessed from Analog Counter. A special sensor is provided on the back to stop the machine when the fabric is finished.

**SALIENT FEATURES**

- Edge guiding device with photo sensor to make perfectly aligned rolls.
- Fabrics up to 72" Width can be easily inspected.
- Auto Stop Function while fabric feed is finished with the help of photo sensor.
- Specially designed to change the speed of rolling to make soft & tight rolls required.
- Special felt on rollers compatible with silk & delicate fabrics.
- With Forward Rolling System to make perfectly aligned rolls.
- Top & Bottom illumination unit for thorough checking.
- Specially designed control panel with auto and direct operation switch.
- With speed regulation knob to check fabric at convenient speed.
- Easy to operate with minimum operator fatigue.
- Analog type length counter with maximum length 99999 meter with 1 meter graduation.
- Special Fabric cradle at the back to keep fabric roll or loose fabric.

**silkMASTER™ is supplied complete with below accessories.**

Main Unit	: 01 No.
PVC Pipes (For Fabric Rolling)	: 02 Nos.
User's Manual	: 01 No.
Calibration Certificates (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.



**TECHNICAL DETAILS**

Power Supply	: 220/230 V, 50 Hz, single phase, 50/60 Hz, AC Supply
Frequency Drive	: 0.5 HP
Motor for Driver Roller	: 0.5 HP
Motor for Helical Gear Box	: 0.5 HP,
PMDC Motor (100 Watt)	: 24VDC, 300 RPM,
Max. width of fabric can be check	: 72" (Inches)
Light source	: Bottom & Top
Counter	: 0 – 99999 m , L/C : 1m
Fabric Movement	: Back to Front
Overall Dimensions of the unit	: 2190 (L) x 950 (W) x 1887 (H) mm 86" (L) x 37" (W) x 74" (H) Inches.
Net Weight of the unit	: 750 Kg. (1650 lb) Aprox.



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