



BATALA

HOME SCIENCE BA SEM 3 SEWING MACHINE PARTS AND THEIR FUNCTIONS

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INTRODUCTION TO SEWING MACHINES

Basic sewing machine: A device used for stitching fabrics.

Types of sewing machines:

- Basic Sewing Machine: Suitable for simple tasks.
- Electric Sewing Machine: Operated electrically for faster stitching.
- Industrial Sewing Machine: Used in factories, high-speed machines.



COMPONENTS OF A SEWING MACHINE

- **Thread Tension Regulator:** Controls the tension of the thread to prevent loose or tight stitches.
- **Needle:** Small steel rod that holds the thread and stitches fabric.
- **Spool Pin:** Holds the thread spool.
- **Bobbin:** A small spool used to hold the bottom thread.



TYPES OF THREAD AND NEEDLE

Needle Types: Different needles for different fabric types (e.g., heavy fabrics, delicate fabrics).

Thread Types: Varying thicknesses for different fabric weights.

STITCHING PROCESS

Threading the Machine: The thread passes through several parts such as the tension regulator, needle, and bobbin to form stitches.

Needle Plate: A flat plate under the needle where fabric is guided and stitched.





TENSION ADJUSTMENT

Adjusting Tension: Use the tension dial to set the appropriate tension. Too tight or too loose can affect the stitching quality.

Setting Thread Tension: Adjust the tension for different fabrics.

MOVING THE NEEDLE

Needle Movement: The needle moves up and down, creating stitches. Adjusting the speed of the machine affects stitching quality.

Foot Pedal: Controls the speed of the machine, allowing for faster or slower sewing.



MACHINE MAINTENANCE

Cleaning the Machine: Regular maintenance to ensure smooth functioning.

Oil the Machine: Apply machine oil to keep parts running smoothly.



CONCLUSION

- Importance of Practice: Mastery over stitching techniques comes with practice.
- Exploring Different Machines: Experimenting with various sewing machines can improve sewing skills.



THANK YOU

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