

Overlock Sewing Machine or a Serger Machine: Your Versatile Sewing Companion

Are you tired of frayed edges and uneven seams ruining your sewing projects? Enter the overlock sewing machine, a game-changer in garment construction. If you've admired the professional finish on store-bought clothes, chances are an overlock machine was behind that polished look. Today, we will understand what overlock sewing machines are, also known as sergers or overlockers. We will also understand which overlocker you can buy if you are living anywhere in India.



Overlocker Sewing Machine



Why Overlock Sewing Machines?

Overlock sewing machines, also known as sergers, have become indispensable tools in both professional garment production and home sewing. Their popularity stems from their unique capabilities and the numerous benefits they offer to sewists of all skill levels.

Speed and Efficiency

One of the most significant advantages of overlock machines is their impressive speed. Domestic overlockers can produce an astounding **1300-1500 stitches per minute**, far outpacing the average domestic sewing machine's 800 stitches per minute. This increased speed, combined with the ability to perform multiple functions simultaneously—stitching, trimming, and finishing edges in one pass—translates to substantial time savings in your sewing projects.

The industrial overlockers can generally produce **5k to 6k stitches per minute** at maximum speed.

Professional Finish

Overlockers are renowned for creating durable, professional-looking seams that are less prone to unravelling compared to traditional sewing machine stitches. The overlocked seam tightens and secures the fabric edges, resulting in a clean, polished finish that can elevate the quality of your handmade garments to rival store-bought items.

Versatility with Fabrics

These machines truly shine when working with knit fabrics and other stretchy materials. Overlockers are particularly adept at handling challenging fabrics like jersey or swimsuit materials, which can be tricky to sew on standard machines. This versatility makes them invaluable for creating everything from t-shirts to activewear with ease.

Time-Saving Features

The ability to perform multiple functions in one pass increases speed and simplifies the sewing process. Instead of finishing edges separately or worrying about fraying, an overlocker takes care of these concerns in a single step, streamlining your workflow and allowing you to focus on the creative aspects of your projects.

Suitable for All Skill Levels

Whether you're a beginner just starting your sewing journey or an experienced seamstress looking to expand your capabilities, an overlock machine can be a valuable addition to your sewing arsenal. Its professional results can boost confidence in beginners, while its efficiency can help experienced sewists take on more complex projects or increase their productivity.

Features of Overlock Sewing Machines to be Considered While Buying

When selecting an overlock sewing machine, it's crucial to consider specific features that align with your sewing needs. Based on verified information, here are the key features of overlock sewing machines and what buyers should keep in mind:



FEATURES TO BE CONSIDERED TO BUY A SERGER

THREAD CAPACITY

STITCH OPTIONS

DIFFERENTIAL FEED SYSTEM

SPEED & SPEED CONTROL

ADJUSTABLE CUTTING WIDTH

WWW.USHAFOUNDATION.IN

Features

Thread Capacity

Overlock machines can use anywhere from two to eight threads, depending on the model. This versatility allows for various stitch types:

- Two-thread overlock: Suitable for edge finishing on scarves and open seam allowances.
- Three-thread overlock: Ideal for seaming light to medium-weight fabrics and working with knits.
- Four-thread overlock: Provides durability and is excellent for seam finishing.

Stitch Options

Overlock machines offer a variety of stitch types, including:

- Basic overlock stitch
- Rolled hemstitch
- Flatlock stitch
- Safety stitch (combining chain stitch and overlock)

Speed

Overlock machines are significantly faster than conventional sewing machines, capable of producing up to 6000 stitches per minute. When making a buying decision, you need to be certain about the maximum speed you are looking for.

Differential Feed System

This mechanism controls fabric movement, preventing stretching or puckering and accommodating different fabric thicknesses and stretchiness.

Cutting Device

Overlock machines are equipped with a knife that trims fabric edges while stitching, ensuring a clean finish.

Other Key Features for You to Consider

- **Stitch Width and Length Controls:** Look for machines that offer adjustable stitch width and length to accommodate various fabric types and project requirements.
- **Tension Control Systems:** Proper tension control ensures balanced stitches across various fabrics.
- **Threading System:** Consider machines with easy threading systems, as overlockers can be complex to thread.
- **Speed Control:** While overlockers are fast, having speed control options can be

beneficial, especially for beginners.

- **Adjustable Cutting Width:** This allows for customization of seam allowances.

Understanding these features can help you select an overlock machine that best suits your sewing projects, whether you're working with light fabrics or knits or creating decorative finishes. Remember, the right machine can significantly enhance your sewing efficiency and the professional look of your finished projects.

The Evolution of Serger Technology in Modern Sewing

The serger overlock sewing machine has indeed undergone significant changes since its inception in the late 19th century. Joseph Merrow patented the first three-thread overedge sewing machine in 1889, which is considered the forerunner of contemporary overlocking machines. This invention laid the groundwork for the versatile sergers we know today. Modern sergers have expanded their capabilities far beyond simple edge finishing. They now offer a range of functions, including:

- Seam finishing
- Rolled hems
- Decorative stitching
- Stretch stitching for knit fabrics

One of the most significant advancements in serger technology is the variety of thread systems available. Contemporary sergers can utilize anywhere from two to eight threads, providing increased flexibility and functionality. This range allows for various stitch types, each suited to different fabrics and project requirements:

- Two-thread overlock: Ideal for edge finishing on scarves and open seam allowances
- Three-thread overlock: Suitable for seaming light to medium-weight fabrics and working with knits
- Four-thread overlock: Offers durability and is excellent for seam finishing
- Five-thread and beyond: Provides additional strength and decorative options

The evolution of serger technology has also improved ease of use. Manufacturers have introduced innovative features like jet-air threading systems, which use compressed air to thread loopers quickly and easily. Automatic thread delivery systems have eliminated the need for manual tension adjustment. These technological advancements have made sergers more accessible and versatile, allowing both home sewers and professionals to achieve high-quality, professional-looking results in their projects.

Types of Stitches and Their Applications

When considering an overlock sewing machine, understanding the variety of stitches available is crucial. Here are the main types of stitches an overlock machine can offer and their applications:

4-Thread Overlock

This is the strongest serging stitch, ideal for seaming knits and wovens. It's durable and flexible, perfect for garments that need to withstand wear and tear.

3-Thread Overlock

Suitable for finishing edges and seam allowances on medium to thick fabrics. It's also great for creating blind hems and seaming knits or wovens that won't be subjected to heavy stress.

2-Thread Overlock

It is ideal for giving lightweight fabrics a flawless edge finish. However, due to its lower strength, it is not recommended for seaming.

2-Thread Flatlock

This stretchy, moderately strong stitch is excellent for sportswear seaming and decorative stitching on woven fabrics. It creates a flat, reversible seam.

Rolled Hem

It is perfect for hemming lightweight and sheer fabrics. It creates an almost invisible, high-end finish without weighing down the fabric.

5-Thread Overlock

It combines a straight seam with an overcast 3-thread, making it ideal for sewing and finishing woven fabrics. It's considered an industry standard for its strength and durability.

Coverstitch

Used for professional hems on knits, lingerie, and activewear. It provides excellent elasticity, making it perfect for stretchy fabrics.

Chainstitch

While not stretchy, it has more give than a standard straight stitch. It's excellent for long straight seams in home decor sewing and can be used decoratively with special threads.

Industrial Serger Machine

Why Choose the Usha Direct Drive Overlock Machine?

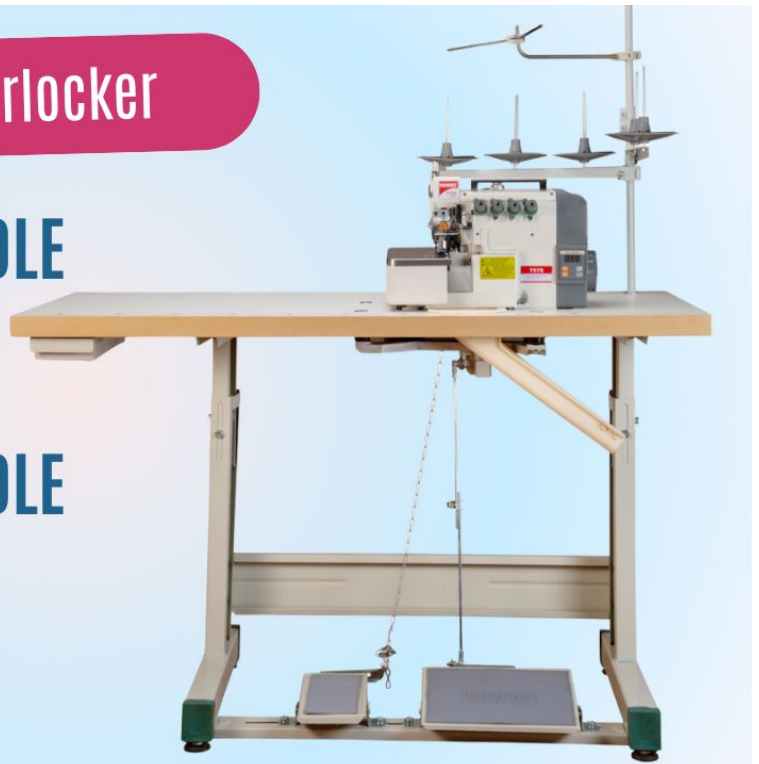
Usha Direct Drive Overlocker

**MODEL 747E: TWO NEEDLE
FOUR THREAD**

**MODEL 757E: TWO NEEDLE
FIVE THREAD**



www.ushafoundation.in



Usha Overlock Machine

For those seeking a high-performance overlock machine, the Usha Two-Needle Five-Thread or Four-Thread Direct Drive Overlock Machine stands out as an excellent choice. This industrial-grade machine offers a perfect blend of speed, precision, and versatility, making it ideal for both professional and advanced home sewists. Key features that set this Usha overlock machine apart include:



WHY CHOOSE USHA OVERLOCKER

SPEED: 6000 SPM

5 AND 4 THREADS SYSTEMS

PRECISION CONTROL

DURABILITY

FLEXIBILITY

WWW.USHAFOUNDATION.IN

Why

Choose Usha Overlocker

- **Impressive Speed:** This machine can efficiently handle large-scale projects at a maximum speed of 6000 stitches per minute (SPM).
- **Versatile Stitching:** The five-thread and four-thread system allows for a variety of stitch types, suitable for woven and non-woven fabrics and sportswear.
- **Precision Control:** The push-button stitch length adjustment and differential feed dog ensure accurate fabric feeding and prevent twisting and ply shifting.
- **Durability:** The forced feed oil return system at the needle bar prevents overheating and thread breakage, enhancing the machine's longevity.
- **Energy Efficiency:** The environment-friendly, power-efficient direct drive in-built motor (550W) combines performance with energy savings.
- **Ease of Use:** Features like the LED needle light (3-step) and automatic lubrication system improve usability and maintenance.
- **Flexibility:** Its maximum stitch length is 3.6 mm, and the presser foot lift is 5.5 mm, so it can handle a range of fabric thicknesses.

This Usha overlock machine is particularly suitable for light to medium fabrics, making it a versatile choice for various sewing projects. Its combination of industrial-grade features and user-friendly design makes it an excellent investment for those looking to elevate their sewing capabilities.

Fill out the form if you want to buy the Usha overlock machine. We will get back to you.

Loading...

For any further enquiry on Usha Machines, you can call us by clicking the below button.

[Call Now](#)

Conclusion: Your Journey into Overlock Sewing Machines Continues

Our exploration of overlock sewing machines has just begun, and we're excited to dive deeper into the world of professional garment finishing. While we've extensively discussed Usha's impressive offerings, the overlock machine market is rich with incredible options from renowned manufacturers. In our upcoming blog series, we'll be taking an in-depth look at overlock machines from other industry-leading brands.

Other Topics on Sewing Machines