

Lumina Moda Serger Overlock Machine User Manual

Model: Moda (198168498026)

1. PRODUCT OVERVIEW

The Lumina Moda Serger Overlock Machine is designed for efficient and precise fabric finishing. It offers 2, 3, or 4-thread stitching capabilities, making it suitable for a variety of sewing projects from delicate fabrics to heavy-duty materials. Key features include adjustable stitch length and width, differential feed, a free arm for tubular projects, and a built-in trim trap for a clean workspace.

This machine operates at a high speed of 1,250 stitches per minute and is constructed with a durable metal frame for stability and longevity. Its compact design and carrying handle enhance portability.



Image 1.1: The Lumina Moda Serger Overlock Machine, showcasing its design and thread setup.

2. SAFETY INSTRUCTIONS

Before operating the Lumina Moda Serger Overlock Machine, please read and understand all safety instructions to prevent injury and ensure proper machine function. Keep this manual for future reference.

- **Power Supply:** Always unplug the machine from the electrical outlet when not in use, when cleaning, or when performing any maintenance. Do not operate the machine with a damaged cord or plug.
- **Children and Pets:** Keep the machine out of reach of children and pets. Supervise children if they are near the machine.
- **Work Area:** Ensure your work area is well-lit and free from clutter. Do not operate the machine in damp or wet conditions.
- **Needles and Blades:** Needles are sharp. Always exercise caution when handling needles and blades. Never attempt to thread the machine or change needles while the machine is running or plugged in.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from all moving parts, especially the needle and

cutting knife, while the machine is in operation.

- **Ventilation:** Ensure adequate ventilation around the machine to prevent overheating.
- **Original Parts:** Use only accessories and attachments recommended by the manufacturer.

3. SETUP AND INITIAL USE

3.1 Unpacking and Placement

Carefully remove the serger from its packaging. Retain all packaging materials for storage or future transport. Place the machine on a stable, level surface. Ensure there is enough space around the machine for comfortable operation and fabric handling.



Image 3.1: Contents included with the Lumina Moda Serger, such as tools and accessories.

3.2 Power Connection

Connect the power cord to the machine and then to a suitable electrical outlet. Ensure the power switch is in the "OFF" position before plugging in.

3.3 Threading the Machine

The Lumina Moda Serger features a color-coded threading guide to simplify the process. Follow the numbered and colored paths indicated on the machine for each thread. Refer to the detailed diagram inside the front cover or on the machine itself.



Easy Color-Coded Threading Guides

Image 3.2: Detailed view of the color-coded threading guides on the Lumina Moda Serger.

For optimal performance, ensure threads are correctly seated in all tension discs and guides.

4. OPERATING INSTRUCTIONS

4.1 Stitch Selection (2/3/4 Thread)

The Lumina Moda offers versatile stitching options:

- **4-Thread Overlock:** Ideal for strong, durable seams on woven and knit fabrics.
- **3-Thread Overlock:** Suitable for finishing edges, decorative stitching, and light to medium fabrics.
- **2-Thread Overedge:** Used for fine fabrics, rolled hems, and delicate edge finishes.



2/3/4 Thread Serger With Threading Guides

Image 4.1: Visual examples of 2, 3, and 4-thread serger stitches.

4.2 Adjusting Stitch Length and Cutting Width

Use the stitch length dial to adjust the length of your stitches (typically 1-4 mm). The cutting width can also be adjusted to trim more or less fabric from the edge. The upper knife can be disengaged if trimming is not desired, which is useful for delicate fabrics or decorative effects.

4.3 Differential Feed Control

The differential feed feature helps manage fabric stretching or puckering. Adjust the differential feed dial (ratio 0.7-2.0 mm) to prevent wavy seams on stretchy knits or to create intentional gathers on certain fabrics. A setting of 1.0 is neutral.



Differential
Feed Eliminates
Stretching and
Puckering of
Seams

Image 4.2: The differential feed control dial, used to prevent stretching or puckering.

4.4 Free Arm Operation

To access the free arm, slide off the removable extension table. This feature is essential for sewing tubular items such as sleeves, cuffs, and pant legs, allowing for easier manipulation of fabric and precise stitching in hard-to-reach areas.



FREE-ARM SERGING

Slide off the removable extension table to expose the machine's free arm, making it easy to sew hard-to-reach areas such as armholes, cuffs and more.

Image 4.3: Using the free arm for sewing tubular items like cuffs.

4.5 High-Speed Sewing

The Lumina Moda Serger can achieve speeds of up to 1,250 stitches per minute. This allows for rapid completion of projects, especially when working with long seams or large quantities of fabric. Maintain control of your fabric at all times, even at higher speeds.



Non-Woven
Dust Cover



Carry-Handle
Box



Factory Threaded
Serger



Accessory Storage

Included In Box

Image 4.4: The serger in action, highlighting its high-speed capability and cutting knife.

5. MAINTENANCE

5.1 Cleaning the Machine

Regular cleaning is essential for maintaining your serger's performance. The built-in trim trap collects fabric scraps and debris, helping to keep your workspace tidy. Empty the trim trap frequently. Use the provided brush to remove lint and dust from the feed dogs, looper area, and other accessible parts. Always unplug the machine before cleaning.



WASTE CATCHER

Collects fabric scraps and debris as you sew, ensuring a clean and clutter-free workspace

Image 5.1: The waste catcher in use, demonstrating its function in maintaining a clean workspace.

5.2 Needle Replacement

Dull or bent needles can cause skipped stitches or fabric damage. Replace needles regularly, especially when working with different fabric types or after extended use. Use only the correct type and size of needles recommended for serger machines (e.g., HAx1 SP). Refer to the threading guide for proper needle insertion.

5.3 Lubrication

While the Lumina Moda Serger is designed for low maintenance, occasional lubrication of specific moving parts may be required. Consult a qualified service technician if you suspect lubrication is needed, or refer to the full manual for specific lubrication points if available.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Lumina Moda Serger. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle insertion, bent or dull needle, improper threading, incorrect tension.	Re-insert needle correctly, replace needle, re-thread machine carefully following color-coded guides, adjust tension settings.
Thread Breakage	Incorrect threading, too much tension, poor quality thread, burrs on thread guides.	Check threading path, reduce tension, use good quality serger thread, inspect thread guides for damage.
Fabric Puckering/Stretching	Incorrect differential feed setting, tension too high.	Adjust differential feed ratio (increase for stretching, decrease for puckering), reduce tension.
Uneven Stitches	Incorrect tension, improper threading, dull needle.	Adjust tension dials, re-thread machine, replace needle.
Machine Not Starting	Power cord not connected, power switch off, foot pedal issue.	Check power connections, ensure switch is ON, inspect foot pedal.

7. SPECIFICATIONS

- Model:** Moda
- Item Model Number:** 198168498026
- UPC:** 198168498026
- Stitch Capability:** 2, 3, or 4-thread overlock
- Maximum Stitch Speed:** 1,250 stitches per minute
- Motor Power:** 90W
- Stitch Length Adjustment:** 1-4 mm
- Differential Feed Ratio:** 0.7-2.0 mm
- Frame:** Heavy-duty metal
- Dimensions (Product):** 11"D x 12.6"W x 12.6"H (28cm D x 32cm W x 32cm H)
- Item Weight:** 16.5 pounds (7.5 kg)
- Manufacturer:** Lumina
- Date First Available:** August 20, 2024

SERGER DIMENSIONS

Weight: 16.5 LB / 7.5KG

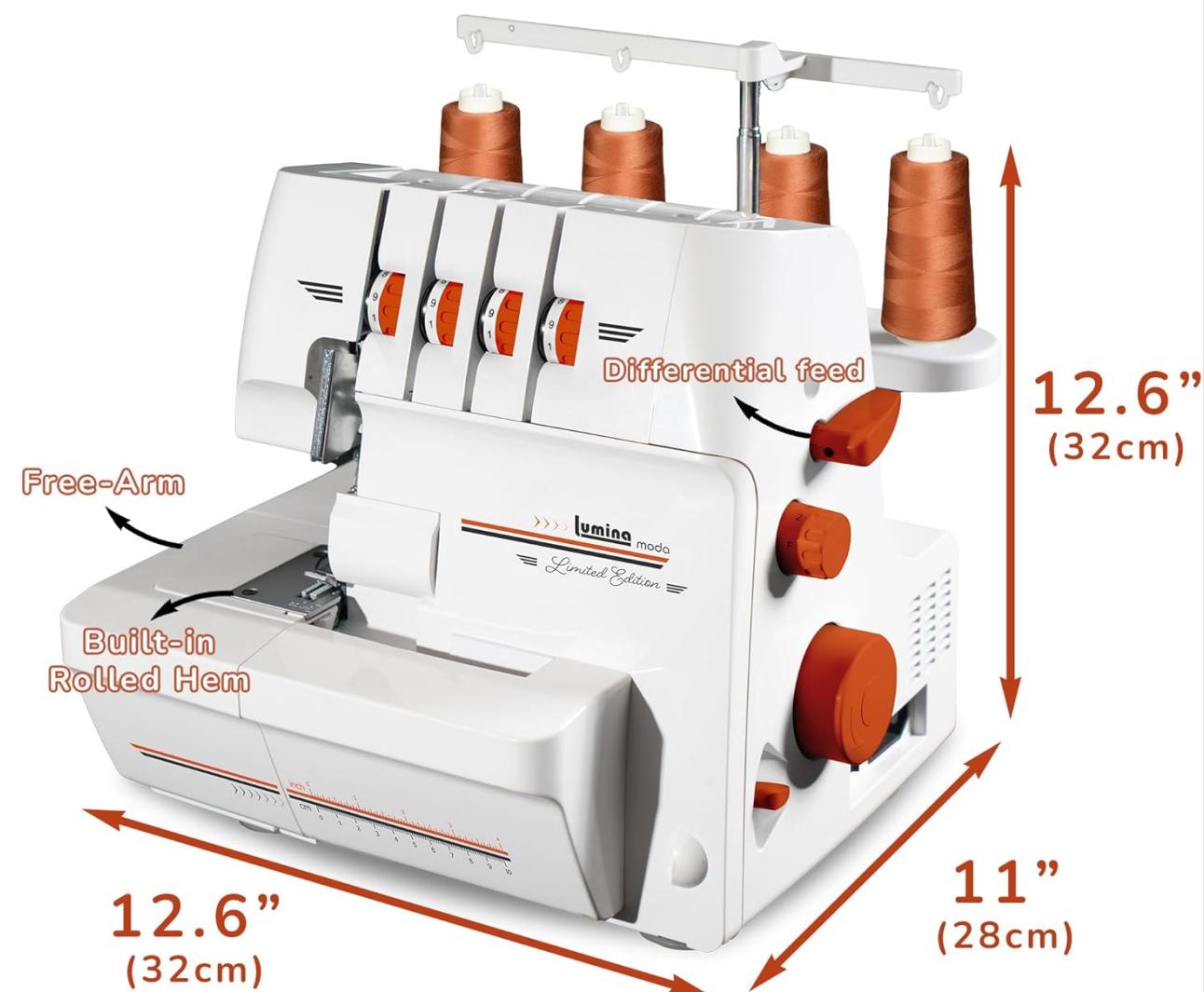


Image 7.1: Product dimensions and weight of the Lumina Moda Serger.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact Lumina customer service directly. Ensure you have your model number (Moda) and item model number (198168498026) available when seeking support.

You can typically find contact information on the manufacturer's official website or through the retailer where the product was purchased.