

## INTBUYING SM-2972

# INTBUYING Industrial Leather Sewing Machine SM-2972 Instruction Manual

Model: SM-2972

## 1. PRODUCT OVERVIEW

The INTBUYING Industrial Leather Sewing Machine SM-2972 is designed for stitching boots, shoes, and other tubular leather and fabric items. It features a robust cast iron construction and can be operated manually or with a motor (motor not included). Key features include a maximum sewing speed of 500 stitches per minute, an arm length of 30cm (11.8 inches), and an adjustable stitch length of 1-5mm. The machine is equipped with a 360-degree rotating presser foot for versatile stitching in any direction.

- **Single Needle, Lock Stitch:** Ensures strong and durable seams.
- **Stop Motion Hand Wheel:** Allows for bobbin winding without engaging the stitching mechanism.
- **Replaceable Steel Horn:** Provides flexibility for various sewing tasks.
- **Universal Upper Feed:** Enables stitching in any direction without turning the workpiece.
- **Double End Needle Plate:** Features two sizes of needle holes for different needle sizes.

## 2. SAFETY INFORMATION

Always exercise caution when operating the sewing machine. Keep hands and fingers clear of the needle and moving parts. Ensure the machine is stable on a flat surface before use. Do not attempt to operate the machine if any parts are damaged or missing. Wear appropriate safety gear, such as gloves, if necessary.

## 3. SETUP

### 3.1 Base Assembly

Attach the machine to a stable base using the provided screws and wrenches. Ensure all connections are secure before proceeding.



Image: Industrial Leather Sewing Machine securely mounted on a wooden base.



Image: Side view of the sewing machine, showing its robust construction and mounting points.

### **3.2 Handwheel Installation**

Install the handwheel onto the machine's shaft. Ensure it is properly aligned and secured for smooth manual operation.



Image: Close-up of the handwheel, used for manual operation of the sewing machine.

Video: This video demonstrates the correct procedure for installing the sewing machine handwheel, ensuring proper function and secure attachment.

### 3.3 Bobbin Winder Installation

Attach the bobbin winder mechanism to the machine. This component is essential for preparing bobbins with thread for the lower part of the stitch.

Video: This tutorial guides you through the installation of the bobbin winder, a crucial step for preparing your machine for sewing.

## 4. THREADING THE MACHINE

### 4.1 Upper Threading

Follow these steps to correctly thread the upper part of the machine:

1. Place the thread spool on the thread holder.
2. Guide the thread through the first tensioner.

3. Pass the thread through the take-up lever.
4. Thread the needle from front to back.



Image: Thread spool placed on the holder, with the thread correctly guided through the initial points of the machine.

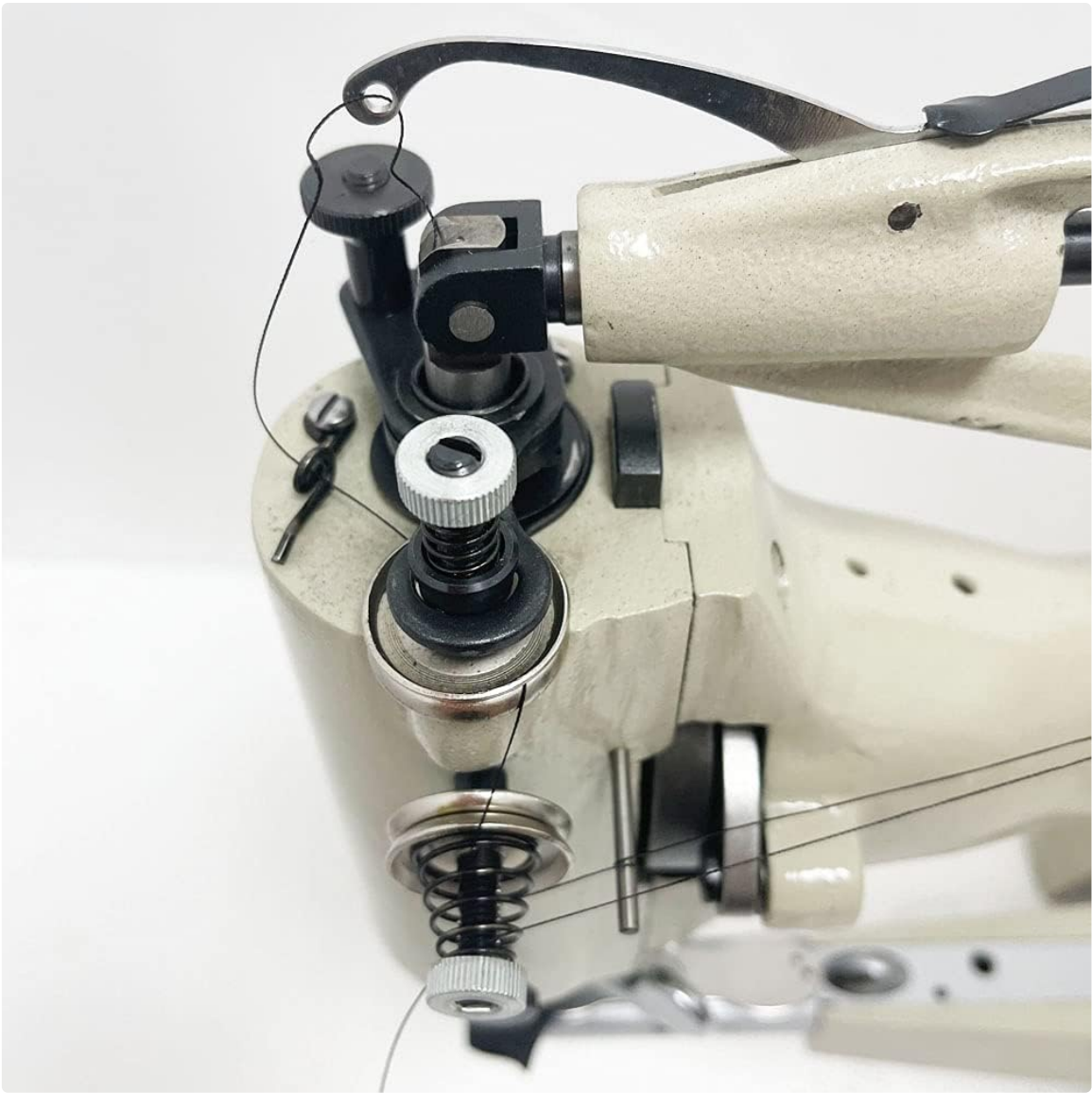


Image: Detailed view of the upper threading path, showing the thread passing through tension discs and guides.



Image: Side view of the machine head, illustrating the complete upper threading process down to the needle.

#### **4.2 Bobbin Threading and Insertion**

Proper bobbin threading and insertion are crucial for a balanced stitch. Ensure the bobbin thread is wound evenly and inserted correctly into the shuttle.

Video: This video provides a step-by-step guide on how to reload an empty bobbin and insert it into the BEAMNOVA Leather Cobbler Sewing Stitching Machine.

Video: This video demonstrates the general use of the machine, including threading the bobbin and preparing for stitching.

### **5. OPERATION**

#### **5.1 Basic Stitching**

Place your material under the presser foot. Lower the presser foot and begin turning the handwheel to initiate stitching. Guide the material smoothly to create an even seam.



Image: Close-up view of the machine's needle actively stitching through a piece of leather material.



Image: The sewing machine in action, creating a seam on a piece of leather.

## 5.2 Adjusting Stitch Direction

The 360-degree rotating presser foot allows for easy changes in stitching direction without needing to reposition the material. Simply rotate the presser foot to the desired angle.

Video: This video demonstrates how to operate the machine, including changing the direction of sewing using the rotating presser foot.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sewing machine. Keep the machine clean from dust and lint, especially around the needle area and shuttle. Lubricate moving parts as recommended in the general maintenance guidelines for industrial sewing machines.

## 7. TROUBLESHOOTING

If you encounter issues with your machine, consider the following common troubleshooting steps:

- **Skipped Stitches:** Check if the needle is inserted correctly, not bent, and is the appropriate size for the material and thread. Ensure the machine is properly threaded.
- **Thread Breakage:** Verify that the thread is not tangled, tension is correctly set, and there are no burrs on the thread path. Use good quality thread.
- **Uneven Stitches:** Adjust thread tension for both upper and bobbin threads. Ensure the material is fed evenly.

- **Machine Jamming:** Remove any tangled threads. Check for obstructions in the shuttle area.

For persistent issues, consult a professional or contact customer support.

## 8. SPECIFICATIONS

Feature	Specification
Product Dimensions	23.22 x 11.4 x 19.29 inches (59x29x49cm)
Item Weight	83.6 pounds (38 Kilograms)
Manufacturer	INTBUYING
Item Model Number	SM-2972
Brand	INTBUYING
Color	Black, White
Material	Cast Iron
Power Source	Hand (Can be driven by motor, motor not included)
Is Electric	Yes (with optional motor)
Max Sewing Speed	500SPM
Arm Length	30CM (11.8 Inch)
Stitch Length	1-5mm
Sewing System	DP*17 16#-18#

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact INTBUYING customer service directly. Keep your purchase receipt for any warranty claims.