**JUKI TL-2010Q**

# Juki TL-2010Q High Speed Sewing & Quilting Machine User Manual

Model: TL-2010Q

## Introduction

The Juki TL-2010Q is a high-speed, straight-stitch sewing and quilting machine designed for both professional and home use. It combines industrial-grade performance with user-friendly features, making it ideal for a wide range of projects from delicate fabrics to thick quilt layers. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your machine to ensure optimal performance and longevity.

## Setup

### Unpacking and Placement

Carefully remove the machine from its packaging. Place the machine on a stable, flat surface. The machine's sturdy metal construction ensures stability during high-speed operation.

### Attaching the Extension Table

The Juki TL-2010Q comes with an auxiliary extension table, perfect for managing larger projects like quilts. Align the table with the machine's bed and secure it in place. The extension table features foldable legs for easy storage and a dedicated housing for the knee lifter.




The Juki TL-2010Q with its auxiliary extension table attached, providing a larger workspace for quilting and other large projects.

## Power Connection

Connect the power cord to the machine and a suitable electrical outlet. Ensure the power switch, located at the back of the machine, is in the 'off' position before connecting.



Rear view of the Juki TL-2010Q, highlighting the power input and main power switch.

## Threading the Machine

Follow the numbered threading path indicated on the machine. Utilize the telescopic arm for spool holders, which accommodates both regular and cone-style threads. The machine includes an automatic needle threader for convenience.




A close-up of the needle area, showing the automatic needle threader mechanism.

## Bobbin Winding and Insertion

Wind the bobbin according to the instructions in the full manual. The machine features a convenient drop-in bobbin system. To access the bobbin housing unit, open the small door on the machine bed.



The bobbin area of the Juki TL-2010Q, illustrating the drop-in bobbin system.

## Operating Instructions

### Basic Sewing

The Juki TL-2010Q is a straight-stitch only machine, renowned for its precision and speed. It can achieve a

maximum sewing speed of 1,500 stitches per minute and a maximum stitch length of 6 mm. The needle bar stroke is 32mm, and it uses HAx1 or HLx5 needles, typically sizes #11 or #14.




The Juki TL-2010Q, a high-speed straight-stitch machine, ready for operation.

## Presser Foot and Knee Lifter

The presser foot can be lifted to 7mm or 9mm, with an impressive 12mm clearance when using the knee lifter. This high lift is particularly beneficial for working with thick materials and multiple layers, allowing for easy fabric manipulation and pivoting during free motion quilting.



A detailed view of the presser foot, essential for guiding fabric during sewing.

## Automatic Features

- **Automatic Thread Cutter:** The machine features an automatic thread cutter, which can be activated either by a dedicated button on the machine's face or by striking your heel down on the foot pedal.
- **Needle Up/Down Control:** A button allows you to precisely control the needle's position, moving it up or down as needed.
- **Reverse Stitch:** A reverse button enables backstitching for securing seams.
- **Drop Feed Dogs:** An option to drop the feed dogs is available, which is crucial for free motion quilting and embroidery.




The control panel of the Juki TL-2010Q, showing the stitch length dial, thread cutter, and needle position buttons.

## Speed Adjustment

Adjust the sewing speed using the lever located on the machine's body, allowing you to transition from slow, precise stitching to high-speed operation.

## Demonstration Videos

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This video provides an overview of the Juki TL-2010Q, demonstrating key features like bobbin insertion, presser foot lift, knee lifter, speed adjustment, needle threader, and the cleaning hatch.

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This review video demonstrates the machine's stitching capabilities, the extension table, presser foot lift, automatic thread cutter, needle up/down, reverse, drop feed dogs, speed adjustment, needle threader, spool holders, bobbin case, cleaning hatch, and examples of various materials being sewn.

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This video highlights the machine's stitching performance, automatic thread cutter, and overall stitch quality, showcasing its ability to handle various fabrics smoothly.

## Maintenance

### Lubrication

Regular lubrication is essential for the smooth operation and longevity of your Juki TL-2010Q. Use New Defrix Oil N°1. If you sew frequently, it is recommended to oil the machine daily. Refer to the full instruction manual for specific oiling points.

### Cleaning

To maintain optimal performance, regularly clean the bobbin area and other mechanisms. The machine features a convenient hatch on the bottom, allowing easy access for cleaning lint and debris.

## Troubleshooting

While the Juki TL-2010Q is known for its robust performance, occasional issues may arise. Many common problems can be resolved with proper maintenance and adjustments.

- **Skipped Stitches or Uneven Tension:** Ensure the machine is correctly threaded, the needle is inserted properly, and the tension settings are appropriate for your fabric and thread. The machine is designed to provide consistent stitches, so re-threading is often the first step.
- **Needle Threader Issues:** If the automatic needle threader is not working, check for any obstructions or misalignment. Sometimes, watching a video demonstration can help clarify the correct technique.
- **Unusual Noise:** If the machine becomes noisy, it may indicate a need for lubrication. Refer to the maintenance section for proper oiling procedures.
- **Needle Breakage:** Ensure you are using the correct needle type and size for your fabric. Avoid forcing thick layers through the machine.

For more detailed troubleshooting, please consult the comprehensive manual or contact Juki Customer Service.

## Specifications

| Feature | Specification |
| --- | --- |
| Brand | JUKI |
| Model Number | TL-2010Q |
| Product Dimensions (W x H x L) | 45.2 cm x 35 cm x 21.9 cm (17.8 in x 13.7 in x 8.6 in) |
| Auxiliary Table Dimensions (W x L) | 59 cm x 27.7 cm (23.2 in x 10.9 in) |
| Bed Dimensions (W x L) | 43 cm x 17.8 cm (16.9 in x 7 in) |

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|---|---|
| Item Weight | 11.5 kg (~25 lbs) |
| Throat Space | 8.5 in x 6 in |
| Max. Sewing Speed | 1,500 stitches/min |
| Max. Stitch Length | 6 mm |
| Needle Bar Stroke | 32 mm |
| Lift of Presser Foot | 7 mm / 9 mm (12 mm by knee lifter) |
| Needle Type | HAx1 or HLx5, #11, #14 |
| Lubricating Oil | New Defrix Oil N°1 |
| Foot Control Model | JC-001 |

### Included Accessories

- Foot controller
- Auxiliary table
- Exclusive screwdriver (small)
- Cleaning brush
- Bobbins (4 pcs)
- Oil
- Needles (HAx1)
- Spool cap
- Sewing machine cover
- Power cord
- Knee lifter lever
- Zipper attaching foot
- Upper feed presser foot
- 1/4 Quilting foot
- Walking foot
- Free motion foot
- Narrow foot

## Warranty

The Juki TL-2010Q comes with a manufacturer's warranty from Juki. It includes:

- **2-year warranty** on machine electronics.
- **5-year warranty** on the machine head unit.

To activate your warranty, you **MUST** fill out the Juki warranty registration card upon receiving your machine and retain all original packaging (box, manuals, etc.).
Extended warranty options may be available at the time of purchase.

## Support

For any issues or inquiries regarding your Juki TL-2010Q, please contact Juki Customer Service directly.
**Juki Customer Service: 1-800-289-5854**