

TS04 – INSTRUCTIONS – (ironing system)

1. Know the main components

On a typical **TS04 RA** setup you'll have:

- **Heated board** (112 x 42 cm) with temperature control (thermostat 30–90°C)
- **Vacuum motor** (150 W) – pulls steam down through the board
- **Blowing motor** (150 W) – pushes air up through the board
- **Foot control** – switches between vacuum / blowing
- **Heated vacuum/blowing sleeve arm** – for sleeves, small items
- **Integrated steam generator (boiler)** with automatic refill
- **Professional iron (~1.7 kg)** with steam button and steam guard

Panel layout can vary slightly, but you'll typically see switches/lamps for:

- Main power
 - Board heating / thermostat dial
 - Boiler on/off, boiler “ready” light and/or pressure gauge
 - Iron on/off (sometimes combined with boiler)
 - Vacuum and blow motors (sometimes shared, sometimes separate)
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2. Pre-use checks (before you even plug in)

Do this every time before operation:

1. Location & stability

- Place the table on a **flat, stable floor**.
- Ensure there's **clear airflow** around the base and vents (no boxes or bags blocking grills).
- Keep the unit away from water sources and kids/unauthorised staff.

2. Electrical supply

- Check the **plug, cable and socket** for damage.

- Make sure you're on the **correct voltage and fuse rating** (per rating plate).

3. Water for steam generator

- Fill the **cold-water tank** or reservoir used by the automatic refill system (if external).
- Use **softened or demineralised water** if you're in a hard-water area to protect the boiler (manufacturer strongly recommends this in the manual).
- Ensure any caps or lids are properly closed.

4. Ironing surface & covers

- Check the board cover is **clean, dry and correctly fitted** (no big creases).
- Ensure the **sleeve arm cover** is properly positioned.

5. Drainage / safety

- Make sure the boiler drain tap (if present) is **closed**, and there are no leaks.
- Keep a **heat-resistant mat** nearby for parking the iron.

3. Start-up sequence

Follow this start-up order – it reduces stress on the system and avoids wet, cold ironing.

Step 1 – Power on & board heating

1. Plug in and switch on the **main power** (wall socket and machine main switch).
2. Turn on **board heating**:
 - Set the **thermostat** somewhere around **50–70°C** as a starting point (you can tweak later).
 - Allow **5–10 minutes** for the surface to warm up.

Tip: Too low = damp board and shiny marks risk. Too high = possible fabric damage. Mid-range is safe for general work; raise slightly for heavy cotton/linen.

Step 2 – Start the steam generator (boiler)

1. Turn on the **boiler/steam generator** switch.
2. Check:
 - The **water level / refill system** is okay – no alarms or dry boiler lights.
 - Watch for the “**steam ready**” light or **pressure gauge** to reach the recommended range (green zone in many models).
3. Allow the boiler to reach pressure – typically several minutes from cold.

Do **not** pressurise a dry boiler. If any low-water warning or unusual noise occurs, switch off and investigate before continuing.

Step 3 – Heat the iron

1. Switch on the **iron** (if it has a separate switch; sometimes combined with boiler).
2. Let it **heat fully** (a couple of minutes after the boiler is up to pressure).
3. Test on a **scrap cloth**:
 - Press the steam button for a few bursts
 - Confirm **clean, dry steam** (no dirty water, spluttering, or heavy dripping)

If you get a lot of water, let it purge into a cloth until the line is hot and stable.

Step 4 – Activate vacuum / blowing

On the TS04 RA, the motors are 150 W each and are controlled via **foot pedal**.

- **Vacuum mode**: pulls steam through the board; stabilises the garment.

- **Blowing mode:** inflates the board; ideal for delicate items and avoiding seam impressions.

Depending on the model's control logic:

1. Switch on the **motor power** on the panel (if there is a master “motor” switch).
2. Use the **foot pedal** to toggle between **vacuum** and **blowing** as per the manual:
 - Some versions: pedal = vacuum, secondary control = blow.
 - Others: pedal cycles between off → vacuum → blow.

Run each mode for a moment to confirm airflow before starting production.

4. Standard ironing workflow (main board)

Here's a simple, repeatable process for most garments:

1. **Load the garment**
 - Place the item flat on the heated board, aligning seams and edges.
 - Lightly pre-shape the area you're working on.
2. **Engage vacuum**
 - Press the **foot pedal** to switch on vacuum.
 - The fabric should “lock” to the surface – this stabilises it and pulls steam through.
3. **Steam + press**
 - Place the iron on the area to be pressed.
 - Press the **steam button** in short bursts while moving the iron smoothly.
 - For shirts: collars, cuffs, then sleeves, then body – classic workflow.
4. **Drying pass**
 - Release the steam button and do a **dry pass** with the iron while vacuum is still active.

- This pulls residual moisture down into the table and dries the fabric.

5. Release vacuum

- Release the pedal, reposition garment, repeat as needed.

Rule of thumb: **Vacuum = control + drying**. Use it for 80–90% of standard work.

5. Using the blowing function

Blowing is for when you want gentle shaping without crushing:

1. Position delicate or structured garments (silk, viscose, jackets, pleated skirts, padded items).
2. Activate **blowing** via pedal:
 - The board will **inflate slightly** – fabric lifts off the hard surface.
3. Use **light steam** and minimal pressure:
 - Let the steam and air do the work, rather than pushing hard with the iron.
4. Switch back to vacuum for any final shaping if needed.

Think: **Vacuum = flat finishing, Blowing = shaping and protection**.

6. Sleeve arm operation

The TS04 RA has a **heated vacuum/blowing sleeve arm** – ideal for sleeves, trouser legs, small pieces.

Ensure the **sleeve arm heating** is enabled (if it has its own switch).

1. Slide the sleeve or trouser leg over the arm, seam aligned.
 2. Engage **vacuum** to hold the piece in place.
 3. Iron with short steam bursts, turning the item as needed.
 4. For very delicate sleeves, use **blowing** to avoid seam marks.
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7. Mid-shift best practice

During operation:

- **Top up water tank** only as per manual (usually cold-water tank, not the boiler itself – the boiler refills automatically).
 - Don't cover ventilation grills or block motor air inlets.
 - Park the iron on its **designated rest** – not directly on the board cover without vacuum.
 - Periodically check pressure/ready lights – if steam drops, give the boiler time to recover.
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8. Shutdown procedure

Always shut down in a controlled way:

1. Stop steam production

- Turn off the **boiler/steam generator** switch.
- Keep the **vacuum** available for a few minutes to dry out the board if it's damp.

2. Turn off iron & heating

- Switch off the **iron**.
- Turn the **board thermostat** to minimum or off.
- Switch off **sleeve arm heating** if separate.

3. Motors off

- Turn off vacuum/blowing motors using their switch (if separate from main power).

4. Main power off

- Switch off the **main machine switch**.
- Then switch off at the **wall socket**.

5. Cooling & safety

- Allow the boiler and iron to **cool** before moving or covering.
- If instructed by the manual, periodically **drain the boiler** (only when power off and pressure released) to remove scale and sludge.

9. Routine maintenance (high level)

Check the manual for exact intervals, but in general:

Daily

- Empty condensate containers if fitted.
- Wipe board cover and iron soleplate.
- Visually check cables and hoses.

• Weekly

- Check and clean any **lint filters** on vacuum intakes.
- Inspect foot pedal and hoses for damage.

• Monthly / per manufacturer guidance

- **Descale the boiler** if you're in a hard water area (or more often if usage is heavy).
- Inspect seals, safety valve and drain tap as per manual.