

# ECG Trolley

## DESCRIPTION

The **ECG Trolley** is a compact, stainless steel (SS-304) equipment support trolley designed to hold electrocardiograph (ECG) machines and their accessories in hospitals, clinics, and diagnostic laboratories.

From your attached image, this model features a **compact 18" × 14" platform**, a **height of 24"**, and a **clean mirror-polished SS-304 frame**, providing both stability and hygiene.

It is fitted with **2" imported castor wheels** for smooth, noise-free mobility — ideal for narrow corridors and clinical spaces. The design includes a spacious top tray for ECG machines and a lower shelf for cables, leads, or printer paper rolls. Its minimalist structure ensures easy cleaning and maximum functionality in small or busy clinical areas.

## SPECIFICATION

- Product Name: ECG Trolley
- Size: 18" × 14"
- Height: 24"
- Material: Stainless Steel (SS-304 – Medical Grade)
- Frame: Welded tubular SS-304 frame, smooth edges and rounded corners
- Shelves: Dual shelf design (top for ECG unit, bottom for accessories)
- Wheels: 2" imported castor wheels (two with brakes)
- Finish: Mirror / satin polish for anti-corrosive and hygienic surface
- Handle: Optional side push handle for convenient movement
- Load Capacity: Suitable for standard ECG machine and printer accessories

## SIZES & VARIANTS

- **Standard:** 18" × 14" × 24" (as per image)
- **Optional Sizes:** 20" × 16" × 26" or 24" × 18" × 28" available on request
- **Single / Double Shelf Models:** Optional configurations for added storage
- **Wheel Options:** 2" standard or 3" anti-static castors (optional upgrade)

## TYPES & FEATURES

- Compact design with dual-shelf functionality
- Smooth mobility via 2" imported castors
- Corrosion-resistant SS-304 frame suitable for medical environments
- Easy to clean and maintain
- Ergonomic height for technician convenience
- Rounded corners and polished edges for patient and operator safety

## MATERIAL DETAILS

- **Primary Material:** Stainless Steel SS-304 (AISI 304 – non-magnetic, anti-rust)
- **Surface Finish:** Mirror polish for easy cleaning and professional appearance
- **Weld Type:** TIG-welded, seamless joints for enhanced hygiene
- **Wheel Type:** 2" imported rubber/nylon castor wheels, non-marking
- **Optional Upgrade:** SS-316 construction for corrosive environments

## CATEGORY & PRODUCT FORM

- Category: Hospital Diagnostic Furniture
- Product Form: Mobile stainless steel trolley for ECG / diagnostic equipment
- Form Factor: Compact two-tier support trolley

## USAGE & APPLICATION

- Designed for easy placement and movement of ECG machines and printers
- Used in hospitals, diagnostic labs, and cardiac departments
- Keeps ECG leads, cables, and accessories neatly organised
- Ideal for small operation theatres and portable monitoring setups
- Suitable for both **human** and **veterinary** diagnostic facilities

## ADVANTAGES

- Lightweight and portable / Long service life and zero maintenance
- Compact size fits in limited spaces/ Smooth movement on imported castors
- Corrosion-resistant and easy to disinfect

## **DISADVANTAGES**

- Smaller platform not ideal for very large ECG systems
- Limited accessory storage without lower tray
- Regular cleaning required to maintain shine

## **PRECAUTIONS**

- Always lock wheels before operating ECG machine
- Avoid exceeding rated load capacity
- Use only non-corrosive disinfectants for cleaning
- Handle cables gently to prevent tangling under wheels

## **HANDLING & CARE**

- Wipe daily with hospital-grade cleaning solution
- Lubricate wheels periodically
- Avoid abrasive scrubbing materials
- Check welds and tray alignment regularly

## **STERILISATION DETAILS**

- The trolley itself is non-sterilisable; clean using alcohol-based disinfectant
- Keep trays dry and free from conductive liquids near electrical devices
- Ensure equipment is disconnected before cleaning

## **HUMAN & VETERINARY APPLICATIONS**

- **Human Medical Use:** ECG units in hospitals, ICUs, cardiac wards, and diagnostic labs
- **Veterinary Use:** Portable ECG setups in animal hospitals and clinics

## **HS & HSN CODES**

- **HS Code:** 9403 — Other furniture; hospital and diagnostic trolleys
- **HSN Sub-Code:** 94032010 — Stainless Steel Medical Furniture

## **? FAQS (Frequently Asked Questions)**

### **Q1: Why is SS-304 the preferred material for this ECG trolley?**

SS-304 offers excellent corrosion resistance, easy disinfection, and a hygienic non-porous surface — essential for hospitals where cleanliness and durability are top priorities.

### **Q2: Are 2-inch castor wheels reliable for hospital use?**

Yes, the 2" imported castor wheels provide quiet and stable movement even in tight clinical spaces, ensuring easy handling without leaving floor marks.

### **Q3: Can the trolley safely support both the ECG machine and its printer?**

Absolutely — the SS-304 frame and welded structure are designed to carry moderate equipment loads like ECG machines, printers, and cables with full stability.

### **Q4: What is the recommended cleaning or maintenance routine?**

Clean regularly using mild hospital-grade disinfectants, avoid chloride-based solutions, and lubricate the wheels occasionally to maintain effortless movement.

### **Q5: Is the design suitable for infection control and safety standards?**

Yes, the trolley features rounded corners and a smooth, polished stainless-steel finish that prevents dust accumulation and allows quick surface disinfection.

