

# C-Arm Table

## DESCRIPTION

The **C-Arm Table (Motorised + Manual Tilting Model)** is a precision-engineered surgical table designed to provide complete flexibility, stability, and radiolucency during imaging and surgical procedures. As evident from your uploaded image, this model combines **motorised height adjustment** with a **manual tilting mechanism**, allowing smooth positioning, patient comfort, and accurate C-arm imaging access.

The inclusion of a **removable mattress** and **head-low (Trendelenburg) positioning** makes it ideal for surgical and diagnostic applications. Built entirely from **high-quality SS-304**, it offers hygiene, durability, and modern performance for advanced operating theatres.

## SPECIFICATION

- Product Name: C-Arm Table
- Type: Motorised Height Adjustable with Manual Tilting
- Height Adjustment: Motorised (electric actuator system)
- Tilting Mechanism: Manual mechanical lever for head-low & Trendelenburg positions
- Material: Stainless Steel (SS-304 – Medical Grade)
- Surface: Radiolucent tabletop with removable mattress
- Finish: Fine polished, smooth, disinfectant-safe
- Operation: Electric lift via push-button or foot pedal
- Power: 230V AC, single-phase, low noise actuator
- Frame: Heavy-duty SS-304 welded tubular structure
- Head-Low Angle: Up to 30° adjustable manually
- Mattress: High-density foam mattress with washable PU cover
- Base: Broad, anti-vibration design for maximum stability

## SIZES & VARIANTS

- **Standard Dimensions:** Approx. 24" × 72" tabletop (based on your image)
- **Height Range:** Adjustable via motor from 28" to 40"
- **Variants:**
  - Motorised height + manual tilt (standard)
  - Fully motorised tilt & height (advanced version)

- Fixed height with C-Arm compatibility (economy model)
- **Finish Options:** Fine polished / matte brushed SS-304

## ⚙️ TYPES & FEATURES

- Motorised height control for smooth, effortless operation
- Manual tilting attachment allows easy head-low and head-up adjustments
- C-Arm compatible radiolucent surface for precise imaging
- High-density mattress enhances patient comfort and support
- Smooth, silent motor system suitable for sterile environments
- Robust, corrosion-resistant SS-304 body designed for heavy clinical usage

## 📦 MATERIAL DETAILS

- **Material:** SS-304 (AISI 304 – non-corrosive, non-magnetic, and hygienic)
- **Finish:** Fine polished, reflective, easy to disinfect
- **Frame:** TIG-welded stainless steel base and supports
- **Mattress:** High-density PU foam with water-resistant washable cover
- **Mechanism:** Motorised linear actuator + mechanical tilt lever

## 🏷️ CATEGORY & PRODUCT FORM

- Category: Operation Theatre Furniture
- Product Form: Motorised C-Arm compatible surgical table
- Function: Adjustable-height radiolucent operating table with tilt and mattress

## 🌿 USAGE & APPLICATION

- Designed for use in **operation theatres, imaging suites, and surgical diagnostics**
- Suitable for **C-Arm imaging, orthopaedic, urology, and general surgeries**
- Ideal for both **human and veterinary surgical procedures**
- Ensures accurate positioning and ergonomic working conditions for surgeons

## **ADVANTAGES**

- Motorised height adjustment for precise positioning
- Manual tilting allows quick Trendelenburg/Reverse Trendelenburg movement
- Radiolucent top supports full C-Arm X-ray imaging
- SS-304 ensures long life and easy cleaning
- Comfortable mattress provides patient safety and stability

## **DISADVANTAGES**

- Requires electrical connection for motor function
- Manual tilt requires slight operator effort
- Heavier than standard non-motorised tables

## **PRECAUTIONS**

- Always lock table before tilting or height adjustments
- Keep motor and switch components away from liquid spills
- Avoid overloading beyond specified weight limit
- Disconnect power before cleaning or maintenance

## **HANDLING & CARE**

- Clean daily with alcohol-based or neutral cleaners
- Avoid using abrasive pads or acids on SS finish
- Lubricate manual tilt joints periodically
- Inspect motor function and electrical cables regularly

## **STERILISATION DETAILS**

- Clean surface using 70% alcohol-based disinfectant
- Avoid autoclaving the entire unit
- Mattress cover can be disinfected or replaced as required
- Maintain sterile hygiene during surgical use

## **HUMAN & VETERINARY APPLICATIONS**

- **Human Medical Use:** General, orthopaedic, and imaging-guided surgeries
- **Veterinary Use:** Animal surgeries and radiographic procedures requiring flexible positioning
- Optimised for clinics that use C-Arm fluoroscopy systems

## **HS & HSN CODES**

- **HS Code:** 9402
- **HSN Code:** 94029090 — Hospital Operating Tables (Motorised, Stainless Steel Type)

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

### **Q1: What is the benefit of having both motorised and manual tilting functions?**

Motorised lift ensures smooth height control, while manual tilt provides precise angular adjustment without complex electronics.

### **Q2: Is the table compatible with C-Arm imaging?**

Yes — the radiolucent surface allows full C-Arm access for real-time imaging during procedures.

### **Q3: How comfortable is the mattress for long-duration surgeries?**

The high-density foam mattress provides firm yet soft support, ensuring patient comfort and posture stability.

### **Q4: Can it achieve a full head-low (Trendelenburg) position?**

Yes, the manual tilting system allows a controlled head-low angle of up to 30°, ideal for surgical applications.

### **Q5: How is the table cleaned and maintained?**

Wipe all surfaces with hospital-grade disinfectant, clean the mattress cover separately, and perform routine checks on the motor assembly.

