

Dental Compressor Trolley

DESCRIPTION

The Dental Compressor Trolley is a compact, durable, and highly functional stainless steel (SS-304) support trolley designed specifically for dental clinics, laboratories, and operating rooms. From the image, this model features a **20" x 20" square platform** with a **30-inch height**, ideal for securely holding a dental compressor unit or related dental equipment.

The structure is fabricated from premium **SS-304 tubing**, offering excellent corrosion resistance, hygiene, and long-term durability. The trolley has **two sturdy platforms** — the top for mounting the compressor and the lower shelf for accessories or tools. Smooth **mirror-polished finish, rounded edges**, and **four heavy-duty castor wheels** provide mobility, safety, and easy cleaning, making it a perfect fit for both human and veterinary dental applications.

SPECIFICATION

- Product Name: Dental Compressor Trolley
- Size: 20" x 20" (Height 30")
- Material: Stainless Steel (SS-304 – Medical Grade)
- Construction: Welded tubular SS frame with smooth rounded corners
- Shelves: Dual-platform structure – top for compressor, bottom for accessories
- Finish: Mirror / satin polished for hygienic, anti-corrosive protection
- Mobility: Four swivel castor wheels (two lockable for stability)
- Design: Compact, vibration-resistant base with open sides for ventilation
- Usage: Supports dental air compressors and suction units during operation

SIZES & SHAPES

- Standard square design (20" x 20") ensures balanced weight distribution
- Height (30") allows convenient access and airflow for compressor cooling
- Compact design fits easily under dental workstations or beside dental chairs
- Optional variants available with adjustable shelf or noise-dampening pad

TYPES & VARIANTS

- **Standard Type:** Two-level SS-304 trolley
- **Vibration-Controlled Type:** Fitted with rubber pads or anti-shock mounts
- **Enclosed Type:** With panel sides for compressor sound reduction
- **Wall-Mounted Type:** Used in modular dental setups
- **Customized Type:** Height-adjustable or extra storage shelf model

MATERIAL DETAILS

- Stainless Steel **SS-304 (AISI 304)**: Non-magnetic, corrosion-resistant, hygienic
- Welding: TIG welded joints, fully ground and smoothed
- Finish: Mirror-polished reflective surface for professional appearance
- Wheels: Non-marking rubber/nylon castors with stainless brackets
- Optional Upgrades: SS-316 grade for higher chemical resistance in labs

CATEGORY & PRODUCT FORM

- Category: Dental / Surgical Support Equipment
- Product Form: Open-frame mobile trolley with dual platform design
- Ideal for: Dental compressor support, suction motor mount, and accessory storage

USAGE & APPLICATION

- Designed for safe placement of **dental air compressors**, suction pumps, or ultrasonic devices
- Ideal for dental clinics, prosthetic labs, and minor surgical areas
- Ensures easy mobility for compressor relocation and maintenance
- Maintains airflow and stability during equipment operation
- Suitable for both **human and veterinary dental** use

ADVANTAGES

- Compact, space-saving design
- Corrosion-resistant and easy to disinfect
- Smooth mobility with swivel castors
- Sturdy enough to support heavy compressor units

DISADVANTAGES

- Open-frame design provides no sound insulation
- Limited shelf space for accessories
- Regular cleaning required to maintain polish
- May vibrate slightly with large compressor load unless vibration pads used

PRECAUTIONS

- Do not overload beyond rated capacity of compressor weight
- Lock castors before operating compressor
- Avoid exposure to excessive water or corrosive chemicals
- Clean with mild detergent — avoid chlorinated cleaners
- Ensure adequate ventilation around compressor for cooling

HANDLING & CARE


- Wipe with soft cloth using approved disinfectant solutions
- Inspect wheels regularly and lubricate as needed
- Avoid abrasive scrubbing pads that may dull the finish
- Ensure welds and brackets are intact before each use
- Keep in a dry, clean, and dust-free zone for extended life

STERILISATION DETAILS

- The trolley itself does not require sterilisation but should be cleaned regularly
- Recommended cleaning: 70% isopropyl alcohol or neutral pH cleaning agents
- Avoid heat sterilisation or steam contact directly on SS structure
- Maintain sterile zone hygiene if used near dental surgical units
- Can carry sterilised trays when used in dental operation rooms

HUMAN & VETERINARY APPLICATIONS

- **Human Dental Use:** Compressor mounting in dental clinics, prosthetic labs, or mobile dental units
- **Veterinary Dental Use:** Animal dental surgery support or portable compressor placement

-  **HS & HSN CODES**
HS Code: 9403 — Other furniture; medical and hospital carts
- **HSN Sub-Code:** 94032010 — Stainless steel medical/dental trolleys
- **Alternative Classification:** 8419 (if integrated with sterilising or mechanical systems)

? FAQs (Frequently Asked Questions)

Q1: What is the main material used in this trolley?

The Dental Compressor Trolley is made from **Stainless Steel 304 (SS-304)**, offering superior corrosion resistance and hygiene.

Q2: Can this trolley support heavy dental compressors?

Yes, it is designed for small to medium-sized compressors; ensure the unit's weight does not exceed the load rating.

Q3: How do I clean and maintain it?

Use a soft cloth and mild disinfectant. Avoid strong acids or chloride-based cleaners to preserve the shine and strength of SS-304.

Q4: Is it suitable for veterinary dental setups?

Absolutely. The trolley's compact design and durable build make it ideal for both human and veterinary dental units.

Q5: What is the correct HSN code for this product?

HSN **94032010** — classified under stainless steel hospital and dental furniture/trolleys.

