

Product Technical Specifications and Images

I. Name: Manual Dual-Shaking Nursing Bed

II. Specifications: 2120*975*500 (mm) (including Guardrail)

III. Functions:

★1. **Headboard and footboard:** Made of high-quality ABS reinforced plastic through single-piece injection molding, featuring a curved European-style design with elegant lines and a colored plastic decorative panel in the center. The headboard and footboard incorporate an insert-type locking mechanism for stable performance, easy disassembly, and suitability for CPR resuscitation, meeting clinical requirements; the outer side of the footboard includes a patient information card slot.

2. **Hand-shaking mechanism:** Dual-group hand-shaking system with a concealed design, featuring robust flexibility, noise-free operation, and effortless handling. It allows precise adjustment of the patient's back and leg positioning height.

★3. **Screw:** Linkage-driven lifting system: "The screw is made of 45# die steel with a fully steel transmission clutch system," featuring no plastic components, excellent wear resistance, high compressive strength, and extended service life. Equipped with a bidirectional limit-free positioning protection device to enhance durability and safety, ensuring effortless operation, smooth rocking motion, and reliable position protection.

4. **Range of adjustment:** Back elevation $85^{\circ} \pm 5^{\circ}$, foot elevation $45^{\circ} \pm 5^{\circ}$, bed load capacity ≥ 280 kg.

★5. **Guardrail:** ① Aluminum alloy folding guardrail that can be folded and laid flat, with a total length of ≥ 1430 mm; features D-shaped handrails, six drum-shaped supports (containing solid plastic columns), and zinc-aluminum alloy handles, ensuring robust construction and long service life; ② Single-button quick-positioning safety switch (with internal copper components) and U-shaped steel base, facilitating easy operation; ③ The aluminum alloy section employs electrophoretic coloring and reinforcement treatment for aesthetic appeal; ④ When lowered, the guardrail remains slightly below the mattress to prevent displacement and incorporates anti-pinch functionality, demonstrating a rational, sturdy, and durable design.

6. **Bed Panel:** Manufactured through single-pass stretching molding from cold-rolled steel plates, it features a porous design for enhanced breathability and anti-slip functionality. Beyond its molded profile, the panel incorporates multiple reinforcing ribs with two corrugated reinforcement ribs added to each side, ensuring high load-bearing capacity and an aesthetically pleasing appearance.

7. **Bed panel connector:** Made of high-strength, premium metal for durability and wear resistance, with easy disassembly and disinfection.

8. **Infusion架 socket:** The bedside features four infusion架 slots and four drainage hooks. When not in use, the infusion架 can be stored within the drainage hooks, which also accommodate drainage bags, urine bags, and other items. **Infusion架 cover: 19mm inner diameter, 2.5mm thick, made of nylon, with 3×10mm rotation limiters for the infusion架.**

★9. **Bed Panel:** The back panel features a "V" -shaped dual-support load-distributing structure. Four 15*30 mm carbon steel pipes reinforce each side of the bed panel, while two 25*25 mm steel pipes evenly distribute pressure at the center, effectively transferring two-thirds of the bed panel's load to the bed beams. This design minimizes stress on the screw rods, enhances the safety of the back panel, and facilitates easier operation of the control lever. **Dimensions: Back panel – 840*750*30 mm; Hip panel – 840*240*30 mm; Leg panel – 840*330*30 mm; Calf panel – 840*510*30 mm. The gap between adjacent bed panels is no less than 20 mm, with a 40 mm clearance at joints. The total actual length of bed panels is 1950 mm. The gap between the headboard and bed panel is 32 mm, while the gap between the footboard and bed panel is 30 mm.**

10. The overall ground clearance of the bed surface is over 43 cm, facilitating clinical examination procedures and hygiene maintenance.

11. **Collisionsafe corners:** The four corners are equipped with PVC collisionsafe corner guards, featuring a tight structure to ensure protection during pushing.

★12. **Casters:** 5-inch Taiwanese luxury full-pack casters made of super polyurethane, featuring noise-free and wear-resistant performance, smooth movement, and a braking device for excellent stability. **(Import customs declaration certificate and SGS inspection certificate from the caster manufacturer are provided.)**

13. **Infusion stand:** Features a manually operated telescopic dual-section design with an adjustable height ranging from 1000 mm to 1600 mm, ensuring flexible operation; constructed from stainless steel, it is lightweight and equipped with symmetrical hooks to meet clinical requirements. **The stand includes a rotating locking mechanism and a clamping device on the lower tube to prevent rotation of the infusion tube.**

14. **Storage Shelf:** A storage shelf is installed beneath the bed frame, allowing patients to organize personal items efficiently while saving space. It is sturdy and practical.

15. **Mattress:** L1960*W840*H70 mm

Material Description: The inner layer consists of high-strength, high-density sponge (50 mm) and natural eco-friendly palm fiber (20 mm), treated for insect resistance, waterproof, and breathable properties. It is available in two single-fold configurations or four three-fold configurations, featuring a blue medical-grade waterproof and wear-resistant fabric outer layer with a zipper for easy detachment. The mattress size is compatible with the bed surface.

Available leather colors: dark gray, white gray, dark blue, and fruit green; customizable according to customer requirements.

V. Material:The bed frame is constructed using nationally standardized square tubes (60×30×1.5 mm), while the bed legs are welded from 50×50×1.5 mm square tubes.**All bed components are interconnected according to ergonomic principles, featuring precise pivot points, robust welds, and smooth-acting mechanisms that operate silently. (The product is welded using imported automated robotic welding equipment.)**

★**VI. Bed Surface Treatment:** The coating possesses antibacterial and anti-mold properties (backed by official certification reports),qualifying it as a New Century green, healthy, and eco-friendly product.

Description:The treatment process includes degreasing, rust removal, rust prevention, secondary phosphating, and electrostatic spraying with subsequent baking. The resulting surface is smooth and glossy. Tests confirm that the adhesion meets Grade 1 standards, ensuring no peeling or rusting.

★**7. Robot welding effectively eliminates porosity in the weld seams, ensuring stable welding quality (robot welding systems have a service life more than three times longer than traditional manual welding methods).**

(Provide an invoice proof for the robotic arm)

VIII. Configuration:Aluminum Alloy Guardrail, Full-Foot Wheels, Drip Rack, Mattress.

IX. Configuration List:

Number	Accessory Name	Unit	Accessories quantity	Remarks
1	ABS bedside tail	Pay	1	
2	Aluminum alloy guardrail	Pay	1	
3	5 Dun luxury casters	Individual	4	
4	Lead screw	Set	2	
5	Drip stand	Branch	1	
6	Storage rack	Individual	1	
7	30% off eco-friendly mattress	Zhang	1	
8	Table board	Block	1	

