

S-TOWER
THE SMART IV POLE

The definition of
**Ergonomics, Versatility
and Dependability**

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ANGEL MEDICAL
DEVICES



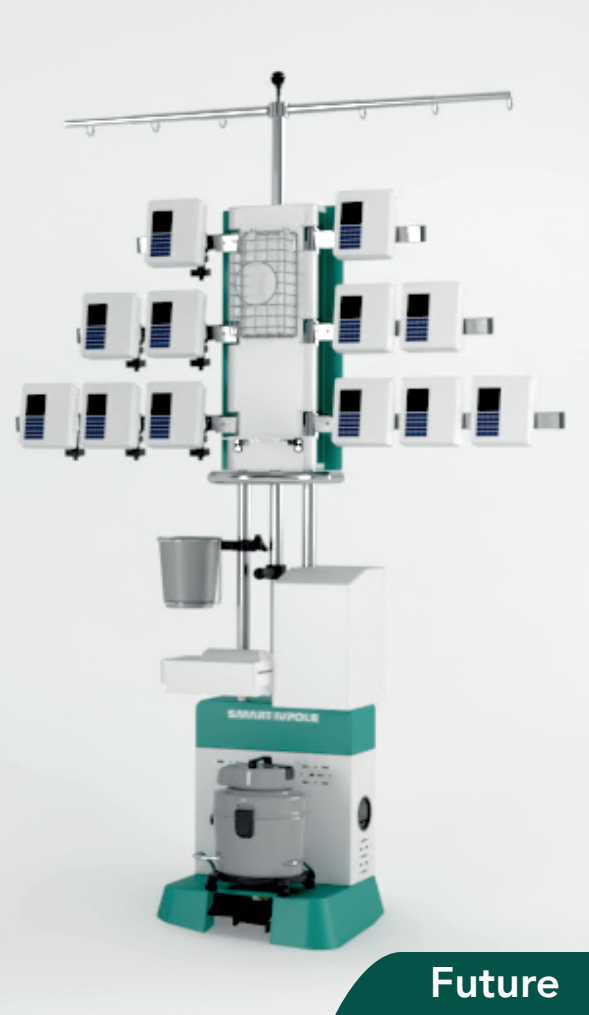
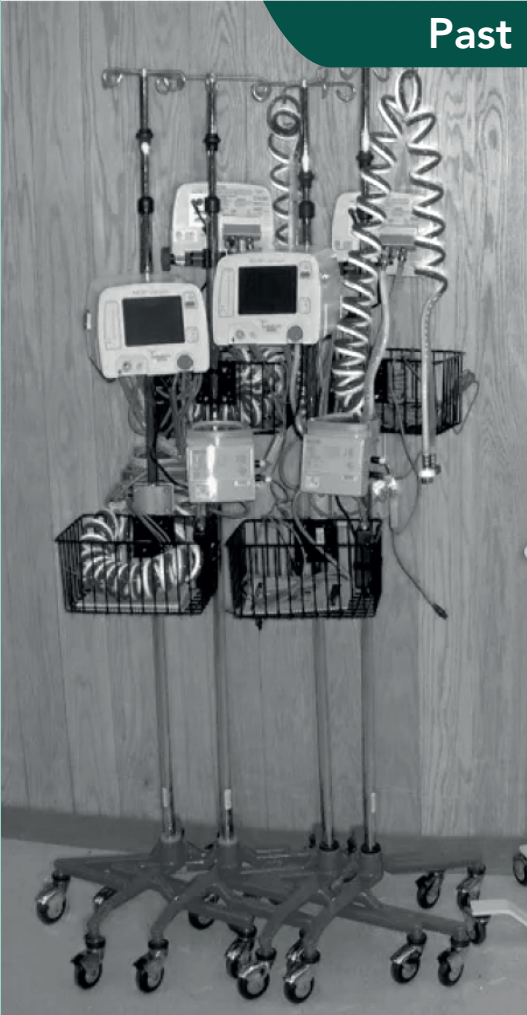
About Us

Angel Medical Devices offers solutions that enable healthcare professionals to deliver exceptional care during complex medical cases.

Committed to innovation in the perioperative field, we develop ergonomic solutions that improve workflow processes, and safety for patients and providers.

Our mission is to deliver medical devices and accessories that simplify the overburdened medical procedure suites such as the operating rooms, hybrid rooms, and intensive care units.

Past



Future

Ergonomics, Versatility, and Dependability become ONE.

Introducing The S-Tower, The Smart IV Pole: A radical, innovative platform that eliminates the limitations of the obsolete IV pole, by offering additional utility functions for the surgical, anesthesia, and ICU environment, while protecting personnel and valuable medical equipment.

The new Smart IV Pole is built as a modular structure allowing hospitals and users to customize the number of options needed for their workspace and workflow.

From the simplest setting to the fully loaded option, the S-Tower contributes excellent value to patient safety, ergonomics, workflow continuum of care, and inventory control.

NAKED

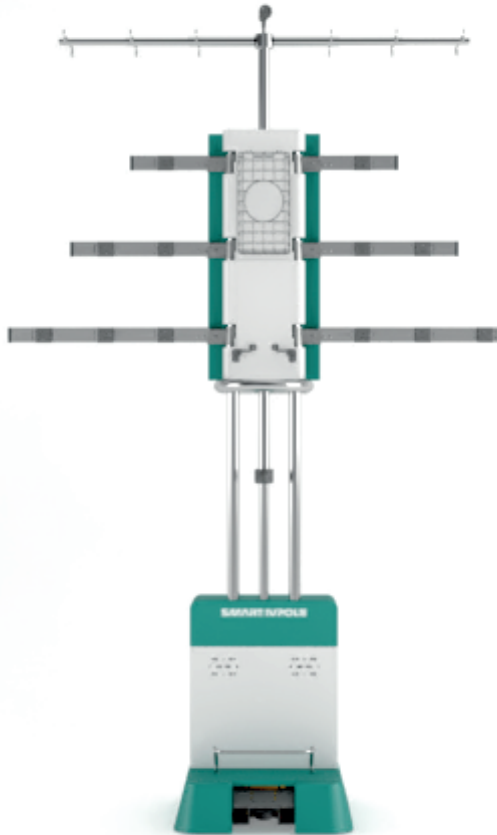


FULLY LOADED



Main Profiles

Front with arms extended



Front with arms retracted



Back



Side

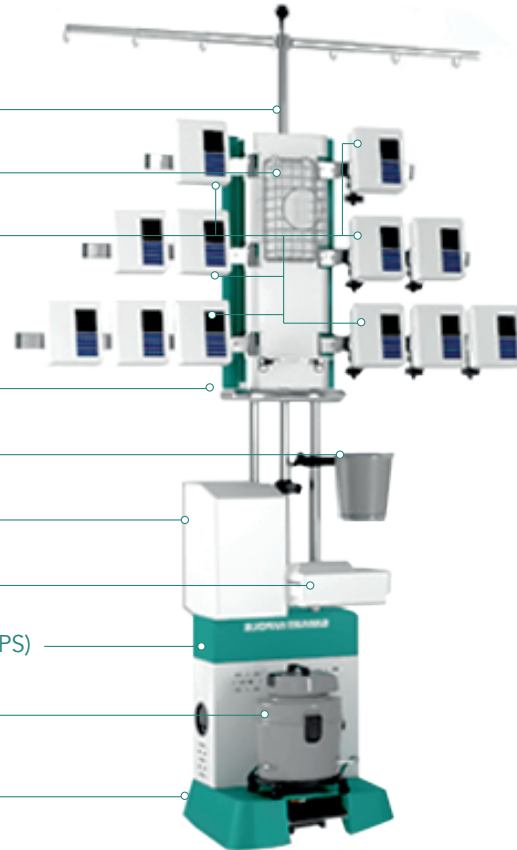


Modularity, Configuration, Power source, Tracking

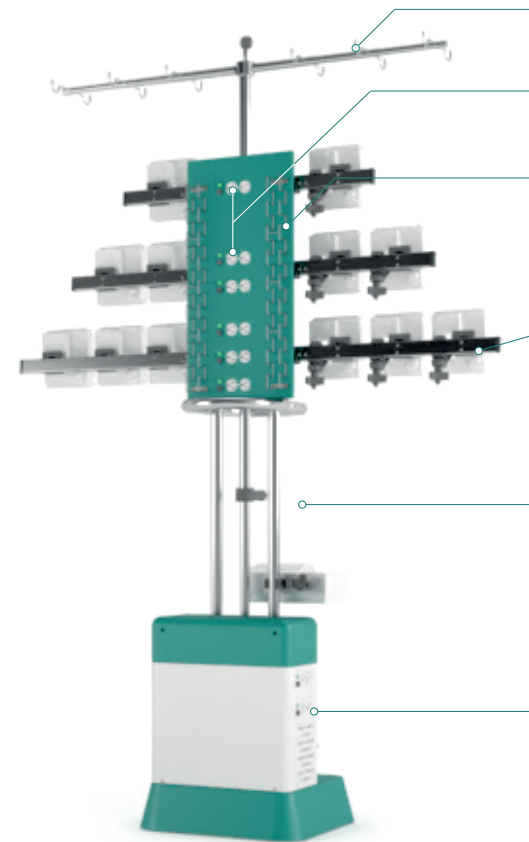
FRONT VIEW

BACK VIEW

- Pole for height adjustment
- Auxiliary basket
- 12 infusion pump capacity
- Maneuvering bar for transport
- Blood Reservoir
- Massive Transfusion Set
- Fluid Warmer
- Uninterrupted Power Supply (UPS)
- Air Blower
- Base with protected wheels and locking system



- Horizontal telescoping arms with IV fluids hooks
- Electrical outlets
- Cable organizer comb
- Power Rails for infusion pumps
- Bilateral poles for essential equipment
- Outlets and USB ports for electronic devices



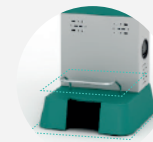


ALL IN ONE SOLUTION

A single platform to hold and to secure multiple essential medical equipment to deliver above-the-standard patient care, superb ergonomics, uninterrupted power source, and to decrease valuable equipment wear and tear.

All in one platform, the tower improves clinical compliance by having all needed equipment readily available as a unit, improves patient and staff safety by eliminating hazards from the Spaghetti syndrome, all while offering power backup and inventory control.

The S-Tower serves as a single integrated structure to support and secure the multiple medical equipments used by the anesthesia and ICU staff when performing their functions, improving their workflow and patient safety, all while decreasing waste and cost.



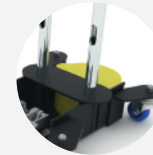
Stable Square Base

Decreases footprint by 25%, prevents equipment collision, improves storage, easier transport.



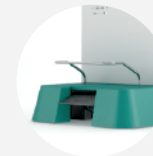
Full Peripheral Skirt Shield

Prevents sudden stops, entanglements, and running over cables. Provides more stability with full floor contact when locked, prevents tipping onto patients or valuable equipment.



Retractable Power Cord

Decreases staff hazards from the spaghetti syndrome by self-recoiling the power cords above and below when not in use.



Single Large Front Brake

Provides superb ergonomics, stability, and safety by locking all four wheels simultaneously, preventing any movement.



Floating Front Rail

Fastens and protects the air blower to a convenient location.

LOWER DECK

Prevents tipping with a low center of gravity.



Uninterrupted Power Supply

Provides patient and critical equipment with power backup to improve patient safety.



Air Blower

Readily available to improve temperature management.

LOWER SECTION



Two Fixed Parallel Vertical Poles

Provides increased stability, sturdiness, and mounting area capacity.



One Central Mobile Vertical Pole with a Handle

Provides better handling ergonomics, easily moved with one hand.

MIDDLE SECTION



Oval Peripheral Handle with Straps

Better control for maneuvering during transport.



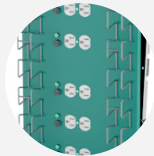
Six Horizontal Retractable Arms

Increased capacity for twelve IV infusion pumps as needed. When in use, the arms adjust forward. When idle, each arm retracts upwards and hides independently.



Twelve Cordless Contact Charging Brackets

Eliminate the need for the IV pump power cord, improves ergonomics by eliminating the spaghetti syndrome while saving on capital equipment expenditures.



Twelve Posterior Electrical Outlets

Provides maximum capacity to charge medical equipment, including the twelve IV pumps, simultaneously if needed.



Front Mesh Basket

Provides an optional container for securing hardware connected to the patient, such as a cardiac pacemaker or having a preferred-size glove box readily available.



Front Foldable Tray

Provides a valuable working surface for different tasks, such as, prepping medications.

MIDDLE SECTION



Front Electrical Outlet and USB Charger

Facilitates the charging of staff's personal electronics, eliminating distractions away from the patient.



Posterior Cable Organizer

Efficiently and securely coils each cable independently from the other cables.

UPPER SECTION



Upper Horizontal Hanging Bars

Telescoping bars adapt to the length needed depending on the number of hanging fluid bags.



Upper Retractable Power Cord

Eliminates hazards to personnel by providing the ideal position to connect with ceiling towers.

What does it mean to clinicians?



Readiness

When seconds count, all essential medical equipment is ready to go in one central place. Always charged, no need to plug and setups. Just connect to the patient.



Versatility

The S-Tower adapts to any situation and environment. It exceeds all current IV pole systems uses.



Reliable

Extremely well-thought-out structure, consistently delivering all functions in any room any case.

Who can benefit from the S-Tower?



Patients

A safer support platform that is always available. Increase medical compliance with protocols, decrease medical errors, always with a backup.



Anesthesiologists and intensivists

Daily superusers performing complex tasks.



Nurses

Superb ergonomics, organization for better patient care.



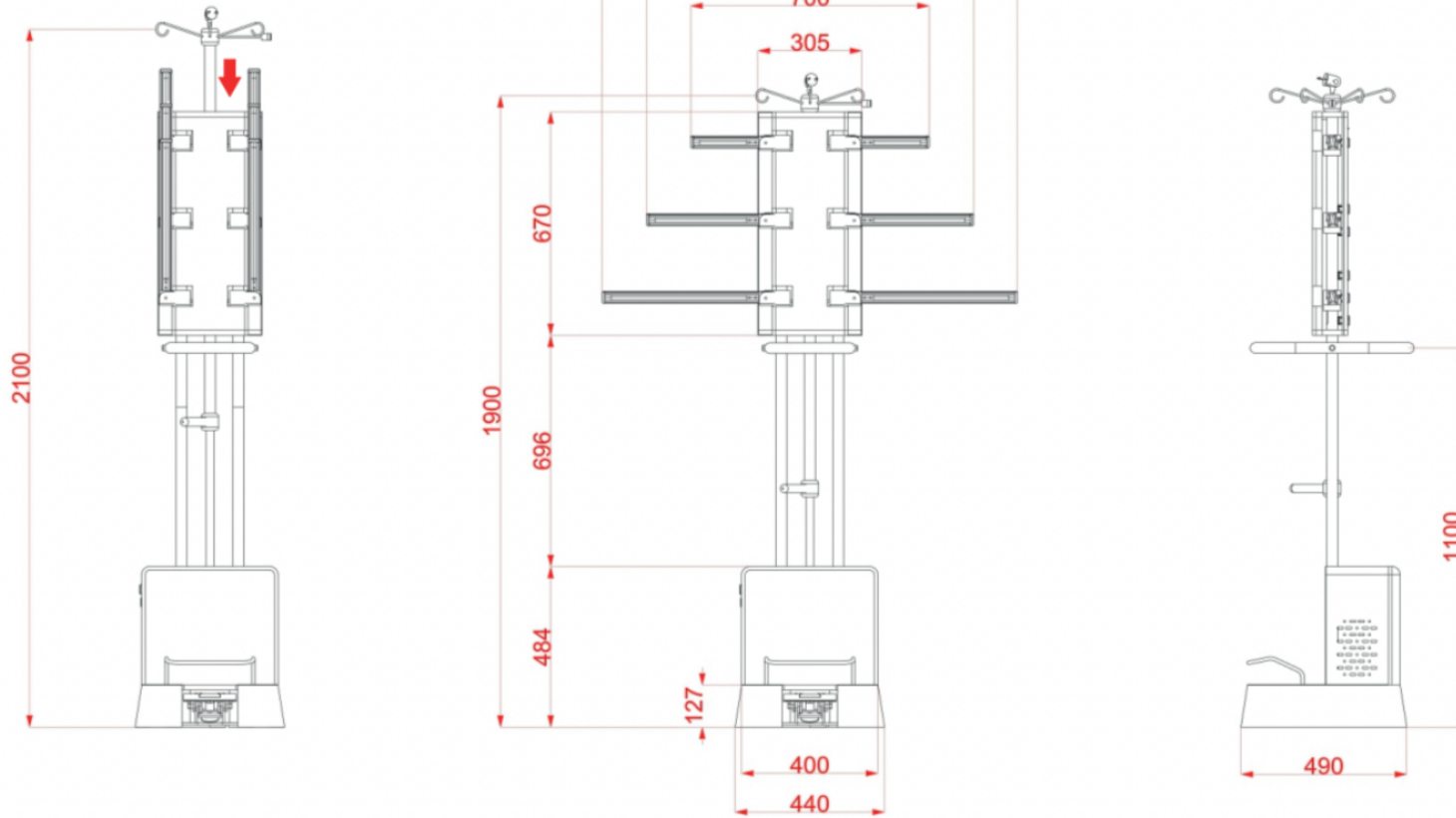
Hospitals

Financial managers with significant decrease on consumption of capital assets, improve inventory control with tracking, and risk management with decreased staff and patient injuries.

S-TOWER

THE SMART IV POLE

Dimensions (Metric System)



Indication for use:

The S-Tower was designed by seasoned anesthesiologists and intensivists attending high-acuity cases to respond to patient, staff, and hospital needs. Teaming up with industrial and mechatronics engineers, the S-Tower was designed to maximize workflow and throughput, ergonomics and safety, and cost savings, becoming the ideal mobile platform for any tertiary and quaternary hospitals.

It is indicated to be used in simple cases in surgery with the basic-naked setup carrying the mounted air-blower and fluid-warmer to the most complex cases in surgery and ICU offering comprehensive features to support patient care, practitioners' needs and hospital requirements. Regardless of the configuration, the S-Tower is the solution for inventory control and decreased consumption of fixed capital in overburdened medical rooms.



Pat. Pend.



Warnings

The S-Tower was designed to take into account possible risks in each performing environment. All testing was done under real conditions evaluating each feature function to the liberty degrees limit, including weight and balance.

Use only the S-Tower for the intended purpose. **DO NOT** amount non-medical equipment to it. **DO NOT** climb on it.

Competitive Landscape

	S-YOWER THE SMART IV POLE	ZIPlift
12 pumps capacity	✓	✗
Easy to transport	✓	✓
Eliminate the main hazard from the spaghetti syndrome	✓	✗
Smaller footprint	✓	✗
Self-Adjustable	✓	✓
Vesatile	✓	✗
Ergonomic	✓	✗
Cost Saving	✓	✗

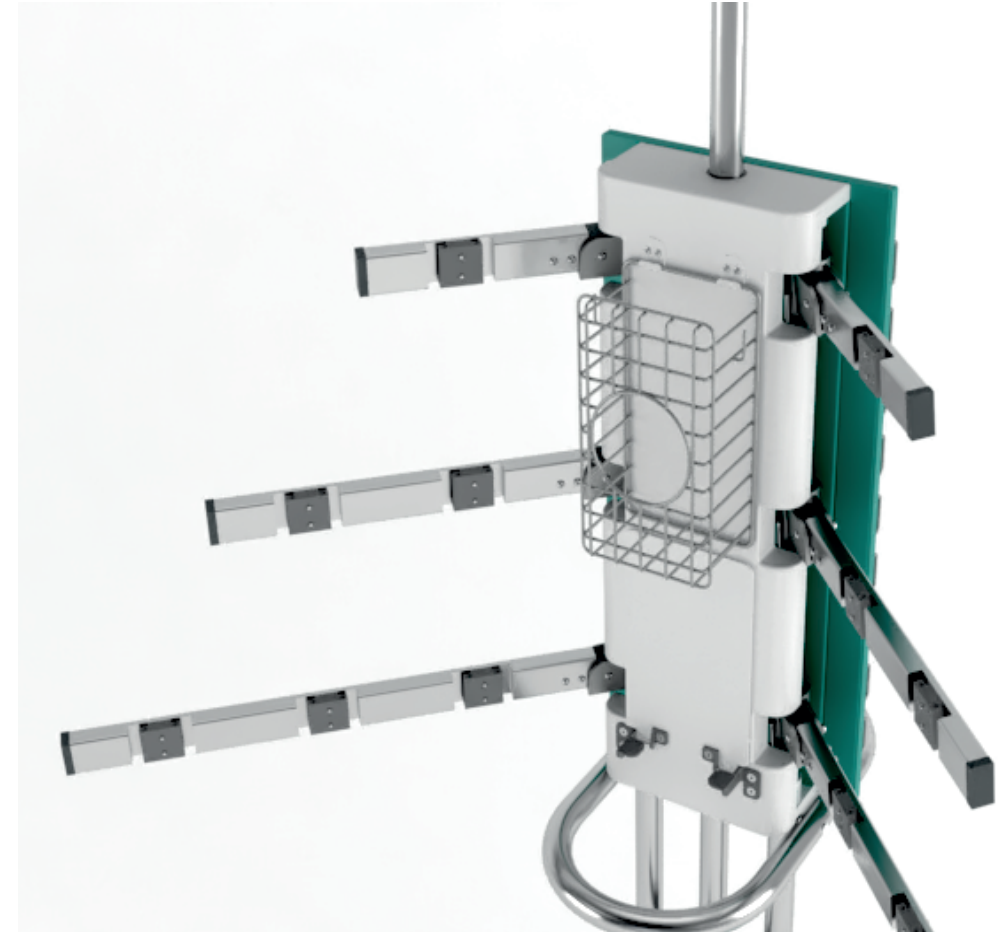


Ordering info and support.

WE WILL HELP YOU

✉ contact@angelmedicaldevices.com

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