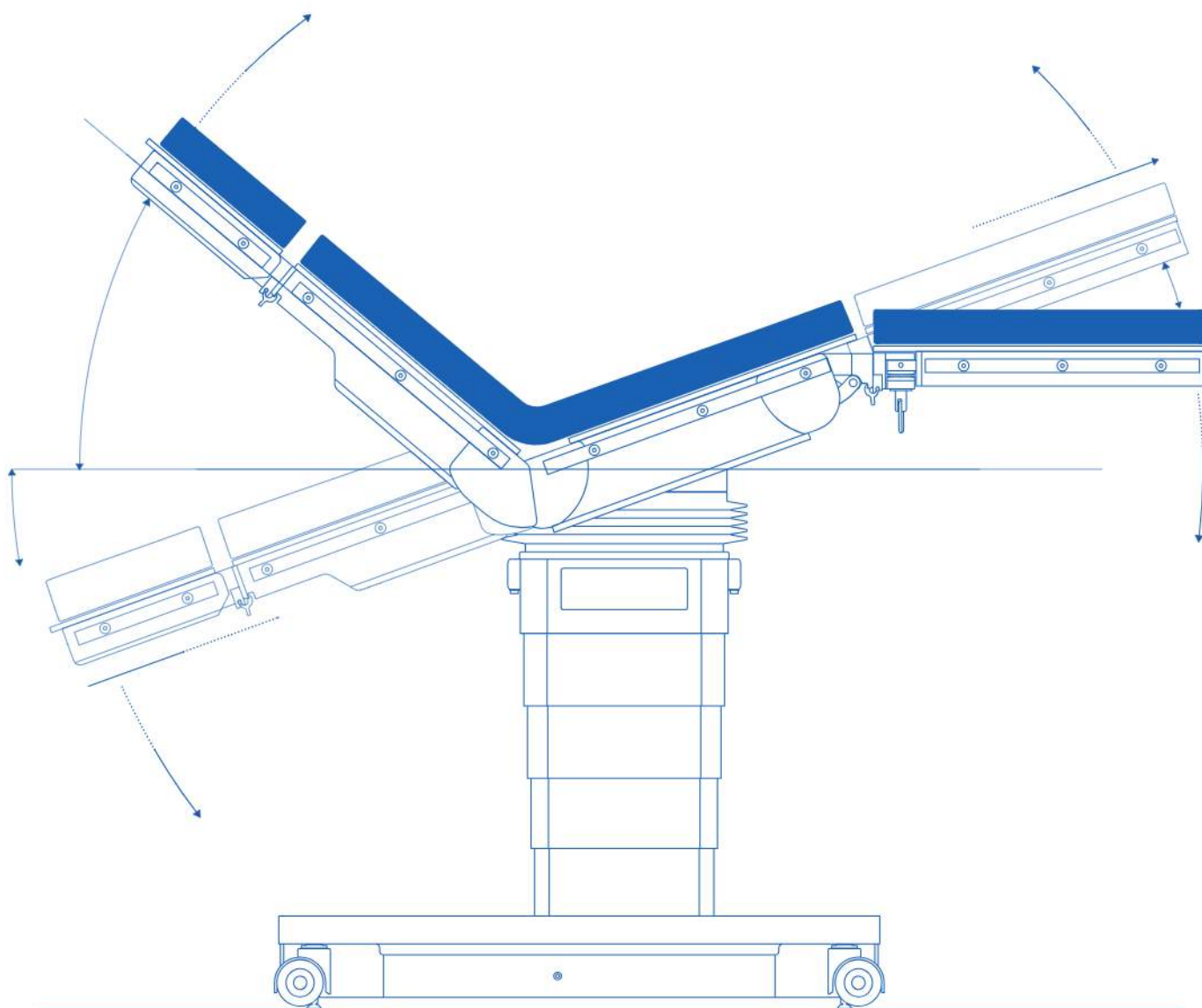


LUVIS | ST500

A GENERAL TABLE WITH
VERSATILITY & EFFICIENCY

Designed to provide an efficient platform for various
surgeries, streamlining surgical workflows,
and enhancing the efficiency of the operating room



LUVIS OPERATING TABLE

LUMIS | MEDICAL
SYSTEMS

D-C-LVST-V3-202602-ENG

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THE FIRST CHOICE for perfect operating rooms

DENTIS

DENTIS Co., LTD.
www.luvvis.co.kr

(HEADQUARTERS) 99, Seongsosseo-ro, Dalseo-gu, Daegu, Republic of Korea
(FACTORY) 6, Yuram-ro, Dong-gu, Daegu, Republic of Korea
DENTIS MEDICAL DIVISION (SEOUL OFFICE) 286, Beotkkot-ro, Geumcheon-gu, Seoul, Korea

Tel +82-53-583-2804
Tel 1899-7570 / +82-70-7731-4181
Email luvvis@dentis.co.kr

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Introduction of DENTIS

DENTIS, established in 2005, is a dental and medical solutions company
LUVIS MEDICAL SYSTEMS is the operating room solutions brand
under the DENTIS Medical Division,
exporting LUVIS products to 80 countries worldwide



LUVIS PRODUCTS OPERATING TABLE



LUVIS ST500 SERIES

LUVIS | ST500 SERIES



Feature



454kg Weight Capacity



Various Surgical Application



Innovative LED Alarm System



Collison Control

Convenient
Efficient
Smart
Safe



Feature



Smart Anti-Collision



LED Alarm System
(Lock/Unlock/Limit)



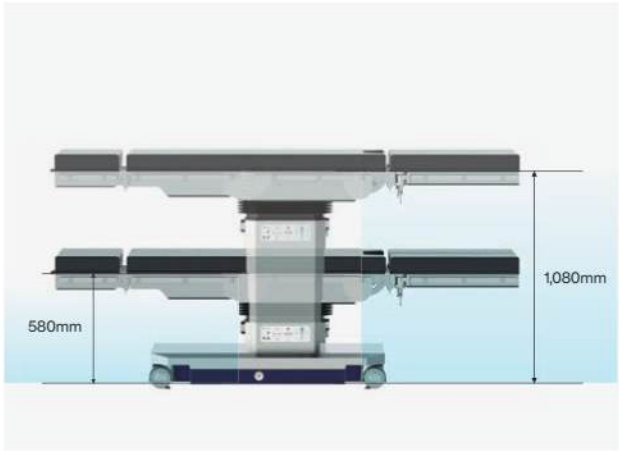
LCD Remote Controller
(Display Realtime Information)



360° 4 Swivel Castors



Pre-Programmed Memory Position



Convenient

LUVIS ST500 provides convenient low height for MIS, robotic and bariatric techniques without sacrificing the height needed for orthopedic and cardiac procedures



Efficient

Optimal solution for cardiovascular surgery with wide imaging access and better radiolucency



Smart

Intelligent remote controller makes it easy to precisely adjust the patient's position



Safe

Smart Anti-Collision function ensures safety

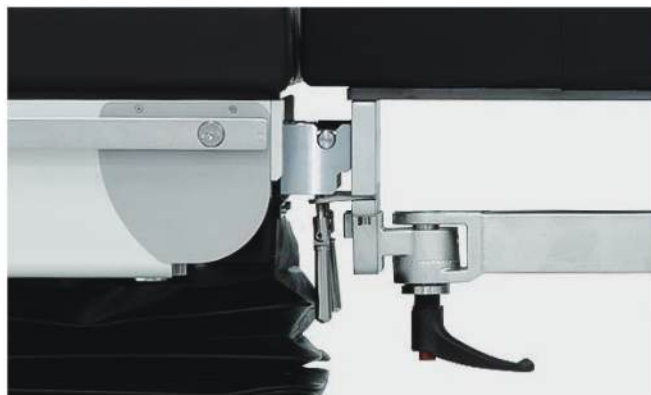
Effective Accessory Attachment

LUVIS ST500 Series allows users to efficiently handle the removal and attachment of accessories such as orthopedic traction frames in a short period of time.



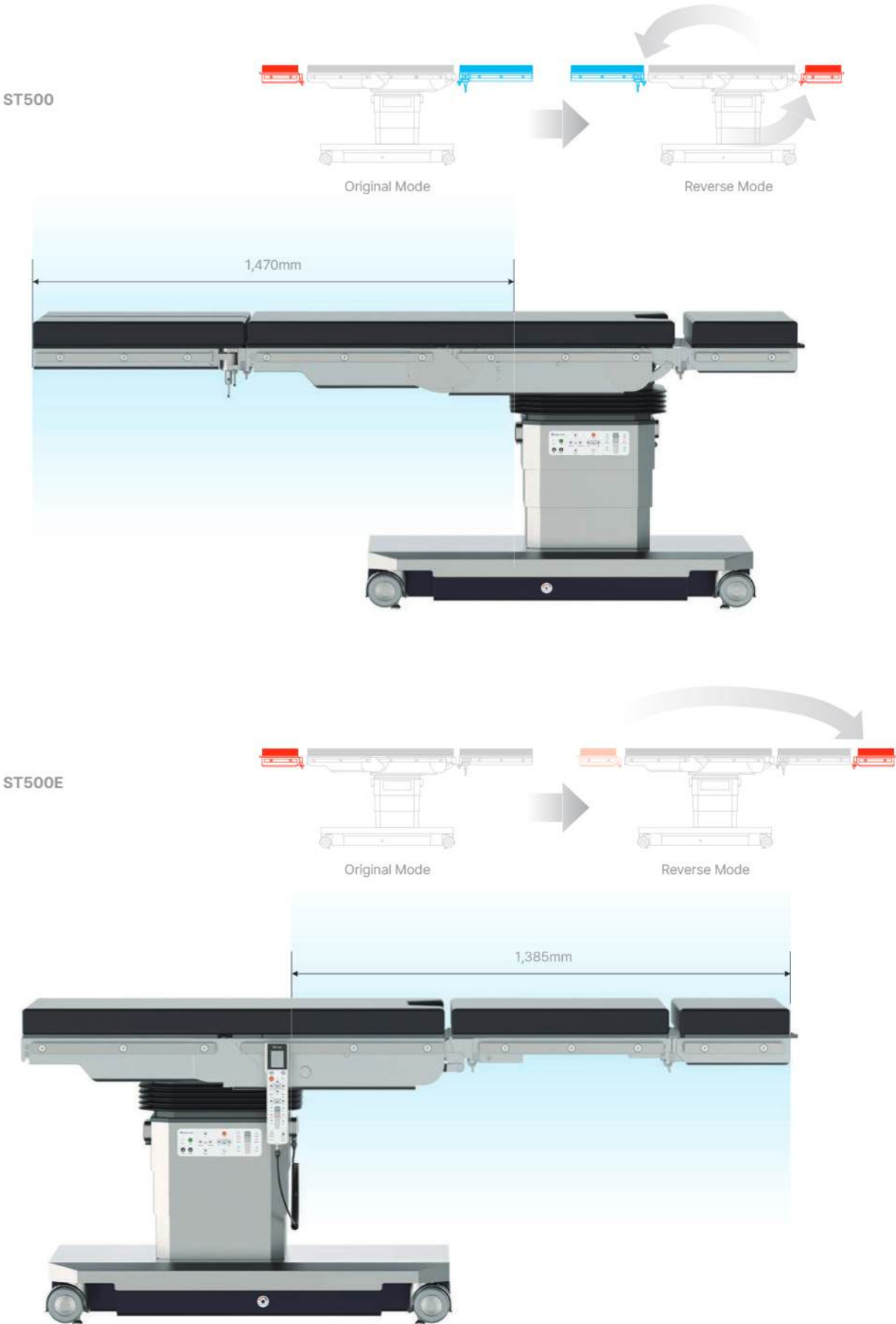
Efficiency of Usability

LUVIS ST500 Series and accessories are configured to provide an efficient platform for each procedure to suit the volume and variety of procedures to focus on the patient, streamlining the workflow and improving the efficiency of the operating room.



Reverse Mode

To secure a wide imaging area, it can be utilized by switching to reverse mode

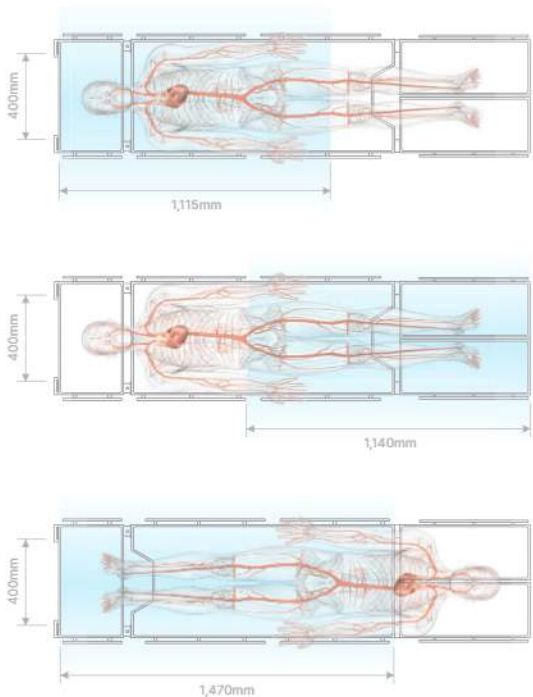


LUVIS ST500 Series Is Designed for Optimal C-arm Access

The combination of up to 460mm of longitudinal shift and reverse mode allows the patient to move to the desired position and the low base height and narrow column enable effective C-arm access. Additionally, the 400mm imaging area width is efficient for high-quality image acquisition



Effective C-arm Access



Imaging Area

Table Slide to Head (Normal Mode)	Imaging Length	Width	400mm
		Length	1,115mm
		Total imaging area 4,460sq. cm	
Table Slide to Foot (Normal Mode)	Imaging Length	Width	400mm
		Length	1,140mm
		Total imaging area 4,560sq. cm	
Table Slide to Foot (Reverse Mode)	Imaging Length	Width	400mm
		Length	1,470mm
		Total imaging area 5,880sq. cm	



Kidney Elevator (*option)

LUVIS ST500 Series offers an optional 11cm kidney elevator that can be used with the Flex function



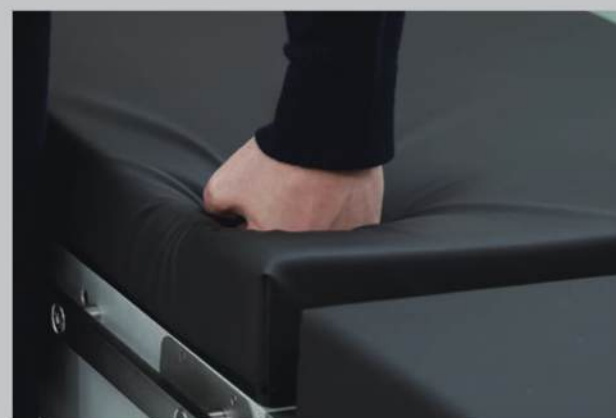
One Button Design

LUVIS ST500 Series allows users to efficiently handle the removal and attachment positions of accessories such as orthopedic traction frames in a short period of time



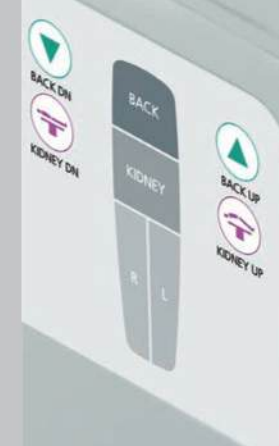
Gas Spring Headrest Adjustment

Easy angle manipulation with gas spring and high safety posture-maintenance functionality



Comfortable Sheet

The memory foam seat adjusts according to the user's body shape, ensuring an accurate and comfortable posture is maintained



Medical PU Leather
Memory Foam Layer (30mm)
High Density Layer (40mm)
Medical PU Leather





Remote Controller

Intelligent remote controller enables convenient adjustment of the operating table

- The LCD display provides information on basic table condition and potential table section interference with automatic limit sensor function and service diagnostics
- Instant access to smooth articulation, return-to-level, floor lock activation and patient positioning
- Anti-Collision software stops sectional collisions
- The intelligently designed buttons offers quick and confident identification of the frequently used functions
- Efficient remote controller designed for wired and wireless use
- Backlit screen for clear visibility in darkened rooms
- Pre-programmed positions: Fracture table and beach chair



Smart Remote Controller

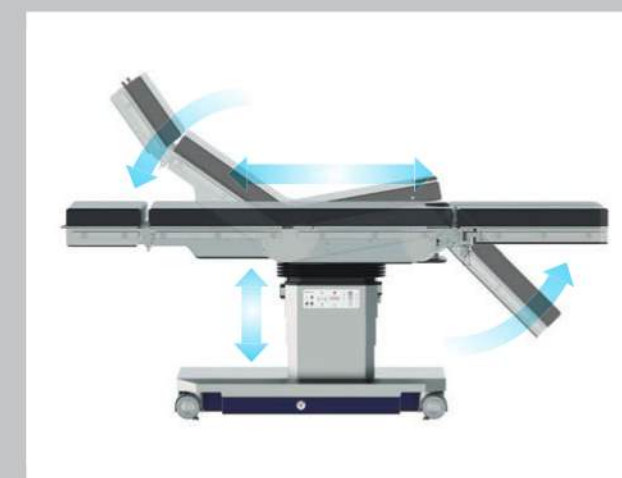
The smart remote controller makes it easy to position the patient. The ergonomic design and easy-to-read LCD display deliver instant table position data without lifting sterile drapes.

There is also an automatic Anti-Collision avoidance device to protect the table.



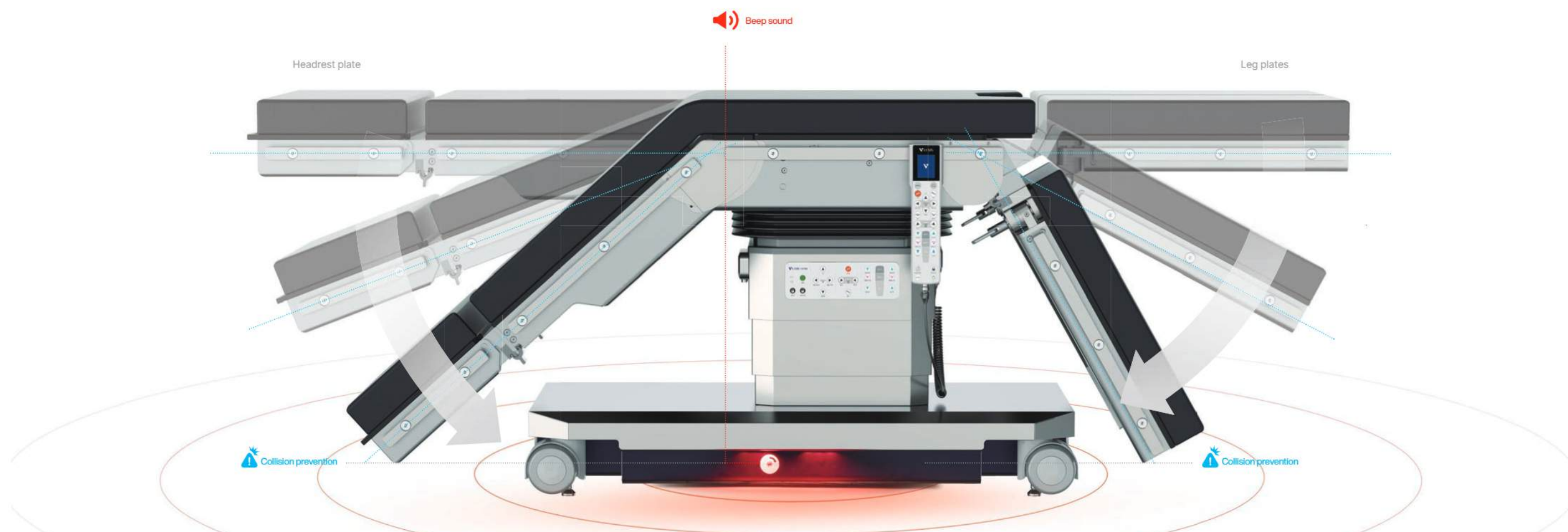
Wired-wireless Remote Controller

Available for both wired and wireless use according to user convenience



Return to LEVEL (zero position)

Provides a feature to reset the operating table to its initial settings after each surgery, tailored to accommodate all surgical procedures



Smart Anti-Collision

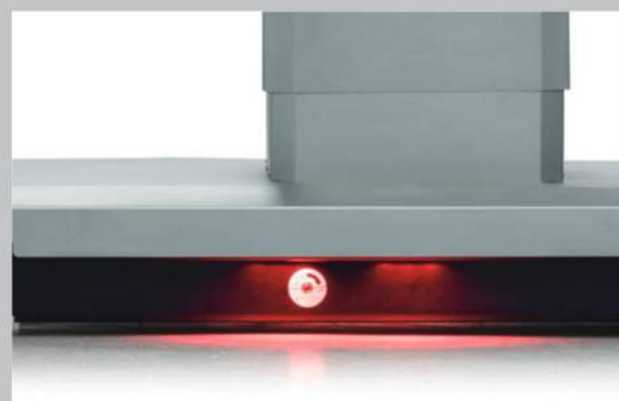
The intelligent collision prevention system utilizes a modular recognition system to monitor the positions of table elements, effectively preventing collisions.

This system also safeguards against leg plates colliding with solid objects when the table is covered with sterile surgical sheets.



Self-Locking

The self-locking system allows the headrest or leg plate to be attached safely and efficiently



LED Indication

Enhancing safety, the LED indicators on either side of the lower base visually signify collision prevention between table sections, even in concealed areas covered by sterilization sheets



Battery indicators (*option)

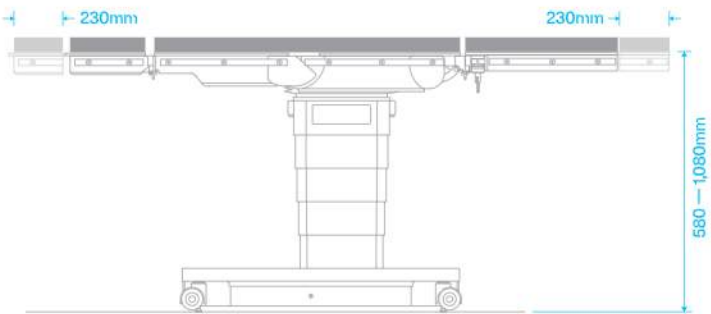
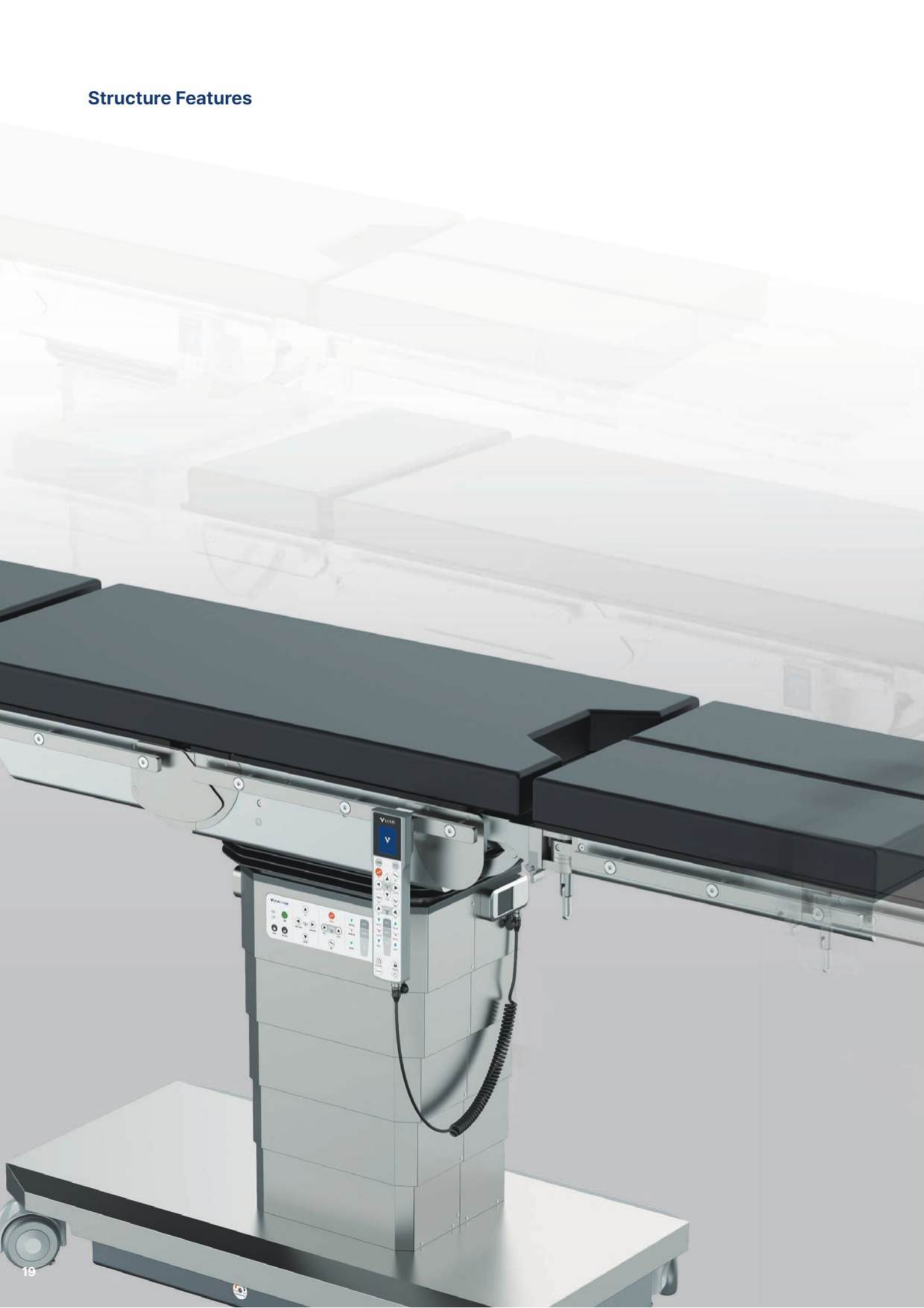
It is designed to allow real-time checking of the battery level



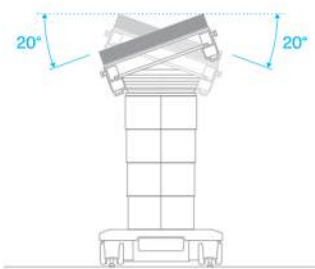
Self-leveling

Floor locking mechanism for stability even on uneven surfaces

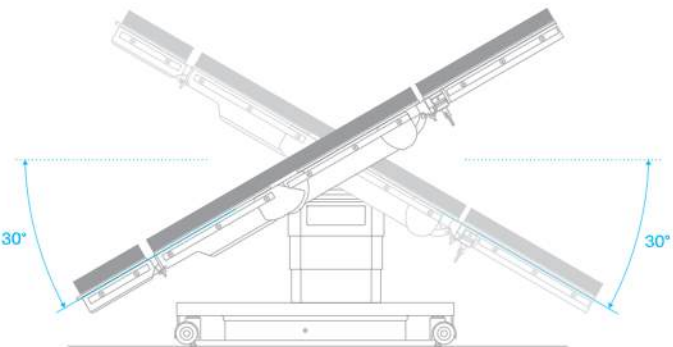
Structure Features



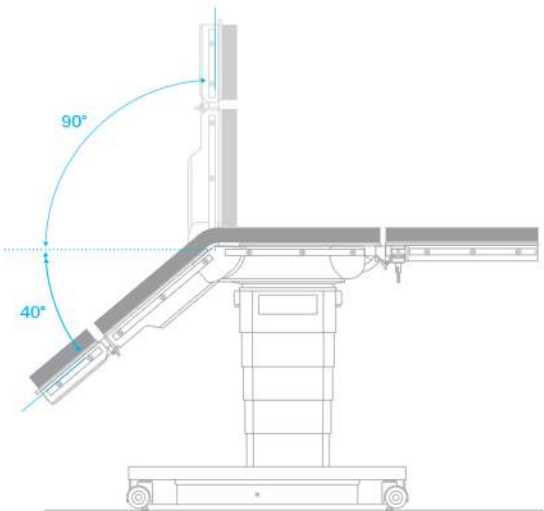
Longitudinal Slide



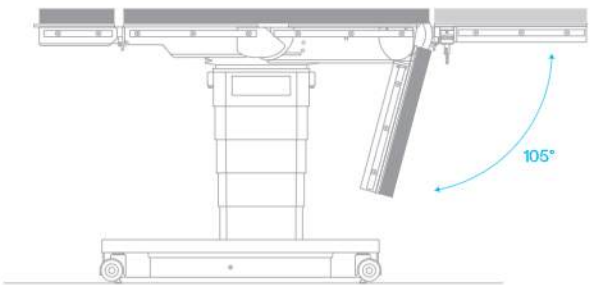
Tilt



Trendelenburg



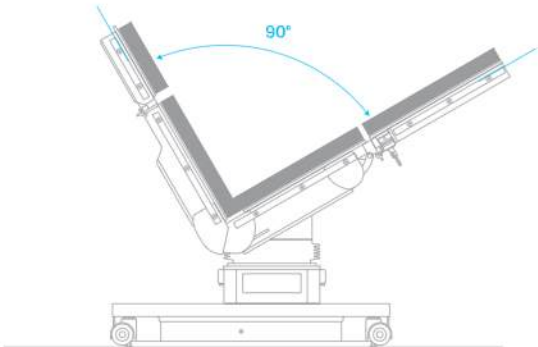
Back



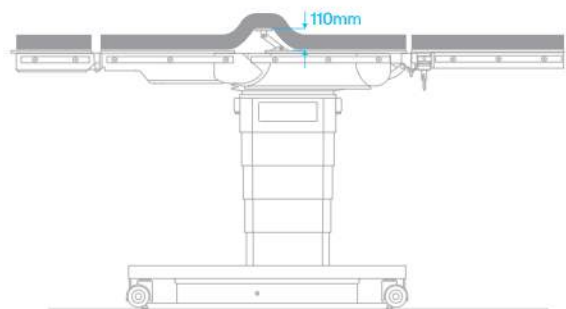
Leg (ST500E)
*ST500: 10°/-90° (manual)



Flex



Reflex



Kidney Elevator

Technical Specifications

Structure Features

- Can operate with internal power and external power
- 4 point self leveling floor locks ensure stable positioning of the table with fully mechanical emergency brake release
- Column casing and base cover made of stainless steel
- Supporting frames for the hip section and back section made of aluminum
- Leg section sockets, joint covers and side rails made of stainless steel
- Operating table top subdivided into 4 sections: head section, back section, hip section, leg sections
- Symmetrical accessory interfaces for normal and reverse positioning
- If the electronics or hydraulics fail, an integrated tool can manually unlock the brakes

Technical Data

Model		LUVIS ST500	LUVIS ST500E
Length of Surgical Tabletop (mm)		2,173	2,167
Width Without Side Rails (mm)		520	520
Width Across Side Rails (mm)		572	572
Weight (kg)		280	320
Integrated Battery (operating cycles)		50	50
Maximum Overall Load *patient and accessories (lb/kg)	Normal Orientation (Centered)	1,000/454	1,000/454
	Full Table Articulation & Slide	600/272	600/272
	Reverse Mode	350/159	350/159
Option	Kidney Elevator	Optional	Standard
	Battery	Optional	Standard

Note : Operating cycles may vary depending on usage conditions and battery status

Electrical Data

- Specially designed battery with the capacity for lasting the ten working days use in the operating room
- Electronic monitoring of the battery charging level with the indicator
- Batteries recharged from the main power supply of 50-60Hz with the power supply cord

Electrohydraulic adjustments via hand controller, remote controller and backup controller (override)

	LUVIS ST500	LUVIS ST500E
Height Without Padding (mm)	580-1,080	580-1,080
Trendelenburg / Reverse Trendelenburg (°)	30/30	30/30
Lateral Tilt (°)	20/-20	20/-20
Back Section (°)	90/-40	90/-40
Leg Section (°)	10/-90 (2plates) *manual	0/-105 (1plate)
Headrest (°) *manual	30/-90 45/-45	30/-90 45/-45
Longitudinal Slide (mm)	460	460
Kidney Elevator (mm)	110	110
Flex / Reflex (°)	140/90	140/90
Base Brake Mechanism *lock / unlock	Electric	Electric

Flexible to support the various surgical applications you perform



Orthopedic Surgery

Gynecology/Urology Surgery



Shoulder Surgery

Neuro Surgery



Spine Surgery

Kidney Surgery



LUVIS PRODUCTS

ACCES SORIES



Orthopedic Traction Frame
Stirrup Leg Holder
Spine Surgery Frame
Beach Chair
Spider Arm
Surgery Head Frame
Others

STANDARD TABLE ACCESSORIES



Waist Support (fixed)



Arm Board



Remote Controller

Orthopedic Traction Frame

Combinable Preventive Quick

Stirrups Leg Holder

Universal Protection Visual



Combined with C-arm and X-ray machine



Quick installation



Easy movement with accessory trolley



Preventing infection



Protection against pressure



Angle adjustment to suit surgical purpose



360° universal adjustable



Visual indicators for precise positioning



Extension rod/Short (°)	0/90	Extension rod/Long (°)	0/180
Retraction pole/Traction (mm)	200	Retraction pole/Lifting (mm)	400



Cantilever diameter (mm)	20	Material	304 Stainless Steel And Aluminum And ABS
Applicable patient weight (kg)	150-180	Leg boots front and rear adjustment range (mm)	330
Adjust the angle left and right (°)	-25/30	Adjust the angle up and down (°)	-45/90

Spine Surgery Frame

Comfortable Effective Convenient



Fast and convenient
locker operation



Matches all brands
of operating tables



Improving the effectiveness
of spinal surgery



Provide comfort to patients



Length (mm)	770	Height (mm)	290
Weight (kg)	10.45	Maximum overall load (kg)	250

Beach Chair

Flexible Suitable Convenient



Provides high flexibility



Convenient and quick
surgical environment



Suitable for shoulder and
beach surgery



Change the configuration according
to the purpose of the surgery



Size (mm)	520×580	Back angle (°)	-15/80
Headrest adjustment Range (mm)	0-320	Required operating table Width (mm)	500-600

Spider Arm

Effective Capable Easy



Robot arm for multi-function joints



Capable of overcoming high loads



High reliability and efficiency



Easy to use and maintain



Size (mm)	950×300×80	Load capacity (kg)	250
Rotation angle (°)	360	Joints	6

Surgery Head Frame

Flexible Precise Support



Provides excellent flexibility



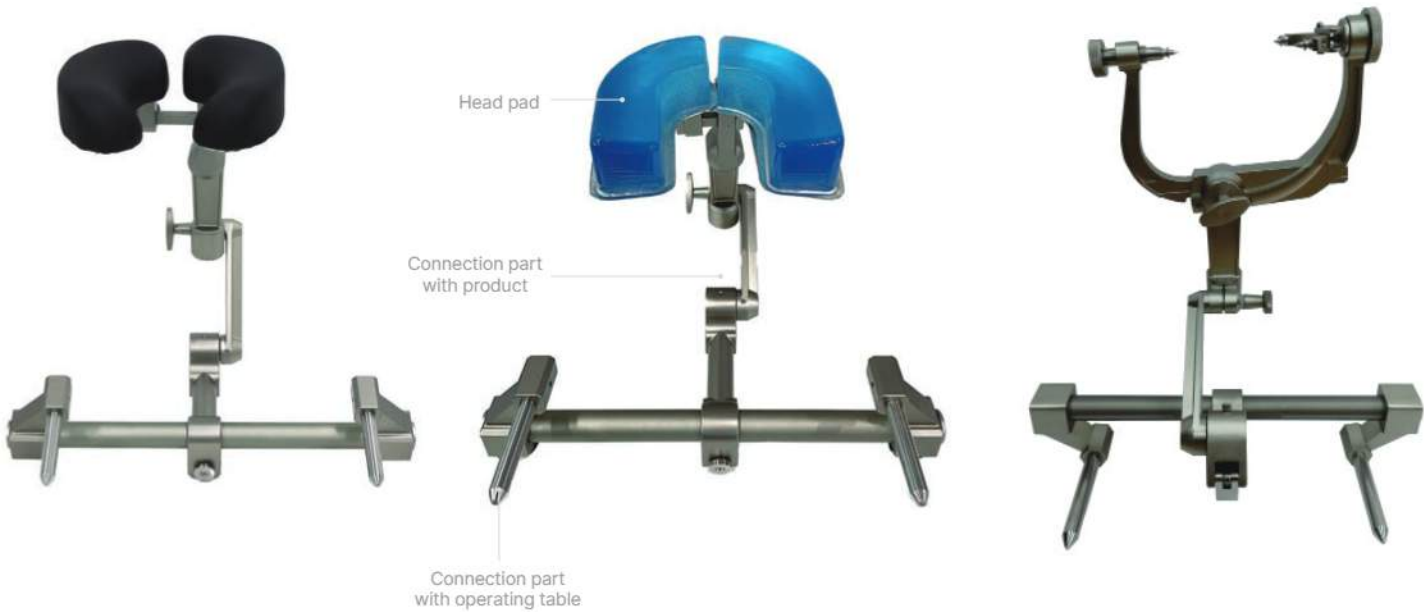
High support enables stable surgery



Precise movement can be implemented



Creates the optimal environment for nerve surgery



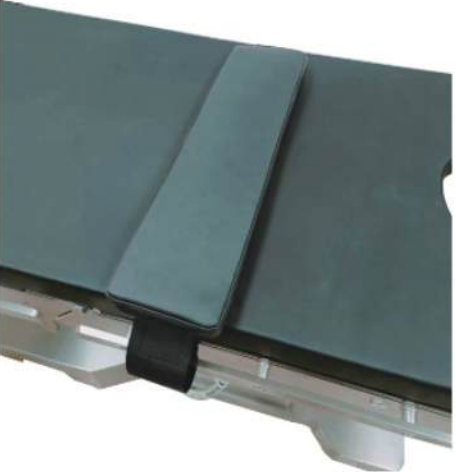
Application	Neurosurgery	Rod diameter (mm)	12-20
Inserting rods distance (mm)	220-480	Package	Carton

Other Accessories

Rotating Lateral Supporter	Leg Holder	Side Bracket
		

Square Clamp	Arm Strap	Leg Strap
		

Hand Surgery Arm Rest	Arm Table	Side Rail Clamp
		

Body Strap	Drain Tray	Screen Frame
		



We aspire to become a leading Medical Solution Brand by providing the best products and services,
pursuing the highest values for our customers, enabling humanity to lead healthy and happy lives