

ASOT-850

Electro-hydraulic Operating Table
Technical Specifications



Physical Specifications

Dimensions

Length	2080mm
Width (without rail)	520mm
Width (with rail)	590mm
Height	650mm
Weight	300kg
Safe Working Load	350kg

Components

Head plate, Back plate, Seat plate, Kidney bridge, Base, Leg plate, Column, Hand control panel, Rail

Head Plate

Length	380mm
Rail Length	380mm
Safe Working Load	25kg
Movement	Controlled by gas springs

Back Plate

Length	450mm
Rail Length	538mm
Safe Working Load	80kg

Kideny Bridge

Length	80mm
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Seat Plate

Length	518mm
Rail Length	500mm
Safe Working Load	195kg

Leg Plate

Length	570mm
Rail Length	505mm
Safe Working Load	25kg (each one)
Movement	Controlled by gas springs

Rail

Width	25mm
Thickness	10mm

Castor

Number	3 * Dual
Diameter	100mm/125mm

Brake

Type	Panel Control , security auto-lock
Number	4

Physical Specifications

Adjustment	
Trendelenburg/Reverse	30°/30°
Lateral Tilt (left/right)	20°/20°
Head Plate Up/Down (detachable)	30°/45°
Back Plate Up/Down	80°/45°
Leg Plate Up/Down (detachable)	20°/90°
Leg Plate Split (detachable)	180°
Flex/Reflex	225°/100°
Kidney-bridge Elevator UP	128mm
Longitudinal Shifting	300mm(optional)
Height	650-1000mm
Exchangeable head and leg plates	YES

Materials	
Table Frame	SUS304 Stainless Steel
Cover	SUS304 Stainless Steel
Accessory Rail	SUS304 Stainless Steel
Column	SUS304 Stainless Steel
Table Top	MDF, X-ray radiolucent
Mattress	Memory foam Thickness: 60mm

Accessories Specifications

Anesthesia Screen	
Height	570±10mm
Width	620±10mm
Insert Rod Diameter	Φ15±0.5mm

Round Hole Clamp	
Height	58±3mm
Width	60±3mm
Thickness (Lock state)	116±5mm

Body Strap	
Length (Fully bonded)	955±25mm
Width	108±10mm

Arm Rest	
Length	520±10mm
Width	170±10mm

Knee crutch	
Length	345±10mm
Width	230±10mm
Insert Rod Diameter	Φ15±0.2mm

Electrical Specifications

Power

Internally Powered 24V DC/13Ah

Line Voltage ~100-230 V

Frequency 50/60 Hz

Power Rating 200VA

Fuses RF1-20/F2AL250V (For mains supply 2 pieces), ATO-15A (For internal battery supply)

Internal Battery

Type Lead-acid battery

Number 2 in serial

Input DC 12V/13 Ah

Typical Charge Time 8 hours

Operating Mode Continuous operation with interval loading, loaded running time / interval time: 4 min/4 min

Main Power Cable

Rating Voltage AC90-264V

Current Capacity 10A /AC220-240V

Type three-core cable (must be medical class)

Cable (Warning for EMC)

AC Power Line Max.2.8m, Unshielded, 1 Set

Signal Line(from bed to remote control) Max.3.0m, shielded, 1 Set

Equipotential Cable Max.3.0m, Unshielded, 1 Set

Electromagnetic Compatibility

Immunity Complies with all requirements of EN 60601-1

RF Emissions CISPER 11 group 1class

Table Movement Control Units

Corded Hand Control " On, Off " status Indicator (green)

Mains indicator (green)

Battery fully charged indicator (Green)

Battery less charged indicator (Red)

17 functional buttons

Override Panel

The indicators on the override panel and functional buttons are identical to that on the corded hand control in the meaning of expression.

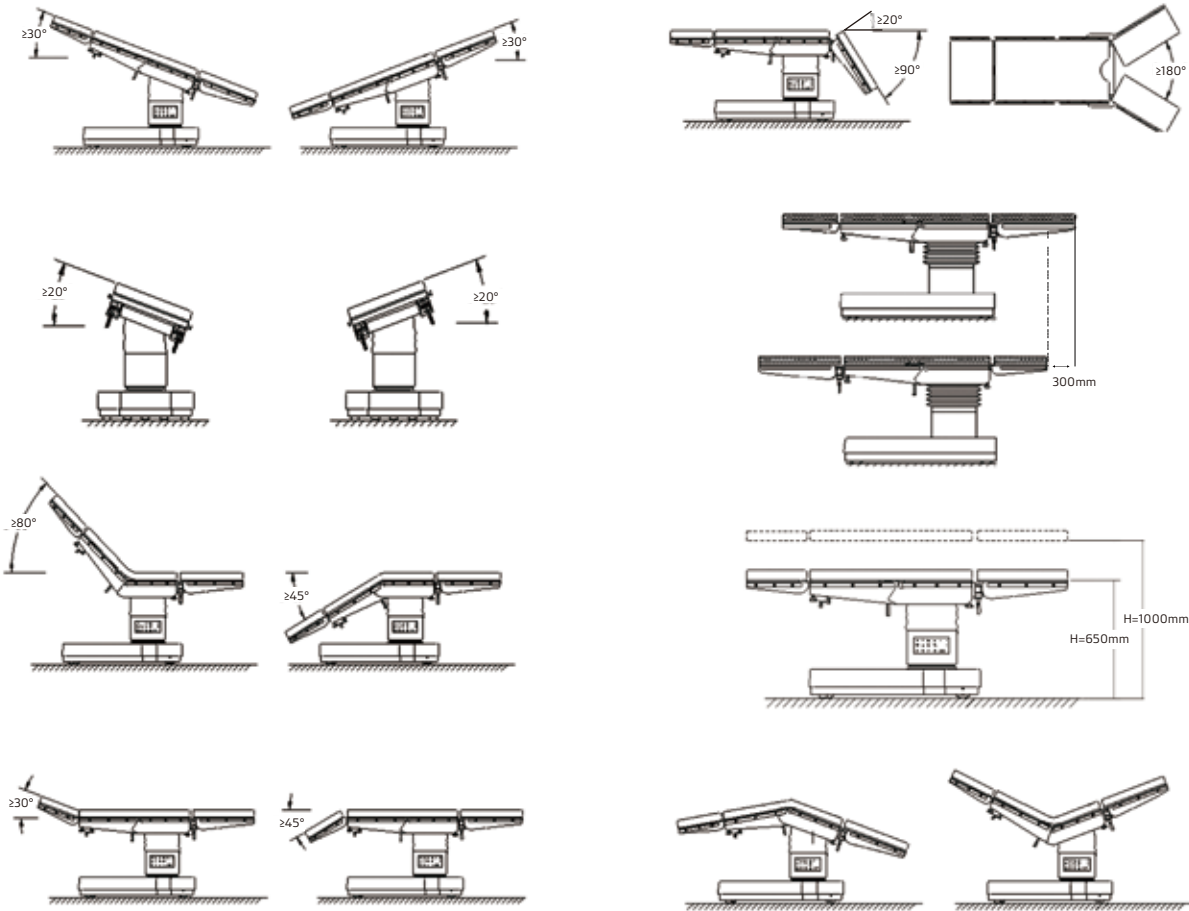
Environmental specifications

Working Environment

Temperature	5°C ~ 40°C
Relative Humidity	≤80%
Atmospheric Pressure	860hPa ~ 1060hPa

Storage/Transportation Environment

Temperature	-40°C ~ 55°C
Relative Humidity	≤95%
Atmospheric Pressure	500hPa ~ 1060hPa



Technical Specifications

Model	ASOT-850
Table Length (mm)	2080
Table Width (w/o side rails, mm)	520
Table Height (w/o pads, mm)	650 - 1000
Trendelenburg/Reverse	30°/30°
Lateral Tilt (left/right)	20°/20°
Back Plate Up/Down	80°/45°
Head Plate Up/Down (detachable)	30°/45°
Leg Plate Up/Down (detachable)	20°/90°
Leg Plate Split (detachable)	180°
Flex/Reflex	225° / 110°
Kidney-bridge Up (mm)	128
Longitudinal Shift (mm)	300 (Optional)
Weight Capacity (kg)	350
Exchangeable Head and Leg Plates	Yes
One Key Reset	Yes

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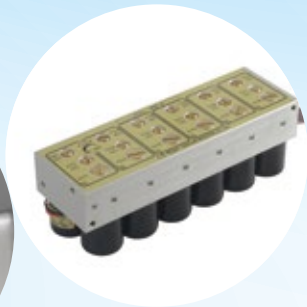
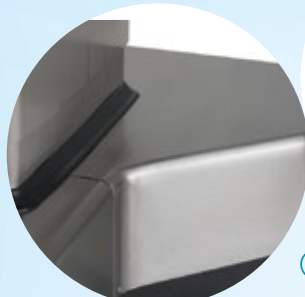


ASOT-850
Operating Table





An excellent electro-hydraulic operating table that can support up to 350 kg of weight and has multiple surgical configurations to accommodate various surgical needs.



① Premium Quality Material

- All exposed parts are made of Hi-Q 304-stainless steel
- High corrosion resistance, easy to clean and disinfection



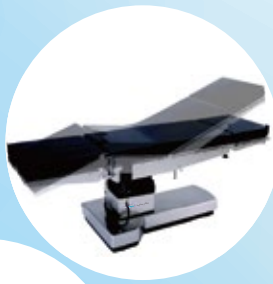
② Built-in Elevator Kidney-bridge

- Built-in X-ray radiolucent kidney-bridge supports kidney and gall bladder surgeries efficiently



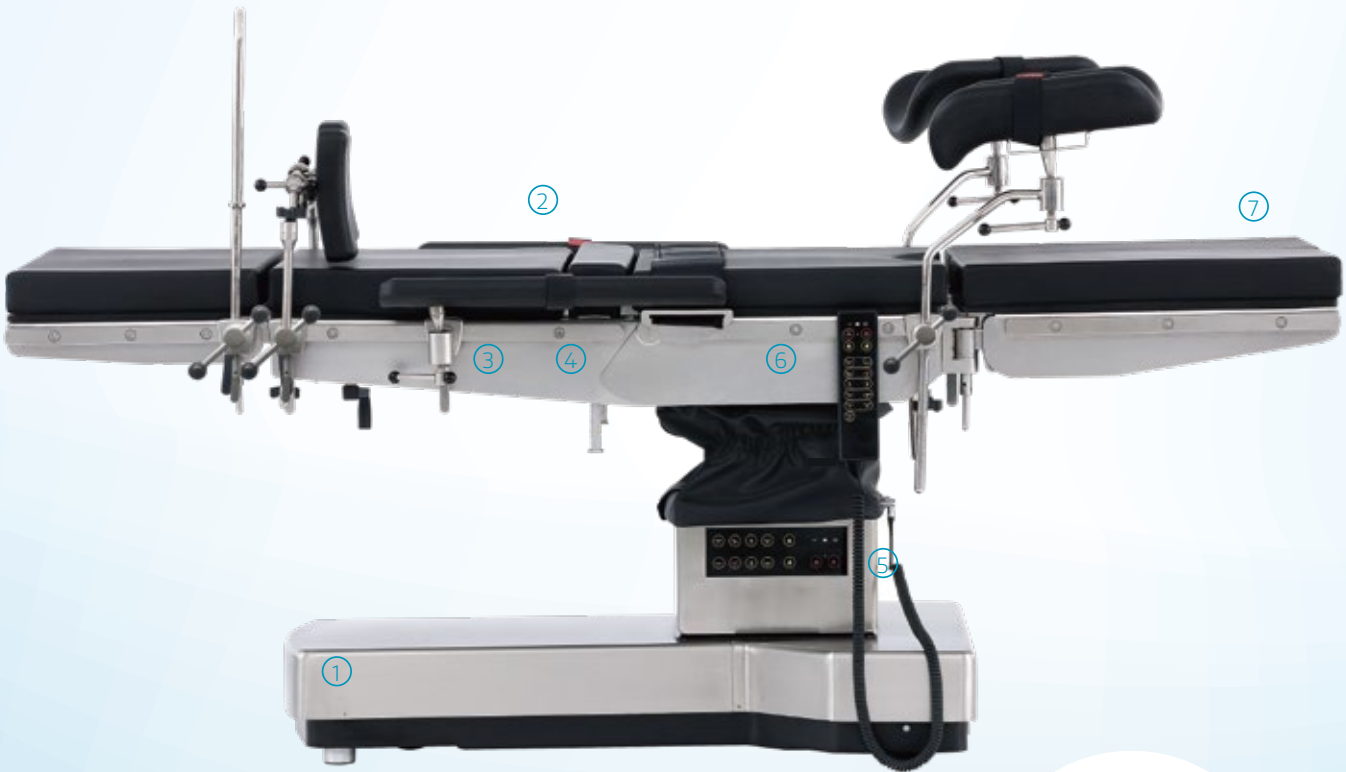
③ Perfect X-Ray Imaging

- Head and leg plates with excellent radiolucent guarantee high quality X-ray imaging
- Exchangeable head & leg sections
- Maximum 300 mm longitudinal shifting function (optional)



④ Surgical Configuration

- One-key reset function
- Flex and reflex function
- Flexible patient positionings with optional accessories are suitable for a wide variety of surgeries



⑤ Ergonomic Adjustment

- Convenient leg plate and head plate positionings ensure one-hand control operation
- Imported gas springs guarantee smooth movement and accurate positioning
- Wide range of table height adjustment and T-shape base provide comfortable working environment



⑥ Safety

- Auto-lock system: table base will be locked automatically once the position was adjusted by controller, preventing possible misoperation
- Two control systems: remote hand controller and column control panel work independently, if one is broken, another still work as normal
- Intelligent safety system: Control panel will power off automatically when there is no operation over 1 minute, avoiding any possible misoperation



⑦ Pads

- High density memory foam with soft texture can effectively reduce the occurrence of bedsores