

# ASOT-350

Electro-hydraulic operating table  
Technical Specifications



## Physical Specifications

### Dimensions

Length	2040mm
Width ( without rail )	520mm
Width ( with rail )	590mm
Height	495mm
Weight	300kg
Safe Working Load	350kg

### Components

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

### Head Plate

Length	248mm
Rail Length	260mm
Safe Working Load	25kg
Movement	Controlled by gas springs

### Back Plate

Length	390mm
Rail Length	480mm
Safe Working Load	80kg

### Kideny Bridge

Length	100mm
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### Seat Plate

Length	535mm
Rail Length	480mm
Safe Working Load	195kg

### Leg Plate

Length	600mm
Rail Length	500mm
Safe Working Load	25kg(each one)
Movement	Controlled by gas springs

### Rail

Width	25mm
Thickness	10mm

### Castor

Number	4
Diameter	75mm

### Brake

Type	Panel Control , security auto-lock
Number	4

## Physical Specifications

Adjustment		Materials	
Trendelenburg/Reverse	30°/30°	Table Frame	SUS304 Stainless Steel
Lateral Tilt (left/right)	25°/25°	Cover	SUS304 Stainless Steel
Head Plate Up/Down (detachable)	60°/90°	Accessory Rail	SUS304 Stainless Steel
Back Plate Up/Down	85°/45°	Column	SUS304 Stainless Steel
Leg Plate Up/Down (detachable)	20°/90°	Table Top	MDF, X-ray radiolucent
Leg Plate Split (detachable)	180°	Mattress	Memory foam Thickness: 75mm
Flex/Reflex	225°/95°		
Kidney-bridge Elevator UP	130mm		
Longitudinal Shifting	355mm		
Height	495-1000mm		
Exchangeable head and leg plates	YES		

## Accessories Specifications

Anesthesia Screen		Round Hole Clamp	
Height	570±10mm	Height	58±3mm
Width	620±10mm	Width	60±3mm
Insert Rod Diameter	Φ15±0.5mm	Thickness (Lock state)	116±5mm
Body Strap		Arm Rest	
Length (Fully bonded)	955±25mm	Length	520±10mm
Width	108±10mm	Width	170±10mm
Knee crutch			
Length	345±10mm		
Width	230±10mm		
Insert Rod Diameter	Φ15±0.2mm		

## Electrical Specifications

### Power

Internally Powered	24V/13Ah
Line Voltage	~100-240 V
Frequency	50/60 Hz
Power Rating	200VA
Fuses	T2AH250V (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

### 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.

### 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

## Environmental specifications

### Working Environment

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

### Storage/Transportation Environment

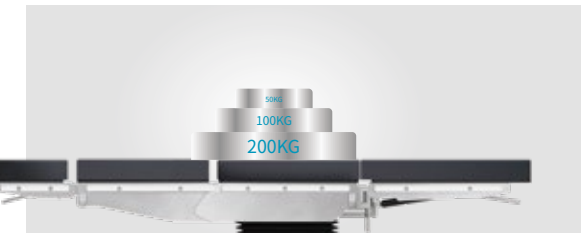
Temperature	-40°C ~ 55°C
Relative Humidity	≤95%
Atmospheric Pressure	500hPa ~ 1060hPa





High-quality material

The superior impact and corrosion resistance of Hi-Q stainless steel material is complemented by its ease of washing and disinfection both prior to and following operation.



350 kg Safe weight

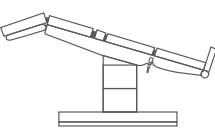
With exceptionally high stability, the OP350 can safely support loads up to 350 kg. By utilizing liquid pressure intelligent speed control technology, ensure the stability of important indicators like heart rate and blood flow distribution. It can also intelligently adjust the speed according to the actual disease load during the process of upgrading and changing the body position.



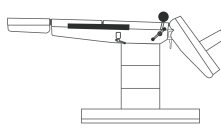
4 sets of hydraulic support system

The operating table's overall low center of gravity and four sets of hydraulic supports made especially for the OP350 increase its durability and safety.

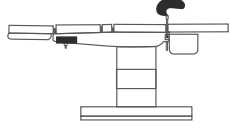
To make it easier to move the operating table, each set of support devices has strong anti-static wheels. When the brakes are released, any key is immediately locked in its present position.



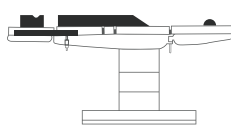
Supine position



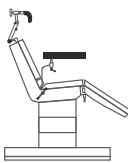
Jackknife position



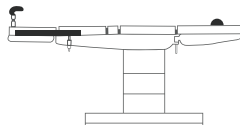
Lithotomy position



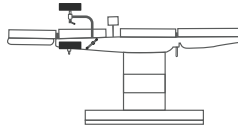
Prone position



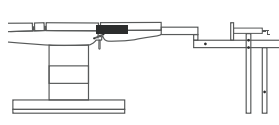
Beach chair position



Prone position



Lateral position



Orthopedic surgery

Technical Specifications	
Model	ASOT-350
Table Width (w/o side rails, mm)	520
Table Height (w/o pads, mm)	495 - 1000
Trendelenburg/Reverse	30°/30°
Lateral Tilt (left/right)	25°/25°
BackPlace Up/Down	85°/45°
Head Plate Up/Down (detachable)	60°/90°
Leg Plate Up/Down (detachable)	20°/90°
Leg Plate Split(detachable)	180°
Flex/Reflex	225° / 95°
Kidney-bridge Elevator Up (mm)	130 (Optional)
Longitudinal Shift (mm)	355
WeightCapacity (kg)	350

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ASOT-350  
Electro-hydraulic operating table





### Intelligent anti-collision system

When meeting the technical requirements for specialist surgery, the angle parameter of a single motion must be expanded to the greatest extent feasible. When the OP350 is moving mechanically, a clever software system for 3D modeling identifies angle data in real time and prevents collisions.



### Various control methods

ICONS on the control panel are simple to use and comprehend. The safe operation of the operating table is guaranteed by two operating panels: the hand and the column. Position adjustment is made easier by the one-button reset feature.



### LCD screen remote control (Optional)

Visual operating table information. Custom position storage allows quick deployment of different types of positions for faster surgical preparation

## OP350 Low position operating table

An ultra-low body position of 495mm and a wide range of lifting stroke of 505mm are just two of the many advantages of an innovatively designed electro-hydraulic operating table that can meet the application of multiple clinical scenarios, especially the low body position requirements of neurosurgery and MIS.



### 495mm ultra low position

For specialties like neurosurgery, ophthalmology, ENT, and MIS, among others, low body posture is essential. The 495mm ultra-low tabletop height may accommodate the needs of seated procedures while improving patient comfort and surgical workflow. A 505mm lifting stroke with a large range creates the ideal workspace to accommodate various surgical positions' height requirements, particularly in orthopedic surgery.



### Full perspective space

A greater operating space for the C-arm machine may be made available without moving the patient thanks to the superb combination of the head-leg plate exchange function and the longitudinal sliding of the table top, which together create an intraoperative imaging range of more than 1400mm. With the use of sprocket technology, the integrated kidney bridge can accomplish indirect transmission, ensuring an unhindered viewing angle over the entire table and advancing high-quality X-ray imaging.



### More comfort experience

A multi-layer memory sponge mattress with an anti-static 75mm layer provides patients with comfort and breathability.

