MAQUET

ALPHAMAXX
MOBILE, UNIVERSAL OPERATING TABLE

SURGICAL WORKPLACES


THK 10

FULFILLS EVERY NEED
THE ALPHAMAXX MULTI-FUNCTIONAL OPERATING TABLE
MAQUET – THE GOLD STANDARD

Development work in dialogue with physicians and surgeons: this is one of the principles which has made MAQUET the world's market leader in operating tables. Close co-operation and decades of know-how make for products optimized to meet the needs of practice. They facilitate work in the operating room and help to enhance patient safety and comfort.

The best example: the ALPHAMAXX. It can withstand extreme loads in every configuration, can be matched to patient stature thanks to its modular concept, and can be set up for every surgical discipline in just a few easy steps. In its latest version the ALPHAMAXX is more versatile than ever before.

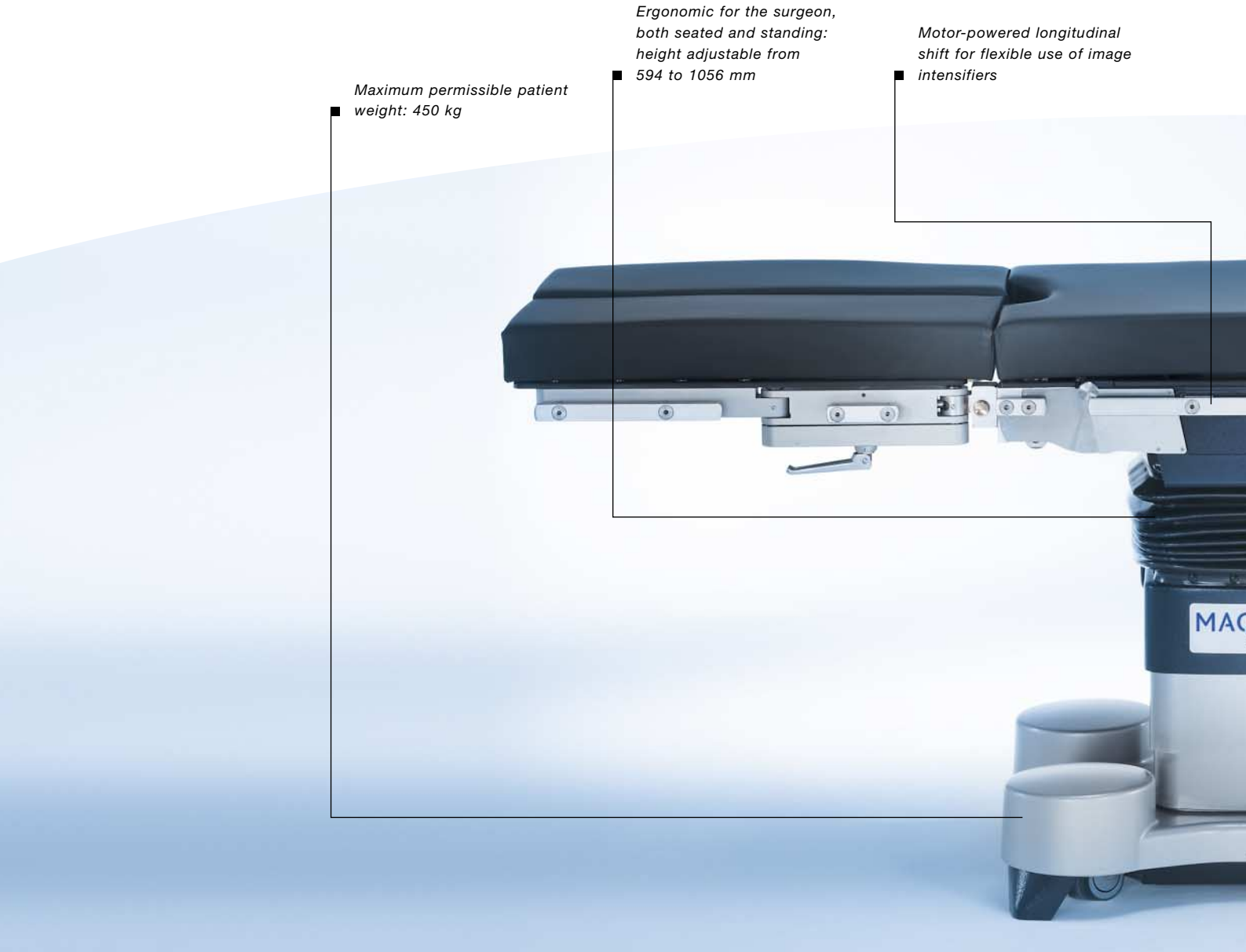
MAQUET – The Gold Standard.

EXTREME LOAD-BEARING CAPACITIES, ADAPTABLE AND MOBILE
THE IDEAL CHOICE FOR EVERY PATIENT POSITION

A true jack of all trades. Its unique adaptability makes the ALPHAMAXX the operating table of choice for every surgical discipline. The design and modular concept comply with every demand: wide height adjustment range, longitudinal shift, lateral tilt and special patient positions. A multitude of motor-driven functions and user-programmable table top settings provide additional relief for the surgical staff.

Engineered to handle patients weighing a maximum of 450 kg, these units are now even higher in performance. The demand for heavy-duty operating tables is growing all around the world. The ALPHAMAXX by MAQUET offers unparalleled safety and stability while the new mounting point permits quick use of a broad range of socket-mounted modules.

The padding is 80 mm thick throughout. This detail also provides greater comfort for the patient.



Mounting point without adaptor, for socket-mounted modules

Mounting point with the joint adaptor in place

Extra thick (80 mm) and proven many times over: SFC padding with multi-layer design offers patients significantly greater comfort, particularly when they are awake.

Expanded modularity: new mounting point for socket-mounted modules

Modular concept for ideal adaptation to the widest variety of surgical tasks

PATIENT POSITIONING IN LINE WITH ANATOMICAL NEEDS
EXAMPLE: GYNAECOLOGY

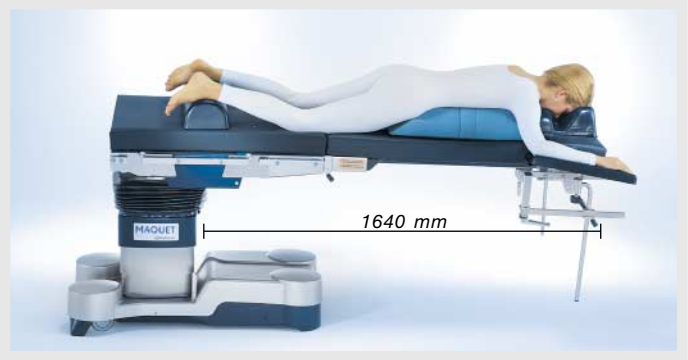
The gas-strut assisted direct placement stirrups may be positioned individually.
It is possible to mount any of a variety of knee crutches/leg holders or leg plates at the mounting points as required.
Thus ALPHAMAXX permits ergonomically correct patient positioning and superb convenience in use.

FLEXIBLE IMAGE INTENSIFIER USE
EXAMPLE: UROLOGY

The seat plate extension is employed for urology interventions

The image intensifier can be utilized across the entire urogenital tract.

LONGITUDINAL SHIFT FOR UNRESTRICTED IMAGE INTENSIFIER ACCESS
EXAMPLE: ORTHOPAEDICS



The carbon-fibre module, used for spinal surgery in the prone position, for example, permits unrestricted image intensifier access for examinations through 360°.

Example of lateral positioning for operations on the hips and pelvis

GREAT MODULARITY FOR CHANGING REQUIREMENTS
EXAMPLE: TRAUMATOLOGY

ALPHAMAXX can be prepared for use by any surgical discipline with just a few easy steps. Motor-driven longitudinal shift and the use of carbon-fibre modules ensure unhindered image intensifier use through 360°.

The extension device allows stable positioning of injured lower extremities while applying longitudinal traction.

UNIVERSAL IN ITS APPLICATIONS
PERFECT ADAPTATION TO EVERY SURGICAL SITUATION

Struma: The modular table top in combination with the gas-strut assisted, tiltable head plate, makes for stress-free positioning of the cervical spine – regardless of the patient's height.

Rectal position on the specially designed positioning device, for ideal surgical access

DETAILED DESIGN FOR COMFORT & CONVENIENCE
FOR BOTH PATIENTS AND PERSONNEL

Ophthalmology: The patient's head is perfectly supported by the motorized head plate adjusting unit. The ALPHAMAXX can be lowered to 594 mm and generous legroom facilitates fatigue-free work while seated.

Neurosurgery: In addition to the prone and supine positions, it is possible to use special accessories and devices to put the patient in a seated position for complete access during cranial surgery.

MULTIFUNCTIONAL DOWN TO THE LAST DETAIL
ACCESSORIES AND LEG PLATES

Adaptable: The modular design of the table top is the basis for the wealth of options and adaptation to specific disciplines and patient statures. The new mounting point facilitates, with the "Easy Click" function, quick changing of socket-mounted modules for the upper back plate, without time-consuming tightening of screws. New joint adaptors expand table top modularity.

Safety-oriented: the electro-hydraulic drives for the leg plates can be adjusted individually or synchronously. Automatic component recognition at the leg-plate mounting point increases safety in use. The integral electronics monitor the adjustment ranges in order to avoid collisions, taking account of the table top configuration and positioning.

The new joint adaptor with claw-type mounting point for versatile use

Insert joint adaptor ...

... and rotate through 90°.

Identical mounting point geometry makes for more flexibility in patient positioning. The leg and back plates can be interchanged for reversed positioning.

The “Easy Click” feature eliminates the need to tighten down screws when changing modules and thus saves time. The leg and back plates can be adjusted with electrical motor power.

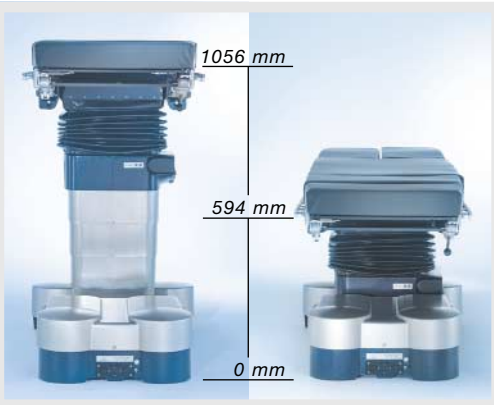
MOBILE AND EASY TO USE
AUTODRIVE IN THE BASE AND OPERATING CONTROLS

A true trend-setter: Even with heavier loads the ALPHAMAXX can effortlessly be brought into any desired position. Four hydraulic tandem castors carefully raise the operating table while an optional electric autodrive in the base with gentle start and safety braking function provides additional convenience. Height adjustment from 594 to 1056 mm helps relieve tension during surgical work.

User-friendly: All the table top and operating table column functions can be controlled from the wall control panel; an infrared interface handles data exchange. The colour display can be used to store individual operating table positions, which can then be called up again whenever desired. Status reports, user prompts and error messages are shown in the display.

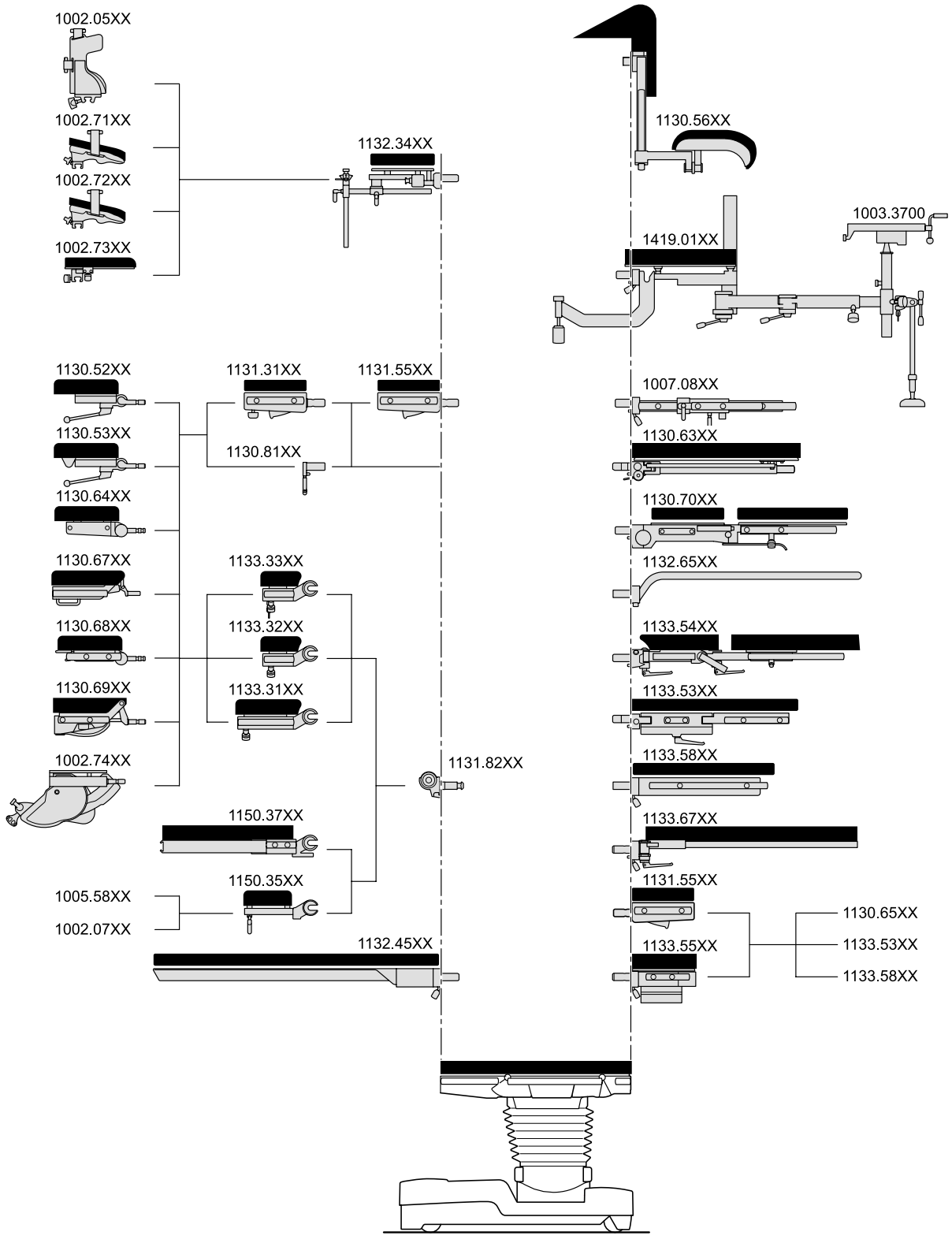
All the major operating table functions (such as flex, reflex, beach chair, 0-position or base braking) can be initiated with the corded hand control, IR remote control or foot switch. Foot switches in a variety of configurations are available to initiate changes in table top position within the sterile area during the course of an operation.

The charging station for the IR remote control is integrated into the wall control panel.



Maximum and minimum heights for the ALPHAMAXX, for ease of use, both seated and standing

ALPHAMAXX 1133.12
ACCESSORIES

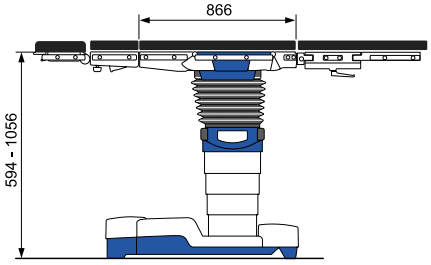


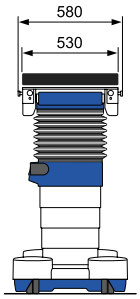
TECHNICAL SPECIFICATIONS
AND DESIGN FEATURES

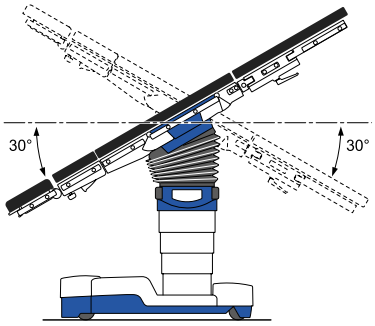
Adjustment options via corded hand control, IR hand control or wall control panel	
Height without padding	594 – 1056 mm
Trendelenburg / reverse Trendelenburg	+30°/-30°
Lateral tilt	20°
Lower back plate	+80°/-40°
Leg plates (adjustable individually or simultaneously)	+10°/-90°
Longitudinal shift	230 mm
Flex / Reflex / Beach chair	
0-position (horizontal alignment of the table top)	
Base braking (lock / unlock)	

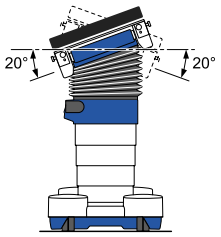
Technical information	
Max. patient weight	450 kg
Operating table weight	312 kg
Complies with CE regulations as per Medical Device Directive 93/42 EEC	

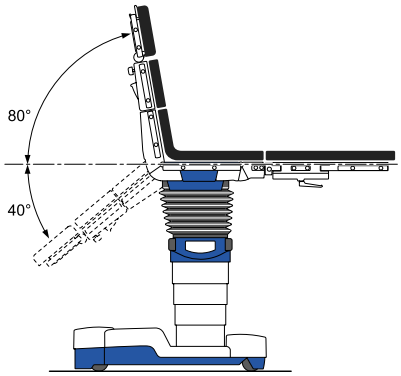
Manual adjustments	
1133 back plates with joint adaptor	+90°/-45°
Standard head plate	+45°/-45°

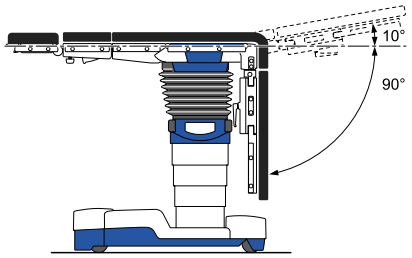


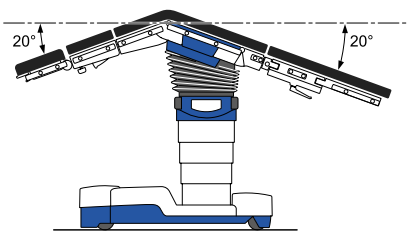


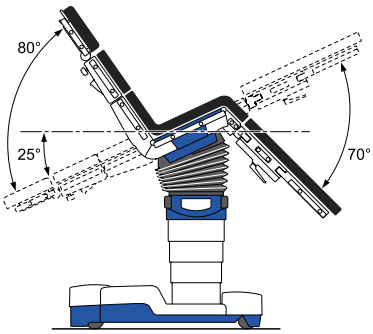












GENERAL ENGINEERING FEATURES:

- Rechargeable battery and mains operation (see electrical specifications)
- Stable base design with four tandem castors for easy movement and manoeuvring (immobilization via control unit)
- Base cladding and cover for the override control panel made of high-impact, GFR composite plastic, resistant to fracturing and disinfectants; coloured in the base shade and coated with an additional scratch-resistant enamel.
- Column casing made of stainless steel.
- Supporting bars for the seat section made of cast aluminium with disinfectant- and scratch-resistant enamel finish.
- Back section supporting bars, leg plate sockets, joint covers and side rails made of stainless steel.

FEATURES OF THE TABLE TOP:

- Operating table top subdivided into 6 sections: head rest (optional), upper back plate (optional), lower back plate, seat plate, leg plates (optional).
- The entire table top is designed without crossbars so as to allow for fluoroscopy during surgical interventions.
- Guide rails permit insertion of X-ray film cassettes from the head end.
- SFC padding, 80 mm thick.

ELECTRICAL SPECIFICATIONS:

- Specially designed, rechargeable batteries with capacity for at least one week of OR use (approx. 50 operations).
- The battery level is monitored electronically and indicated optically and acoustically.
- The batteries are recharged from the mains supply, 100 – 240 V AC (selector switch), 50 – 60 Hz, via power supply flex.
- Safety Class II, Type B; enclosure leakage current meets the requirements of the patient leakage current for CF conditions as per EN 60601-1.

VARIANTS AND TABLE TOP PADDING:

1133.12X1	ALPHAMAXX, mobile operating table for general surgical use, in a modular design; hydraulic drive under electrical control; without command module; with 80 mm SFC padding, radiotranslucent and electrically conductive, for use in areas subject to explosion hazard (AP-M).
1133.12X3	See above (1133.12X1), but with electric autodrive in the base.

REQUIRED ACCESSORIES:

1133.90XX	Corded hand control
1130.53XX	Dual-joint head rest with slope adjustment, with cassette insertion rails, incl. SFC padding
1131.31XX	Extension plate
1133.53XX	Pair of leg plates, with dual-joint abduction, incl. SFC padding

TABLE CONTROL UNITS:

1133.91A0	IR hand control with charging station
1009.81D0	Foot switch for height, Trendelenburg/reverse Trendelenburg, back
1009.81D1	Foot switch for height, Trendelenburg/reverse Trendelenburg, lateral tilt
1009.81D2	Foot switch for height, Trendelenburg/reverse Trendelenburg, leg plates
1009.81D3	Foot switch for height, Trendelenburg/reverse Trendelenburg, longitudinal shift
1150.95B0	Wall control panel with LCD display. Memory capacity for 10 user-programmable table top positions.

OPTIONAL ACCESSORIES:

Head rests:	
1130.81XX	Head plate adaptor
1130.67XX	Head plate with gas-strut adjustment; incl. SFC padding

Back plates:	
1132.34XX	Back plate for shoulder operations, incl. SFC padding
1131.82XX	Joint adaptor, pair, for type 1133 or 1150 modules
1133.32XX	Back plate, short, for general surgery, incl. SFC padding
1133.33XX	Back plate, short, for neurosurgery, incl. SFC padding

Leg plates:	
1133.58XX	Single-section leg plate, incl. SFC padding
1133.54XX	Pair of leg plates, 4-section, incl. SFC padding
1133.67XX	Pair of leg plates, carbon-fibre, incl. SFC padding
1131.55XX	Seat plate extension, incl. SFC padding
1132.65XX	Transfer board, max. loading 40 kg, without accessory rails
1419.01HC	Extension device for ALPHAMAXX operating table

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