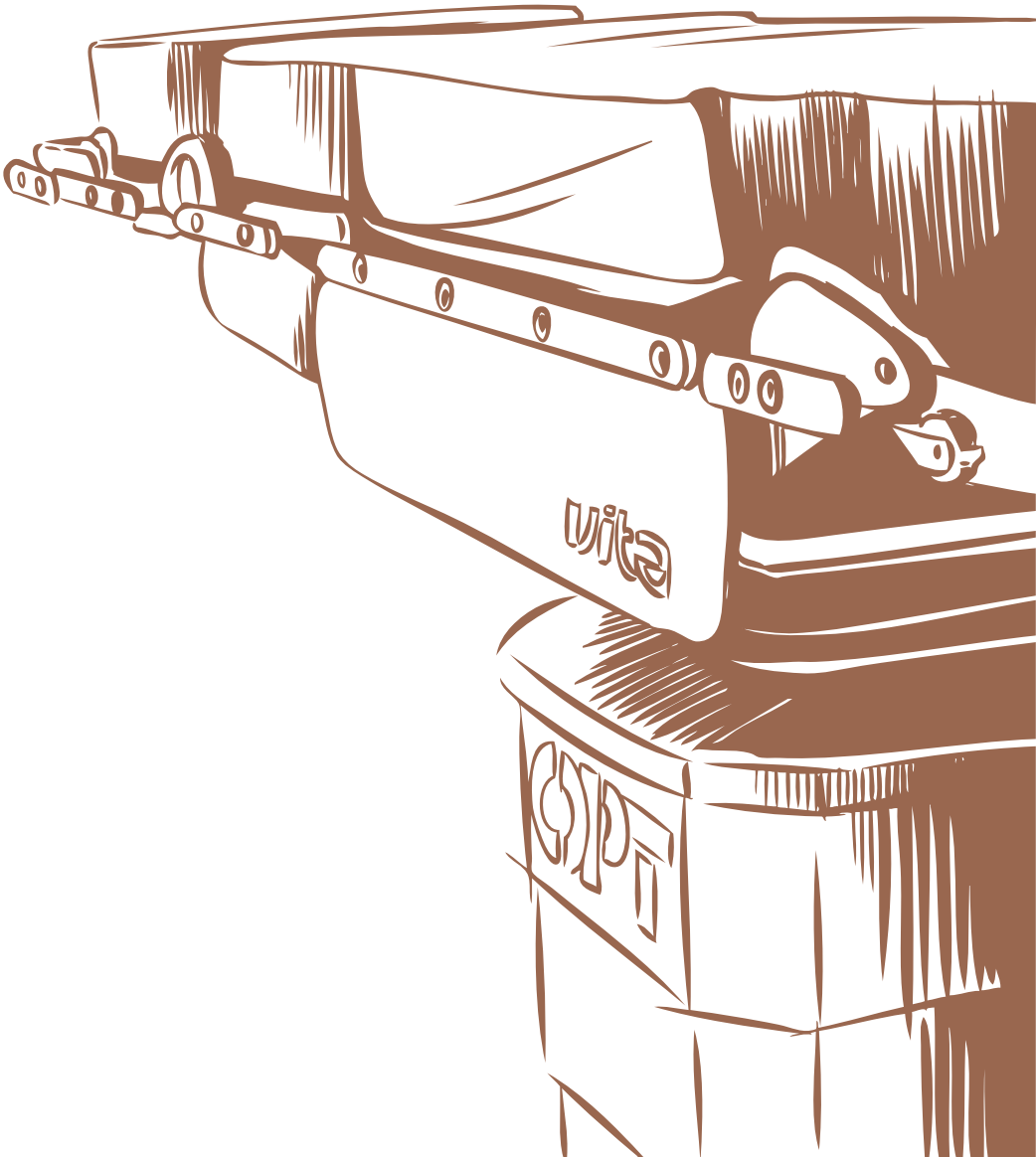
SurgiSystems





vita

MOBILE OPERATING TABLE

vita

Life in your operating theatre



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 13485

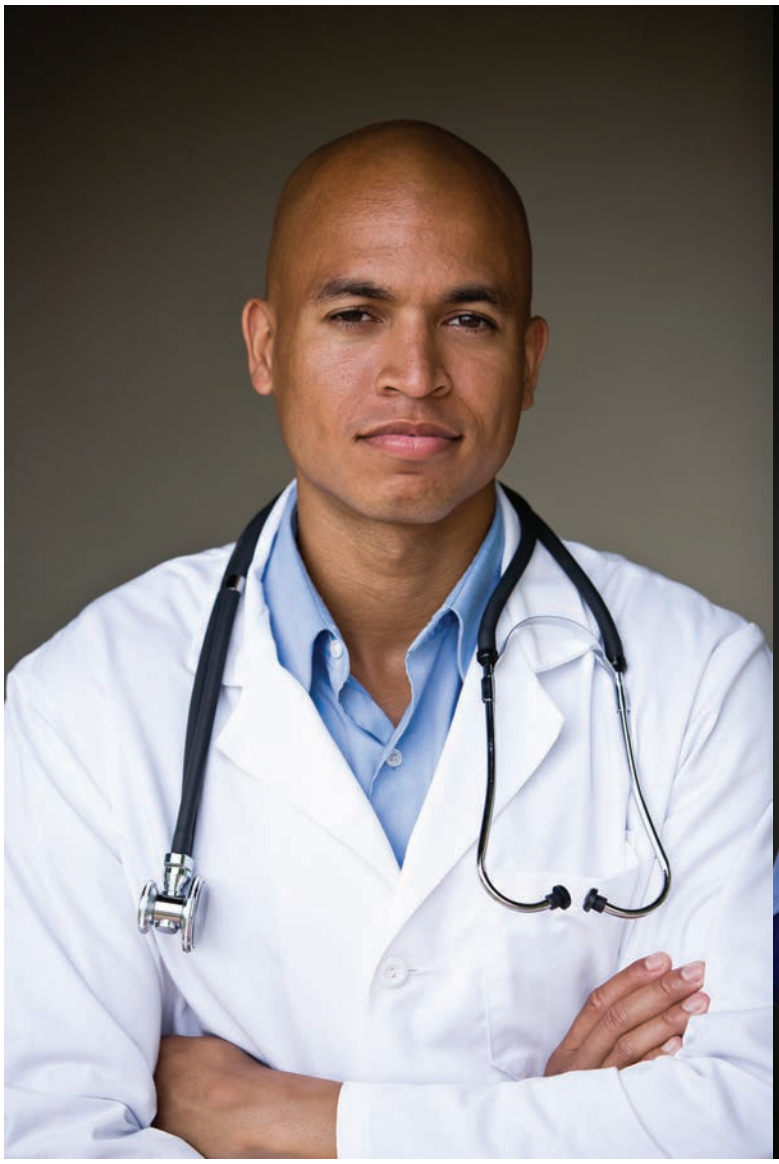
COMPANY WITH
ENVIRONMENTAL SYSTEM
CERTIFIED BY DNV
ISO 14001

CE

It's an Italian company that has been producing **operating tables and accessories** for operating theatres around the world **since 1919**.

The **attention to details** that we pay every day while manufacturing our products represents for us the difference, and constitutes an essential part of the final success of the solutions proposed by OPT.
Moreover, the constant and close collaboration with our customers, together with the great experience gained in this field in the course of **more than 100 years**, allow us to keep up developing and realizing innovative medical devices tailored for each new clinical need, in order to simplify and best meet the different demands of healthcare professionals worldwide.







Dedicated to **you**,
who are taking care of **us**.













OPT®
SurgiSystems









Life in your operating theatre

OPT SurgiSystems Team is proud to present our new operating table VITA. It is a mobile system with fixed table top suitable for all surgical disciplines.

VITA means "Life" and with nearly **100 years of experience** OPT has developed this operating system to bring **"OPT Life"** into the operating theatres.

OPT VITA has been studied using its life-long experience to be user-friendly and suitable for all needs in the operating rooms, but above all, to be safe and comfortable for the patient. Safety isn't a slogan, it's a way of life!

VITA, together with the help of surgeons and OR assistants, is made to be practical, functional and able to cope with the everyday demands required in any operating theatre.

Three fundamental guidelines have been followed in the design of the table:

1. **Care for the patient**: VITA ensures maximum comfort even in case of long lasting interventions. Patient's comfort and safety is guaranteed thanks to memory foam, anti-decubitus, visco-elastic cushions with a thickness of 80/90 mm, which have smooth electrical movements during the positioning.

2. **Care for OR operators**: VITA fulfills all the requirements of various surgical disciplines. The patient positioning is precise and immediate thanks to the modularity of the table top. Like all OPT tables, VITA has a unique Fix Torque system for easy adding and removing of the sections.

3. **Care for hospitals**: VITA is designed for the global market in order to satisfy clinical needs and to meet the requirements of modern theatres ensuring cost-effective management. It allows organizing a better logistics in the multidisciplinary operating rooms and a smarter space management. As all of OPT products, VITA has been made to give a strong and long life of the product.

A SMART operating table.
Making the complex things simply

Simplicity

VITA makes life in an OR easier and safer for both staff and patients. It has automatic support system such as **anti-collision safety system**, which prevents collision of the table top with the floor. This feature allows the user to make any required position safely. Furthermore, the innovative **Fix Torque system** enables to hook/unhook the sections of the operating table in a secure and rapid way and in a single movement without using additional clamps or locks.

Modularity and universality

The operating table VITA has a **modular central section** to which numerous sections (elongation plates, head and leg sections) can be attached. Moreover, a wide range of accessories is available for the table, so that every surgical discipline can be satisfied with a single table top.

Agility and compatibility

VITA has been designed for dynamic Operating Theatres. The table is universal and multidisciplinary, easy to manage and to provide all of the movements.
Operating table **VITA is compatible** with all the OPT accessories, sections and elongation plates. This allows a significant reduction of costs and storage spaces.

Radiolucency

The table is **completely radiolucent on its entire length**. Thanks to the longitudinal shift (350 mm) a rational and easy use of the C-Arm and the realization of radiographies are available on all the length of the table top. The longitudinal shift is greater than the column length so there is no need to move the patient. A wide range of carbon fibre sections applied on the central module allows for a **360° radiolucency**.

Technology

VITA has been designed with technological solutions that meet the needs of both surgeon and patient. To achieve the best performance in terms of **safety**, VITA offers the possibility to set different **security protocols** according to the specific requirements of the surgical operation. VITA can also **memorize various surgical positions** that can be recalled by the operator anytime.

OPERATING TABLE

Universality and flexibility in one table

VITA is a state-of-the-art product in its category in terms of aesthetic and innovative criteria, rationality in each detail, safety and versatility. It is a universal operating table, which is suitable for **all surgical specialties including traumatology**.



Ergonomics

The table has been designed to simplify the daily activities of the OR staff and to increase the patients' safety and comfort in order to prevent injuries caused by decubitus.

The base of the table is compact and has a small footprint in order to allow a **better access to the operating area**.
The distance between the various table top sections is reduced to the minimum for a better patient's comfort during the table positioning.

Modularity

VITA has a modular table top which is **compatible** with numerous components (elongation plates, head and leg sections). The sections can be hooked/unhooked on both sides of the table top thanks to the innovative **Fix Torque system**. This enables a quick and easy configuration of the table according to the surgical specialty.

The table top can adapt to different patient's sizes and thanks to a wide range of accessories it allows a better patient positioning.



MOBILITY *Precision in movement*

Maneuverability

The operating table VITA has a simple and practical maneuverability and is completely safe thanks to 4 swiveling casters. They allow an easy control of the table even in narrow spaces. The casters have a special cover that protects from accidental impacts and infiltration. A 5th mechanical wheel (optional) ensures smooth and easy move of the table.



Stability

VITA allows to block/unblock the wheels by pressing dedicated buttons on the remote control.

A pin system (one for each wheel), through an electro-hydraulic system, blocks the table in a safe and stable way for every surgical position.

Moreover, thanks to the **VITA Safety System**, during the procedure, the table remains blocked on the pins in a safe position and this allows finishing the procedure independently from the status of the hydraulic system.



Electrical 5th wheel

The operating table VITA can be supplied with a 5th electrical and retractable wheel. It allows the user to move comfortably and safely the table in case of long transfers or even in case of bariatric patients' transportation. This motorized wheel can be activated by wired remote control.



CONTROL SYSTEMS

Total control of the table in one hand

Wired and wireless remote controls with display

All electrical movements of the operating table VITA (including self-levelling) can be controlled by wireless or wired remote controls. Thanks to a **wide LCD touch screen display**, users always have a clear control of the table status and functions.

The bidirectional communication of the remote with the column allows the display to obtain quickly various information and to activate all functions of the table.

The main features of the wireless and wired remote controls with LCD display are:

- Combined buttons of some movements that can be recognized even by touch
- Saving of 32 customized surgical positions that can be recalled anytime
- Setting and selection of safety protocols for bariatric surgery
- Visualisation of all electrohydraulic movements and movement degrees
- Indications/setting of the table top reverse
- Visualization of the charging status of both remote control and table batteries
- Information on operating table status and warning through descriptive message alarms
- Information on the operating table use
- Setting of customized parameters of the operating table

The remote controls have **intuitive graphic symbols** in order to make their use immediate and extremely simple even for less experienced users. Each **button is backlit** and therefore the remote control can be used even with soft lights.



Remote control features

VITA remote controls have a **STOP button** to block instantly any movement. Moreover, remote controls have a **LOCK/UNLOCK button** to block temporarily all the keyboard.

Each remote control can be connected to a specific table VITA through a simple and quick binding procedure. Every remote control can activate only one table at a time thus avoiding any interference with other operating tables.

In addition, VITA remote controls have an exclusive button to **memorize instantaneously** a specific table position that can be recalled by a user any time.



Integrated control panel

OPT VITA column has an integrated control panel that can be used as an emergency control. It can activate all the movements of the column and of the table top without the use of wired / wireless remote controls.



Foot switch

VITA can be controlled by a foot switch with three pedals. It controls three electro-hydraulic movements: height variation, longitudinal shift and lateral tilt of the table top.



PERFORMANCES *Extreme positions with simplicity*

To ensure an optimal exposure of the surgical site, VITA offers the opportunity to reach various surgical positions with respect to the safety and comfort of both patient and user.

VITA has all electro-hydraulic movements completely independent one from one another.

Technical Specifications:

- Height variation (without cushions): 575-1.075 mm
- Trendelenburg / Reverse Trendelenburg: ± 30°
- Bilateral tilt: ± 25°
- Lower back section: + 80°/- 40°
- Upper back section: + 60°/- 90° (with tiltable section)
- Head section adjustment (removable): + 53°/- 53° (tiltable without adjustment at -90°)
- Leg section: + 50°/- 90°
- Leg section (Code 9930061): + 90°/- 90°
- Leg section spread: 180°
- Longitudinal shift: 350 mm
- Flex - only one button for two movements (back section / Reverse Trendelenburg)
- Reflex - only one button for two movements (Trendelenburg / back section)
- Self levelling - zero automatic position with realignment of all movements

Noise reduction and fluidity in movement

VITA movements are extremely silent in order not to distract surgeons and OR staff during the intervention. Moreover, the movements are extremely fluid and thus increasing the patient's comfort and safety.

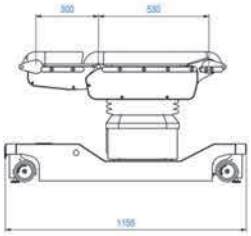


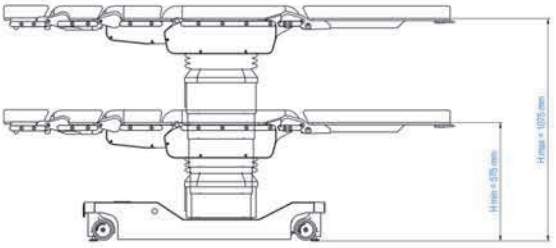


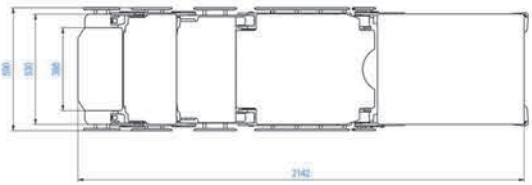


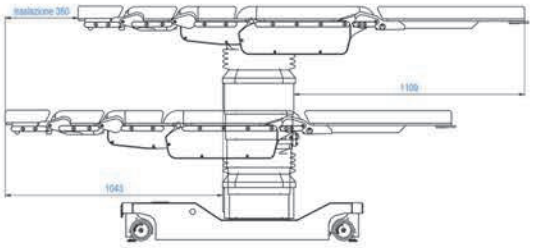


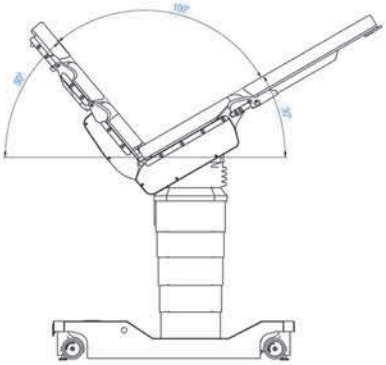
TECHNICAL DRAWINGS

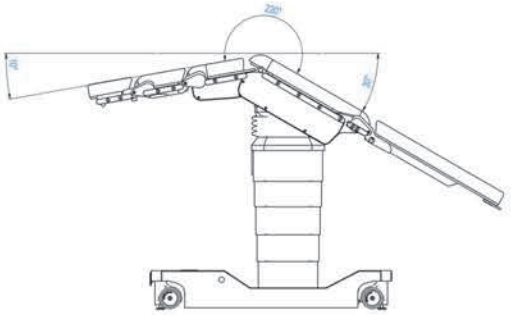


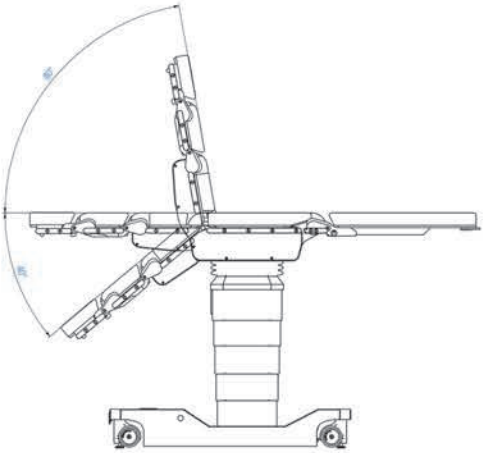


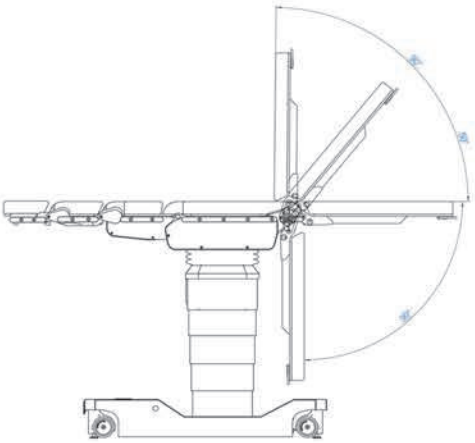


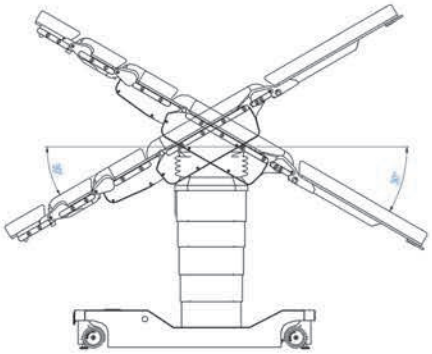


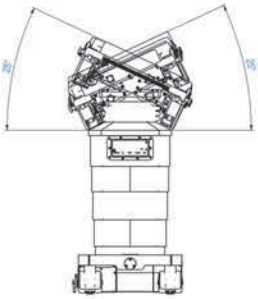












Tolerance +/- 2° on angular movements and +/- 3% on linear movements
Operating table with leg section Code 9930061

CUSHIONS *The comfortable choice*

All the VITA cushions are soft, radiolucent, antistatic, anti-decubitus and easy to remove.

VITA table top and all its sections have **two types of cushions**, which can be ordered depending on the surgical needs:

- Moulded cushions
- Memory foam visco-elastic cushions

Moulded cushions

The moulded cushions with a thickness of 60/70 mm have a specific ergonomic design. They have no seams or joins to allow the ingress of fluid and are easy to clean thereby reducing the chances of cross infection.

The cushions are thicker in the center of each section for a better comfort of the patient.



Memory foam visco-elastic cushions

Memory foam visco-elastic cushions with a thickness of 80/90 mm are designed to reduce decubitus problems and to give maximum comfort to patients. These cushions are suitable for long lasting interventions and reduce pressure sores.



Both types of cushions are **latex free**.

Cushion attachment system

All the VITA sections have an **easy cushion attachment system**. Both moulded and visco-elastic cushions are interchangeable. Therefore, the OR staff can choose which type of cushion to use according to the needs of the surgical procedures.

This cushion attachment system simplifies the cleaning process and allows a fast preparation of the table to the next intervention.



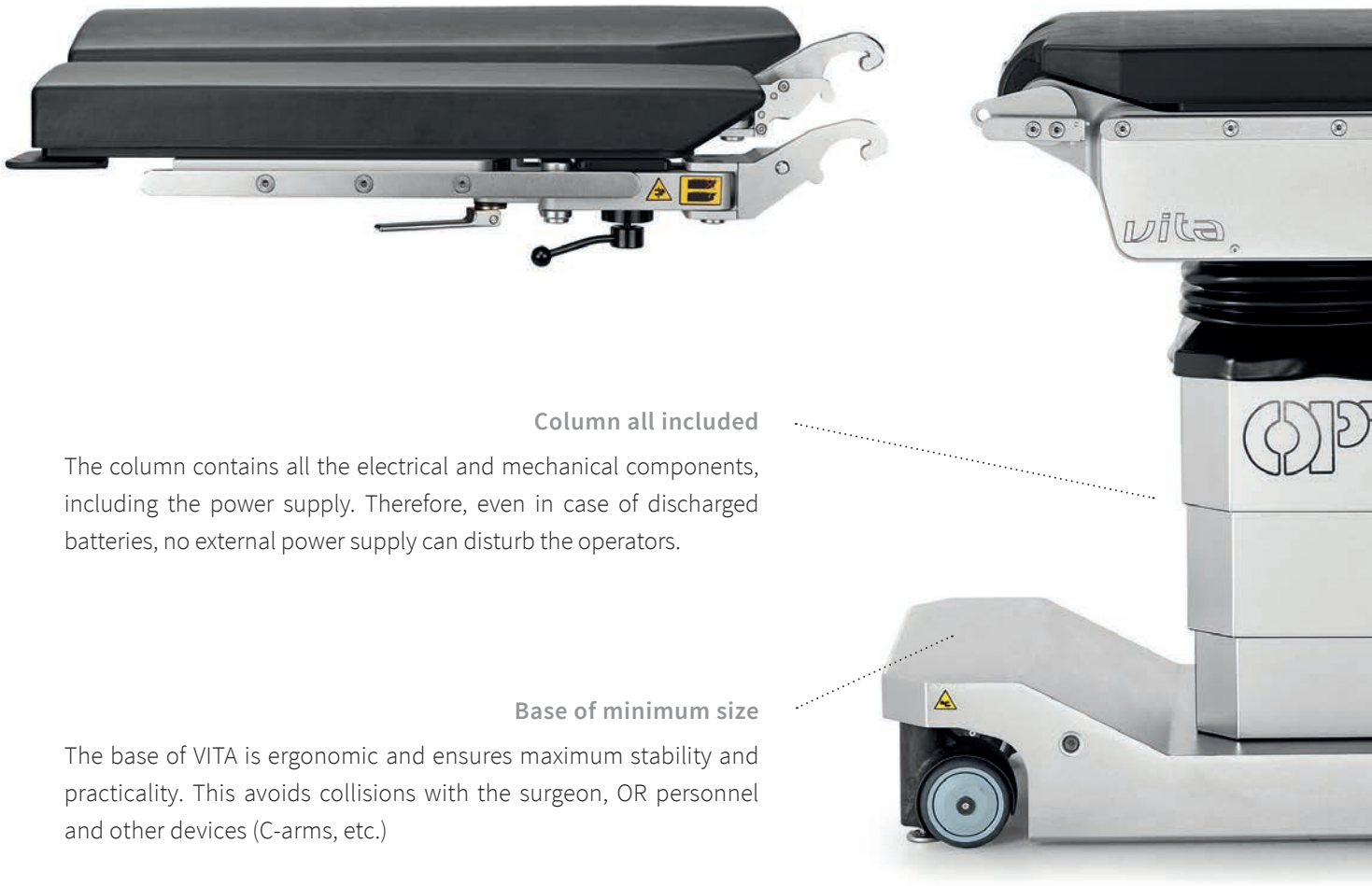


TECHNICAL FEATURES

Know how acquired in nearly 100 years of experience

Modularity and flexibility

The extreme modularity of VITA increases the flexibility of the OR. For instance, it allows changing the table configuration quickly and easily (table sections and cushions) according to the required surgical discipline and thus adapting to the OR staff needs.



Column all included

The column contains all the electrical and mechanical components, including the power supply. Therefore, even in case of discharged batteries, no external power supply can disturb the operators.

Base of minimum size

The base of VITA is ergonomic and ensures maximum stability and practicality. This avoids collisions with the surgeon, OR personnel and other devices (C-arms, etc.)

Anti-collision system

VITA has an anti-collision system of the table top that **prevents from crashes** against the floor.

Central section of the table top

The central section of the table top is motorized on both sides (back and legs). It does not need any additional electric section for the electro-hydraulic movements and performs all surgical activities without the need of moving the patient.

Attachment system

The innovative Fix Torque system allows to hook/unhook the sections of the operating table in a safe and rapid way and in a single movement without using additional clamps or locks.







Integrated remote panel

An integrated remote panel, placed at the base of the table, allows performing all electrical movements of both column and table top. In addition, there are luminous indicators of the battery charge status and of the correct data transmission.

Mobility

The maneuverability of VITA is ensured by 4 swiveling casters that allow easy control of the table even in narrow spaces.

Stability

VITA Safety System allows a secure table blocking during the surgery. The system is controlled by wired / wireless remote control or by integrated control panel. A pin system (one for each wheel), through an electro-hydraulic system, blocks the table in a safe and stable way for every surgical position.

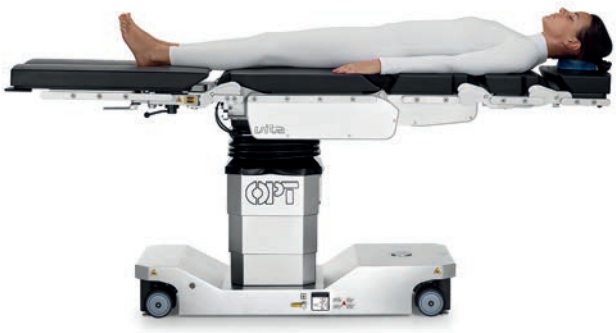
CONSTRUCTIVE TECHNOLOGY

The tradition of innovation

Constructive features

The base and the column casing are made of **stainless steel** and noble materials of the highest quality. The stainless steel is treated with **electro-polished procedure** that ensures a longer life of the material and a safe table cleaning. After the electro-polishing procedure, the surface is smooth, shiny and more resistant to scratches and bacterial agents. **VITA does not have any painted or plastic parts**.





Radiolucency

VITA table top is completely radiolucent on its entire length, anterior-back direction and without any shadow zones.

Thanks to the longitudinal shift of the table top (350 mm) a rational and easy use of the C-Arm and the realization of radiographies are available on all its length. The longitudinal shift is greater than the column length so there is no need to move the patient. Wide range of carbon fibre sections applied on the central module allow for a **360° radiolucency**.



Unique attachment system

All the sections of the table top VITA have a unique **Fix Torque system**.
This system allows to hook/unhook the sections in a secure and rapid way and in a single movement without using additional clamps or locks.



Bariatric surgery

The exceptional load capacity of VITA is **454 kg (1000lb)**.



Electro-polishing

The electro-polishing procedure is currently the best technique for stainless steel treatment. It ensures a longer life of the material and a simple cleaning of the table. After the treatment the surface is smooth, shiny and more resistant to scratches and bacterial agents.



TECHNOLOGY AND SAFETY

Full safety for operator and patient

Table top reverse

VITA table allows the inversion of the table top. The patient's orientation can be changed by inverting leg section with the head section. The inversion can be also controlled by wired or wireless remote controls. All of the electro-hydraulic movements and commands will adjust according to the table top orientation.

Safe positioning of obese patients (safety protocols)

The user can set up several safety protocols according to the needs of the surgical procedures and according to the patients' weight or height.

Emergency systems



DAE (Emergency Power Supply Device) is an external emergency device for VITA. In case of failure in electronics, it provides all the movements of the table top, the column and the wheels. Thanks to DAE it is possible to complete any surgical intervention.

Integration systems

VITA can be integrated with the main control systems for integrated OR thanks to wireless communication protocols which comply with the most stringent regulatory standards.





Anti-collision system

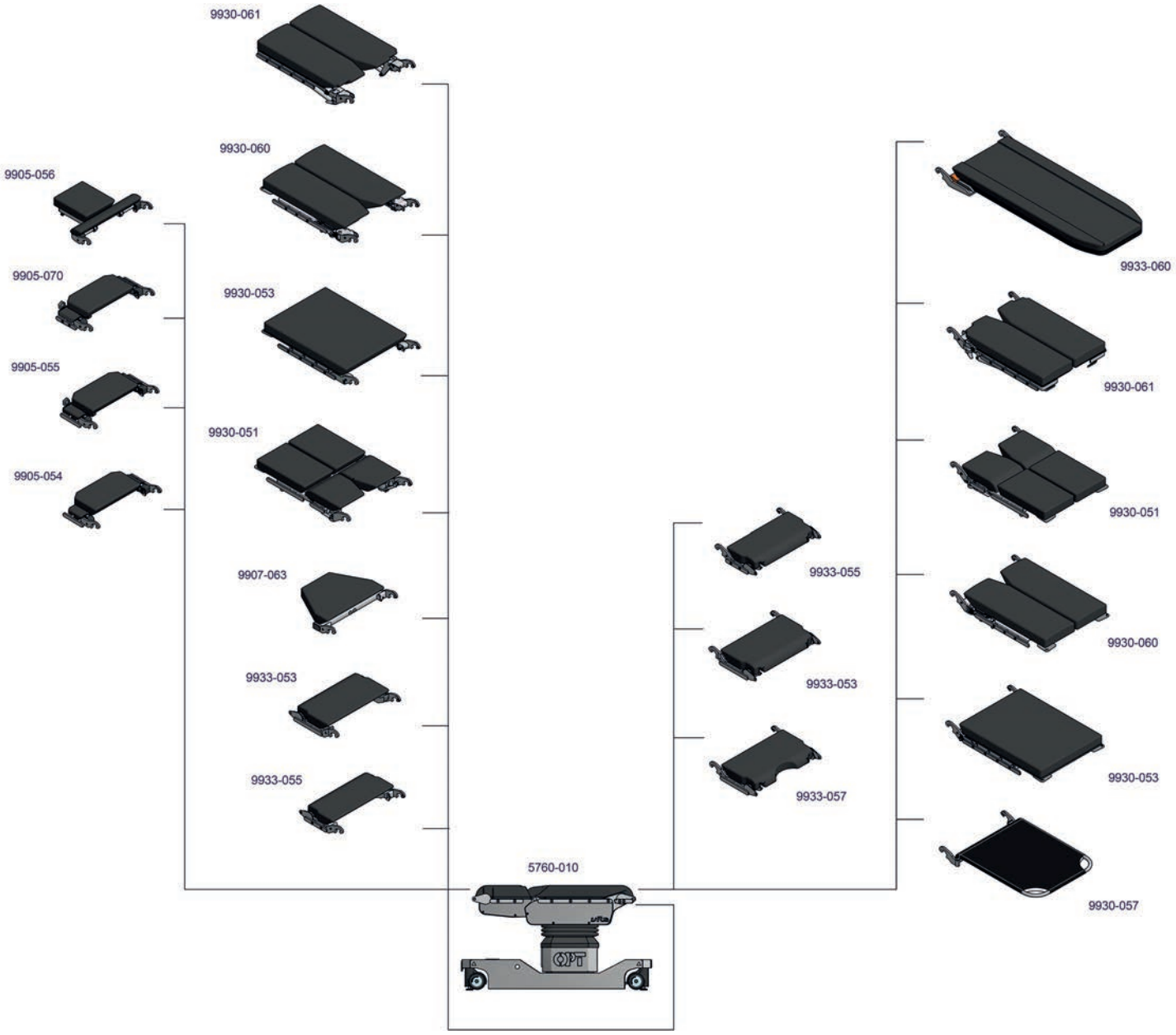
VITA has an anti-collision safety system that can determine its dimensions and prevents from crashes against the floor by blocking the movement and warns the user about the wrong maneuvers.

Safety

Safety is a prior focus of OPT in the development and design of all its products.

Attention is paid on the patient's safety and tranquillity as well as on the safety of the operators working in the OR. VITA has been designed according to **passive safety principles** (a reliable, solid and efficient product) and to **active safety principles** (devices that prevent and avoid any errors caused by misuse).

MODULARITY *Flexibility in the operating room*



Technical drawing of VITA table top with the different configurations.

SURGICAL POSITIONS



Laparoscopic surgery



Thorax surgery in lateral decubitus



Colon surgery



Abdominal surgery



Kidney surgery in lateral decubitus
(flex position)



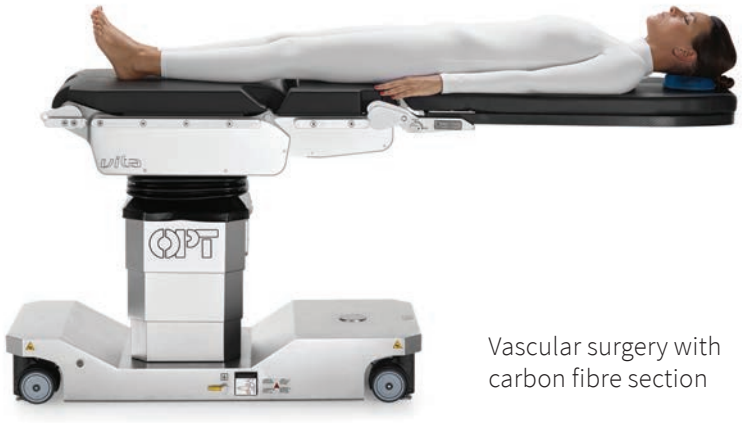
Gynae-uro-procto in
lithotomy position



Lithotomic surgery



Lithotomic surgery
with instrument tray



Vascular surgery with
carbon fibre section



Thyroid surgery



Goiter surgery



Shoulder arthroscopy in lateral decubitus



Shoulder surgery in beach chair position



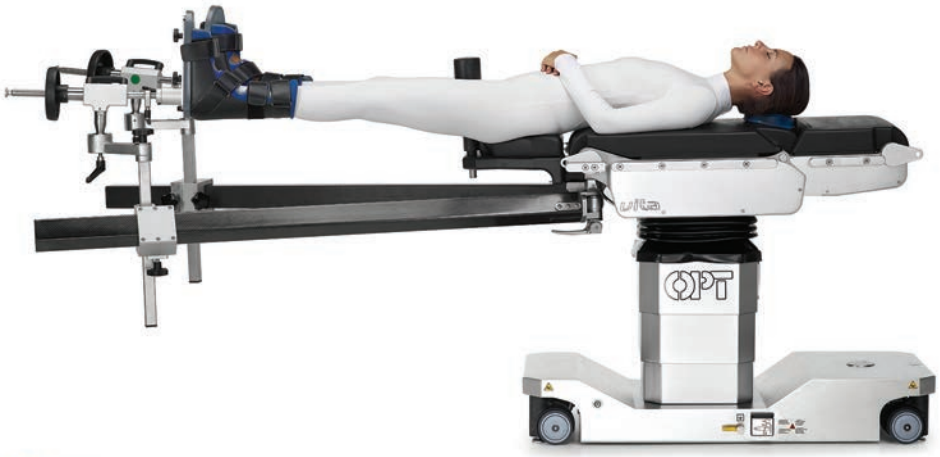
Shoulder surgery



Hip surgery in lateral decubitus



Knee arthroscopy



Hip surgery with traction device
in carbon fibre



Femur surgery



Tibia surgery



Skull surgery in prone decubitus



Skull surgery in supine decubitus



Skull surgery in beach chair position



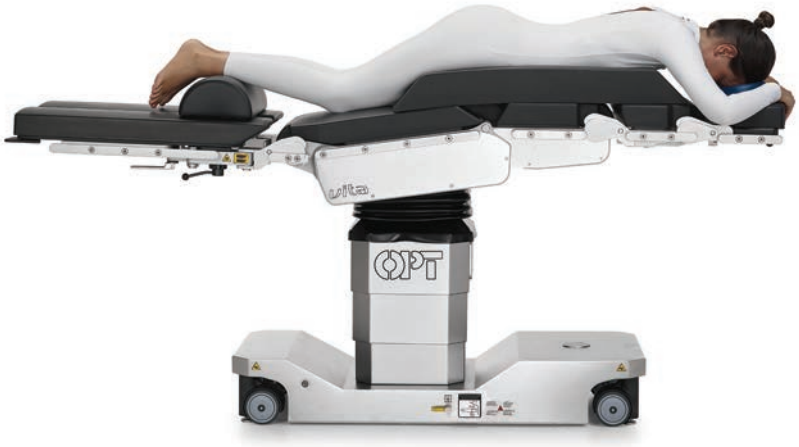
Spine surgery in genupectural position



Skull surgery in park bench position



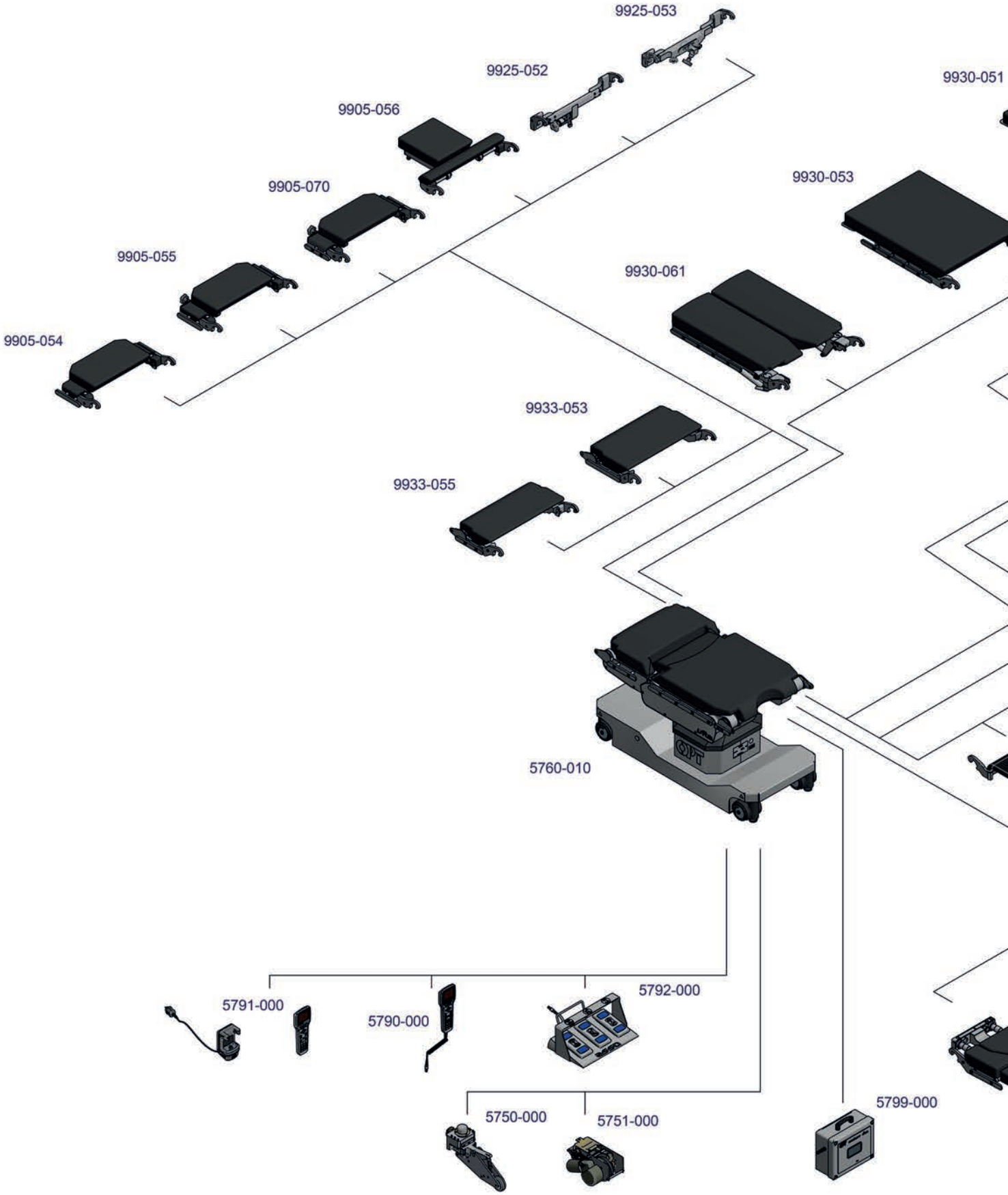
Spine surgery in prone decubitus



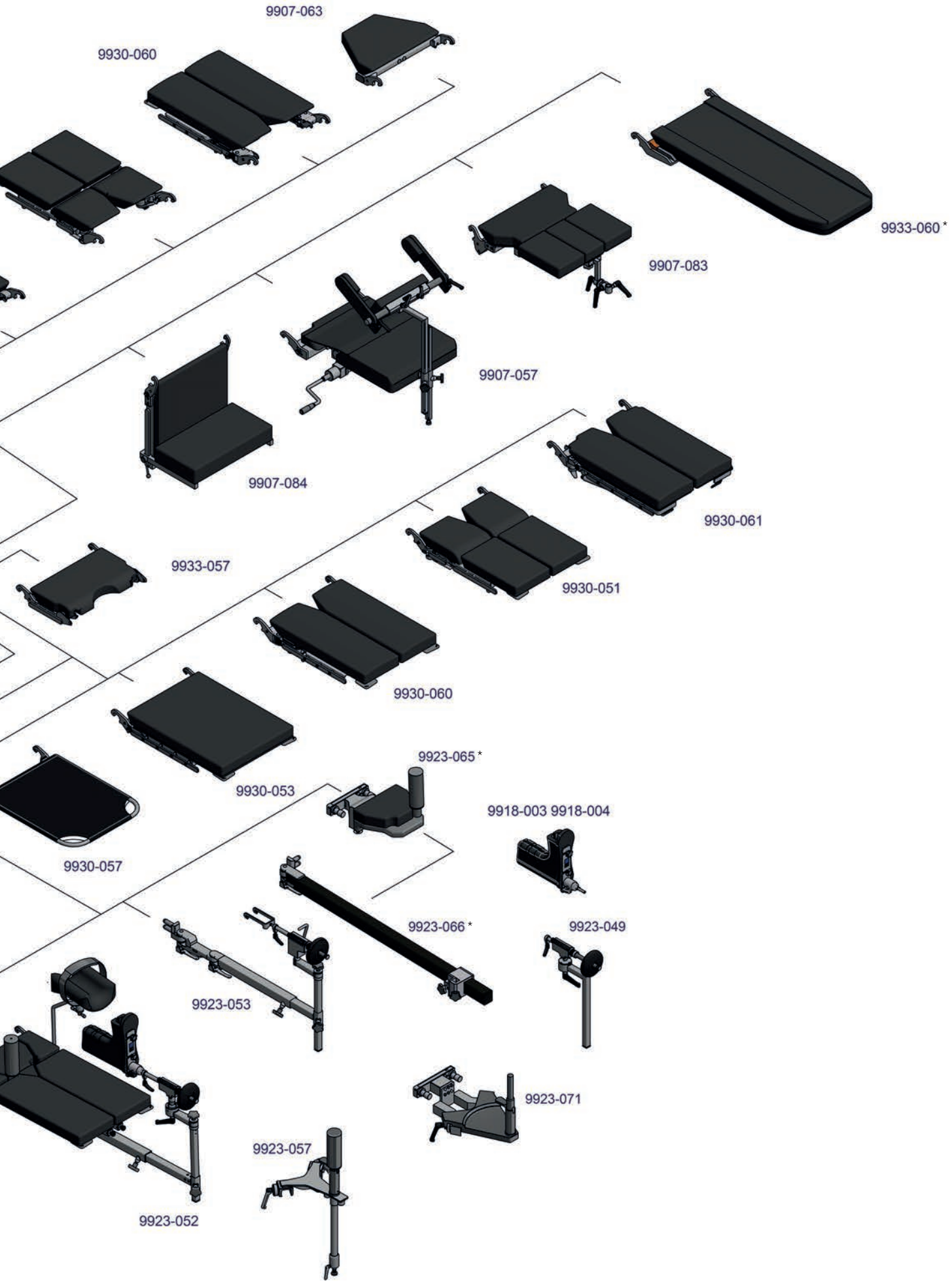
Column stabilization



LAY OUT


9925-053
9925-052
9905-056
9905-070
9905-055
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9930-051
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9933-053
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5791-000
5790-000
5792-000
5750-000
5751-000
5799-000

* Carbon fibre section



Gr: Hg blu - Ph: Luciano Cipullo

OPT SurgiSystems S.r.l.

TKB Group, Tokyo, Japan

Via Cesare Battisti, 17 - 38060 CALLIANO (TN) – ITALY

Tel. +39 0464 834336 - Fax +39 0464 835142

www.opt-ita.com

OPT SurgiSystems S.r.l. reserves the right to make technical modification without prior notice

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