

MAQUET
GETINGE GROUP

PRODUCT RANGE
SURGICAL WORKPLACES





SUCCESSFUL TEAMWORK INCREASES EFFECTIVENESS AND ECONOMIC EFFICIENCY MAQUET – THE GOLD STANDARD



Since 1838, MAQUET has been a trusted partner for hospitals and clinicians. For generations, the MAQUET name has been synonymous with a long tradition of quality and patient-focused care. The company sets the standard for sophisticated workplaces in the operating room and offers complete OR solutions including OR tables, ceiling supply units, surgical lights, state-of-the-art OR integration, the modular room system VARIOP and the MEDAP Therapy range of electrical aspirators as well as tapping units.

OR work is teamwork. In order to achieve a high level of process security in the OR, every move must be right first time; man and machine must work in perfect harmony. MAQUET's product range SURGICAL WORKPLACES fits perfectly into daily clinical practice and improves the therapeutic management of patients. Moreover, MAQUET expands therapy options through offering products in the field of cardiovascular intervention, critical care, and anesthesia.

MAQUET – The Gold Standard.

MORE THAN THE SUM OF ITS PARTS EQUIPMENT FOR THE OR MADE BY MAQUET

Perfection from A to Z: this brochure provides an insight into the comprehensive MAQUET product range in the field of Surgical Workplaces. MAQUET can look back on 175 years of experience in medical technology and has traditionally acted as a trailblazer with its new products. As one of the world's leading outfitters of ORs, MAQUET offers technical solutions

that set new standards of quality, functionality and reliability for the ideal care of the patient. Products optimized for practical application support seamless OR processes and favor the best possible surgical outcomes. Thus MAQUET solutions promote the optimum interplay of medical, functional and economic factors.

The modular room system VARIOP adapts to all spatial conditions. With its high degree of flexibility and quick access to all installations, VARIOP is a future-proof concept.

The suspended ceiling consists of individual metal cassettes integrating air-supply ceiling, operating lights, ceiling supply units as well as room lighting.

The high-quality medical furniture permits the efficient use of materials in the OR and the adjacent ancillary rooms.

The high degree of functionality and flexibility of the ceiling supply units facilitates the varied processes in the OR.

TEGRIS OR Integration: control center for integrated operating rooms.

OR tables and OR table systems meeting the highest demands for all fields of surgery.

High performance OR lights for the best possible illumination of the operating field.

Gas terminal units have set international standards in terms of operational safety and long service life, as well as design and production quality.

From the MEDAP Therapy Range: electrical aspirators for surgery, critical care and homecare. The MEDAP portfolio also includes smoke evacuation units for HF, laser and ultrasonic surgery.





HIGHEST DEGREE OF FUNCTIONALITY FOR EVERY NEED OR TABLE SYSTEMS FROM MAQUET



Flexibility: the modular design of OR table systems such as MAGNUS and OTESUS support virtually unlimited positions and ideal adjustment ranges.

Operating table systems such as MAGNUS and OTESUS deliver exceptional flexibility. The product portfolio features a choice of columns, single-piece table tops and individual plate elements that can be combined as required, plus special-purpose accessories, transporters, and an infrared remote control.

In a class of its own: with its MAGNUS OR table system, MAQUET has created a new category in such systems. Previously unimaginable, extreme adjustment ranges for optimum positioning of the patient, especially for minimal-invasive surgery, make MAGNUS the most modern and efficient OR table system on the market at present.

A versatile solution: the modular OTESUS operating table system comprises a column, a hand control, a user-friendly transporter and a wide variety of table tops and accessories.



Compatibility: special carbon fiber components support the largest range of movement for the use of image intensifiers or high end imaging systems e.g. in a Hybrid OR.



Reliability: fixed, mobile or transportable OR table columns with complete motor function ensure perfect positioning and stability.



Intuitive operation: the manual control unit comes with its own display and self-explanatory symbol buttons that support rapid and intuitive operation.

ECONOMICAL AND MULTI-FUNCTIONAL MOBILE OR TABLES FROM MAQUET

The entire range: whether the manual basic model or the motorized multitalent with its 9-segmented OR table top and IR remote control, the MAQUET universal mobile OR tables provide optimum solutions in every surgical discipline and for every surgical requirement. The wide range of versions include manually and electro-hydraulically operated models. All OR table models set world-class standards of product quality, versatility and reliability.

In the additional product range of special mobile OR tables, MAQUET offers a wide variety of accessories to provide the best possible patient care and easier working conditions for the OR team. MAQUET has refined its operating tables to maximize their radiolucency. In this regard, MAQUET also offers the universal OR table accessories in carbon fiber that has a long service life in routine clinical use, thanks to its high degree of stability.



ALPHAMAXX: up to a patient body weight of 450 kg, the table can be perfectly adapted to different body sizes, thereby assuring mobility, flexibility and stability in any operating situation. Due to its longitudinal shift of 460 mm (18.1 inches) in the version 1133.22, the whole body of the patient can be x-rayed without being repositioned.



ALPHASTAR PRO: modular, versatile, and extremely robust – for safe and precise working. The motor-driven leg plate interface enables easy and ergonomic patient positioning. Urology surgeons benefit from great radiotranslucence thanks to the extension plate at the foot end.



BETASTAR: a classic mobile operating table with lots of additional functions and a wide range of positioning options for all surgical fields. The back and leg plates can be adjusted by motor control – for excellent positioning comfort with a maximum total loadbearing capacity of 454 kg (1000 lbs).



YUNO OTN: with its intelligent modular design, this operating table is ideal for all surgical procedures in orthopedics, traumatology, and neurosurgery. Precise settings, excellent stability, and optimal radiotranslucence enable the surgeon to work extremely precisely.



ALPHACLASSIC PRO: is the ultimate all rounder. With the 310 mm (12.2 inches) longitudinal shift, the C-arm access is assured. Thanks to motor-powered back plate, ALPHACLASSIC PRO is suitable to versatile applications with 360 kg (794 lbs) loading capacity. The backlit hand control facilitate work in darkened environment (MIS).



BETACLASSIC: robust and reliable. With a manually operated hydraulic drive unit, foot-actuated function selection switch for adjusting the table top, and unimpeded access to the surgical field.





PREMIUM TECHNOLOGY FOR OPTIMUM CLARITY THE MAQUET OR LIGHTS

Light without compromises: light emitting diodes (LEDs) with extremely long service life make PowerLED, H LED and VOLISTA unique OR lights of excellent quality with accurate color representation. Thanks to their overlapping LED light bundles, the lights combine exceptional illuminative depth with unsurpassed shadow reduction. Their designs are particularly suitable with laminar flow ceilings.

Light without heat: MAQUET lights allow homogeneous and pristine illumination with minimal heat generation. MAQUET lights range cover major and minor surgery in the OR as well as treatment in the outpatient clinic or examination room thanks to the LUCEA LED range.



PowerLED: a range of 3 cupolas (700, 500, 300) with white LEDs for homogeneous and infrared-free light production, improved compatibility with laminar flow ceiling system.



H LED: the range (700, 500, 300) is based on LED technology and combines comfort, cost-savings, integration and sustainable development.



VOLISTA: a range of 2 cupolas (400 and 600) offer a modular system for adapting lighting to surgeons' needs thanks to 3 color temperature levels (3900 K, 4500 K and 5100 K). In conjunction with the TRIOP interchangeable suspension arm system, VOLISTA offers new organisational possibilities.

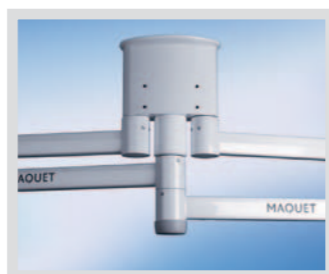


LUCEA LED 50 - 100: when LED technology reaches any OR. Designed for minor surgery, LUCEA 50-100 provide high quality illumination through LED technology without any compromises on the major enhancements offered by MAQUET surgical lights.

INNOVATIVE CONCEPTS FOR EVERY DISCIPLINE THE MAQUET OR LIGHTS

Prepare today for tomorrow's challenges: MAQUET lights allow operating room versatility, easy upgrades and customizations. With a large variety of suspensions, such as SATELITE and TRIOP, innovative OR solutions can be tailored to the needs of customers, creating a comfortable yet highly efficient working environment.

Rapid reconfigurations of the working space become easy-to-handle with the C2OP system, one of the advanced features of the TRIOP. It enables any tools (light heads, camera, display mounts etc.) to be exchanged in minutes; the OR facility perfectly suits the surgical specialty and/or the habit of the surgeon.



SATELITE



TRIOP



ORCHIDE 3D camera: an efficient learning tool setting a new standard of image quality in surgery, with the ability to make depth visible on the screen.



ORCHIDE: HD camera with two million pixels full HD images to share knowledge in full HD quality.



Single flat screen holder



Double flat screen holder





PERFECTLY ORGANIZED EQUIPMENT CEILING SUPPLY UNITS



MODUTEC: the ultimate user experience. MODUTEC ceiling supply units have been designed with modularity and compactness in mind to particularly address the installations where space is a decisive factor. BEAM-PLUS, integrated with Ceiling Supply Units, improves the workflow in clinical rooms and helps to reduce the infection risk.



MAQUET Screen Solution: screens on pendant are multi-angle displayed and height adjustable gives a better surgeon view in Hybrid OR



M-LIFTING: work safely at your ergonomic height. The most advanced ceiling supply unit of its kind - to provide both staff and patients with a more aesthetic and ergonomic clinical experience by lifting anesthesia machines and MIS trolleys.



M-CARRIER: quickly at your service. The new light-weight, motorized ceiling supply unit M-CARRIER is a key component to create truly ergonomic work places. With speed, small footprint and multiple combinations for capacity, M-CARRIER is right at your service in the ICU, OR, emergence room and NICU. At the push of a button M-CARRIER takes workflow support to a new level.



M-SHIFT: continuous care in transfer. M-SHIFT, the infusion transfer solution from MAQUET excels as flexible, effortless, stable and transferable system. Transferring the complete set of a patient's infusion system will take less than a minute, thus optimizing the workflow in the critical care environment and liberating nurses from heavy workload. With optional accessory M-SHIFT Trolley, different needs in the daily care are fulfilled.



PLG: compatible with floor-bound anesthesia systems or heart machine in OR, space saving and workflows simplified. Gentle bottom LED light enables a more precise information viewing.

Competence and economic efficiency: devices of various sizes and weights can be mounted in a manageable arrangement and monitors can be positioned so that every team member can see the screen. The ceiling supply units meet all requirements and provide individualized solutions for each clinical area. They facilitate workflows inside the

operating theater, as well as in recovery or intensive care rooms. MODUTEC range pendants with their ease of use, wide reach and high-load bearing capacities ensure optimum ergonomics and efficient risk management. To improve patient transfer workflow, M-SHIFT secures the efficient infusion transfer with high loading capacity.

THE CONTROL CENTRE FOR INTEGRATED OPERATING ROOMS

Modular integrated solution: MAQUET offers a comprehensive OR Integration product line covering the needs of all medical disciplines in all types of ORs. Perfectly integrated into your workflow, TEGRIS acts as a central control for the OR, increasing quality, safety and efficiency of your OR procedures. TEGRIS unites user-friendly video routing, recording and transmission, data management combined with convenient device control in a single compact unit.

High compatibility and easy use: the vendor independent approach of the TEGRIS OR Integration system from MAQUET ensures compatibility with existing devices and systems. Imaging and medical devices in the OR such as endoscopy equipment can be controlled from one point using the intuitive touch screen. The system can easily be integrated into hospitals IT landscapes, supporting open standards such as DICOM and H.264.



Convincing advantages for the doctor

- Fast access to all important data and image sources
- Simple archiving of data and images in the hospital's own HIS/PACS
- Optimal view of the operating field or endoscopic image through visualisation on high-resolution monitors
- Preparation of the OR to meet each surgeon's preferences
- Concentrate on the operation while TEGRIS serves all important information at the right place at the right time

Convincing advantages for the IT specialist

- Simple integration into the existing IT environment
- Compatible with all OR-relevant equipment and systems
- Standard IT interfaces: DICOM Worklist, DICOM Store SCU etc.
- Easy access due to placement either in the operating room or in the technical room outside the OR
- Comprehensive support by MAQUET service including remote access

Convincing advantages for the OR staff

- Simple and fast operation through safer and more efficient workflow
- Central control of the entire operating room via the touch screen
- More time for the patient
- Intuitive user interface, thus minimum training effort
- User interface adapts to daily OR workflow

Convincing advantages for management

- Improved efficiency thanks to optimised OR usage
- Security of investment through the deployment of manufacturer-independent technologies and compatibility with components added in the future
- Complies with all medical and hygiene-related requirements
- Service-oriented partnership



The easy assembly and disassembly of individual wall and ceiling elements allows quick access to medical gases, electrical and multimedia installations. Clients are thus best equipped with the optimal prerequisites for adapting both operating rooms and intensive care units to cutting-edge technologies and to meet their constantly changing needs.

The program VARIOP INDIVIDUAL opens up numerous possibilities for project layouts. Appealing colors and color combinations create a pleasant atmosphere.

MAQUET has its own solution selling company, MAQUET Hospital Solutions, which develops innovative customized concepts.



IN SERVICE MORE THAN 5,500 TIMES WORLDWIDE VARIOP, AN INNOVATIVE APPROACH TO ROOM DESIGN



Ahead of its time: MAQUET maintains ongoing relationships with users and planners and has therefore developed sound specialist knowledge of the technical and conceptual requirements in hospitals. This is exactly the foundation upon which VARIOP was created.

The modular system adapts to all spatial conditions and is suitable for new buildings as well as modification and expansion projects. Short construction times, the very highest degree of flexibility and a secured investment contribute sustainably to the profitability and efficiency of hospitals.



USED A THOUSAND TIMES A DAY MAQUET MEDICAL FURNITURE



RESIST: the RESIST medical furnishings-durability. All products comply with the recommendations of the profession as well as the modern regulations and safety standards.

RESIST equipment includes instrument tables, OR shoe racks, instrument stands, OR step stools, swivel operating stools, infusion stands, heated bowl holders, hand and arm posturing tables, disposal units and equipment trolleys.



MODULIT LOGO: true specialists on four wheels. That aptly describes the special-purpose trolleys found in the MODULIT LOGO range. Because even though they are similar in appearance, each of them is precisely attuned to specific needs. While the one keeps all your surgical prep supplies at your fingertips, others are perfectly outfitted for endoscopic exams, the emergency room or surgical interventions.



The high art of lying down: MAQUET examination tables are known to be the safest in their class – even under high loads. And they are not just comfortable, they are also durable. The universal purpose MAQUET examination tables provide all-round superior comfort for patients. With their stable welded RESIST construction, they ensure a high level of safety even under extreme conditions.

Everything within arm's reach – wherever you need it: for anesthetics, during endoscopic surgery, applying dressings or casts, or on the ward – MODULIT LOGO is always on hand. The range includes an extensive accessories program, needsbased drawers and high-quality, durable design.

RESIST offers a comprehensive program for stainless steel medical furnishings. Safe, well-designed and durable enough to meet the everyday demands of the modern operating theater. And as multi-faceted as the requirements of the personnel working with them.





SEAMLESS EQUIPMENT DOWN TO THE LAST DETAIL MEDAP THERAPY



Surgical aspirators: powerful aspirators in user-specific versions and with the highest degree of overflow protection.



Vacuum controllers for vacuum and compressed air for all types of aspiration, from surgical aspiration to thoracic drainage.



Aspirator: revolutionary vacuum setting, complete overflow protection, and a new design.



Flowmeters: tube flowmeters as well as click stop metering flowmeters for all clinical requirements of adults to neonates.



Smoke evacuation unit: effective, quiet extraction of all surgical smoke and airborne particles that are generated during ultrasonic, HF, RF and laser surgery.



Mobile oxygen supply: fully mobile unit with pressure regulator, to ensure an uninterrupted oxygen supply during patient transport.

Unique offer: the MEDAP Therapy range gives substance to our claim to provide complete systems. The product range encompasses electrical aspirators as well as tapping units for surgical, bronchial and drainage aspiration, as well as a complete product range of flowmeters and of an accessories program for gas extraction.

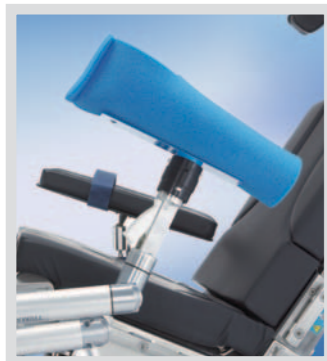
TRIMANO 3D SUPPORT ARM MULTIDISCIPLINARY APPLICATIONS



Thanks to the TRIMANO arm board, patient arm positioning for lengthy procedures in lateral or park bench positions will no longer present a major challenge. TRIMANO is a time saving and flexible arm positioning device, reducing setup time and allowing the procedure to start sooner. It offers two options: an arm board with a detachable SFC pad and a PUR arm board as a single unit. Both versions secure the patient's arm in place with a Velcro strap.



The TRIMANO with the countertraction post attachment is an ideal solution for elbow procedures. The radiolucent countertraction post can be easily positioned while providing optimal X-ray access. With multiple pad options available, the countertraction post promotes patient comfort while helping to ensure optimal positioning of the elbow.



In combination with the arm rest, TRIMANO keeps the patient's arm fixed securely and allows it to be positioned exactly where it is needed by the surgical team. Supporting the patient's arm with the TRIMANO system allows the assistant to fully concentrate on the procedure. TRIMANO offers two options: a reusable stainless steel arm rest with a disposable pad for secure fixation or a disposable arm rest and pad combined in a single unit which reduces delays due to sterilization times.



With the MAQUET wound retractor holder mounted onto the TRIMANO, existing wound retractor can be attached, to allow optimal exposure of the surgical site. The TRIMANO "Click and Move" system allows precise one-handed repositioning of the retractor in any position. With immediate secure fixation, the retractor interface is designed to make intra-operative retractor changes quick and easy, adapting to the needs of the procedure at hand.



The TRIMANO system in combination with the finger fixation provides the positioning flexibility that is needed during wrist arthroscopy. The system can be moved in any direction and fixed in any position, allowing the patient's hand to be positioned precisely as required under sterile conditions. TRIMANO provides an effective way to both open up and create more space inside the wrist. If X-ray imaging is required, thanks to the radiolucent finger fixation supporting the patient's hand in the correct position, the surgical team's exposure to radiation is reduced.



Excellent image quality is one of the first steps for better patient outcome in laparoscopic surgery and the TRIMANO with endoscope support makes shaky video a thing of the past. After stability, flexibility of movement of the endoscope is crucial and via the "Click and Move" system, the TRIMANO can be moved using just one hand and the endoscope can easily be placed into any desired position. The latex-free strap securely fixes yet allows rotation of the endoscope.



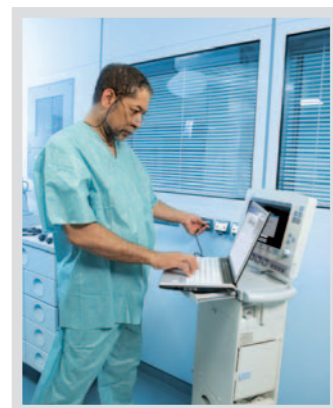
COMPREHENSIVE SERVICES MCARE SERVICES



The MCare Academy offers a great deal of useful product knowledge



Costs and risks controlled throughout the product lifecycle



Innovation and updates for ongoing development



Maintenance, repairs, and replacement parts to ensure reliable operation

MAQUET's MCare Services support and service program offers a variety of customer support options. In addition to maintenance and repair, these services include training in applications and patient positioning workshops. MAQUET's further training offerings include symposia regarding new treatment options and e-learning programs. Additional options include financing concepts for equipment and clinical staff.

"Empowering our customers" – means more decision-making flexibility for customers and thus greater cost effectiveness. With its MCare Services, MAQUET offers tailored and flexible support and services for its entire product range, thus providing added value for the entire product lifespan. The scope of the support, the right service package, and additional options are determined in conjunction with the customer and adapted to meet the specific needs of the healthcare facility. There are four types of service agreement available to cover different scopes of service:

- MCare Preventive
- MCare Plus
- MCare Professional
- MCare Partner

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PACKAGES OF MCARE SERVICES	MCare Preventive	MCare Plus	MCare Professional	MCare Partner
Telephone support	■	■	■	■
Preventive service	■	■	■	■
Corrective service		■	■	■
Selected spare parts		(■)	■	■
Maintenance kits	■	■	■	■
Selected consumables			■	(■)
Updates		■	■	■
Technical training				■
User training	■	■	■	■
Additional Options				
Emergency back-up unit				
Upgrades				
Quality check				
Consumables discount				
Software options discount				
Accessories discount				
MCare remote services				
MCare portal				
E-learning technical training				
E-learning user training				

Local variants of MCare Services packages are possible. Please contact your local MAQUET representative or visit www.maquet.com for more information.

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For local contact:

Please visit our Website
www.maquet.com

MAQUET

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GETINGE GROUP is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. ArjoHuntleigh focuses on patient mobility and wound management solutions. GETINGE provides solutions for infection control within healthcare and contamination prevention within life sciences. MAQUET specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.