

**IDEAL IN EVERY POSITION:
THE MAGNUS OPERATING TABLE SYSTEM**

With MAGNUS, MAQUET has developed an intelligent operating table system geared to cater to the entire operative spectrum, with the integral ability to optimally take into account any adjustments the very latest medical and economic requirements may call for.

Rastatt, April 2009. 160 kilograms is a weight which not just jeopardizes the personal operating risk of the patient, but also the efficacy of surgical procedures on traditional operating tables.

More and more, surgeons are faced with such additional concerns as the number of overweight patients continues to rise. Very heavy patients generally impair the stability of an operating table, making it virtually impossible to position it as the surgeon requires. "Patients are becoming heavier, these are enormous leverage effects" adds Dr. Dieter Engel, technical director at MAQUET.

"Nevertheless, the operating table has to be positioned to the millimeter."

The displacement of fat from the surgical area is a particular challenge to the surgeon. The targeted exposure and positioning of the patient required for this

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is now possible with the use of the MAGNUS. An optimum exposure area is achieved in combination with gravitational force and the operating table's extreme tilting and tipping functionality. The tilt angle of up to 80° and canting angle of up to 45° combined with the system's fully compatible modules open up virtually unlimited positioning possibilities. "This way a patient weighing up to 250 kilograms can be brought into any possible position. MAGNUS is thus fast approaching its vision of the "floating" patient," so Dr. Engel.

This is of particular significance when it comes to minimally invasive surgery, as it is the table's extreme tilting and tipping function that makes surgical interventions even possible on an obese patient.

Ergonomic working conditions with flexible settings

With its unique height adjustment range varying between 535 mm (21 Inch) and 1235 mm (49 Inch), the MAGNUS ensures ergonomic and thus relaxed working conditions even during longer operations. The benefits of individual settings are particularly evident during laparoscopic interventions: As the MAGNUS can be lowered further than any other table the surgeon can keep his elbows positioned comfortably at his side and is not forced to revert to a tiring position. The table's unique lowering functionality makes the commonly used step stool to

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decrease the distance to the surgical field a thing of the past. The larger abdomens of obese patients can be operated on the MAGNUS while maintaining a relaxed and comfortable posture. In contrast to laparoscopic operations, a high table position is required for hip replacement in the dorsal position. This way, the operation which may take up to 90 minutes can be performed in an upright position. If the table cannot be adjusted to the height required, the surgeon is forced to assume a bent over posture which generally results in tension and fatigue.

Besides its settings designed to cater to various indications, the MAGNUS can optimally adjust to the height of the surgeon. The advantage of this comes to the fore when putting the table in an international context: Whereas the height of the average male in Sweden is 181.5 cm (71,4 Inch), the average male in the Philippines is less than 164 cm (64,5 Inch).

A comprehensive solution and safe investment for the operating room

The MAGNUS operating table system is an overall system that meets tomorrow's requirements today. From preparation to transport and diagnostics, up to the surgery and post-operative care, MAQUET has

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developed a comprehensive system that optimally caters to the full spectrum of surgery - particularly also those involving minimally invasive interventions and logistics. Like all MAQUET products, the operation table system MAGNUS is constantly subject to ongoing changes in surgical techniques. With a service life of an average of some 20 years, the MAGNUS has been designed to integrate the very latest technical optimizations and to allow for modular expansion of the system whenever and wherever required.

(852 words)

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Please don't hesitate to contact us for high-resolution images.



Upright and free of strain: The MAGNUS table top can be raised extremely high. This allows surgeons to operate comfortably from a standing position, e.g. during a total hip replacement in the dorsal position.



Relaxed arms and shoulders: The extremely low setting of the MAGNUS OR table system ensures safe and stress-free operating, e.g. in minimally invasive laparoscopic interventions.

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INFORMATIONS ABOUT THE MAQUET GROUP

The MAQUET Group is the global market leader for Medical Systems, focusing on the Operating Room (OR) and Intensive Care Unit (ICU). The integrated products of MAQUET are specially designed to deliver the best clinical treatment and the best therapy concepts within acute care hospitals. MAQUET provides innovative medical solutions from three Divisions:

- Cardiovascular with products for cardiac assist (intra-aortic balloon counterpulsation therapy), coronary artery bypass surgery, heart valve repair, aneurysm and vascular repair, peripheral interventions and extracorporeal circulation.
- Critical Care for intensive care ventilators and anesthesia machines
- Surgical Workplaces for OR tables, lights and ceiling service units, prefabricated OR and ICU suites as well as telemedicine for the OR integration.

MAQUET is a subsidiary of the publicly-listed Swedish group of companies GETINGE AB, a company with over 2 billion euros in revenues (2008 fiscal year) and 12,800 employees worldwide. In 2008 MAQUET itself generated

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pro-forma revenues (including the acquisition of Datascope Corp.) of over 1 billion euros. The company now has 5,000 employees in 34 international sales and service organizations, as well as a network of more than 200 sales representatives.

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MAQUET – The Gold Standard.

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