

**MAGNUS: ERGONOMICS AND SAFETY  
IMPLEMENTED THROUGHOUT THE WORLD**

**Maquet's Magnus operating table system provides  
better working conditions for surgeons.**

Rastatt/Germany, September 2010. Suitable working conditions for the surgical team are a fundamental prerequisite for ensuring that operations are performed ergonomically and safely. This applies to the entire surgical area but in particular to the operating table. A study<sup>1</sup> revealed that 45% of the surgeons interviewed had to use a step during surgery to compensate for the height of the operating table. About 33% of doctors and 56% of surgical nursing staff reported that problems with operating tables and steps have caused hazardous situations to persons in the OR on several occasions.

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<sup>1</sup>U. Matern, S. Konczny, M. Scherrer, T. Gerlings (2006): Arbeitsbedingungen und Sicherheit am Arbeitsplatz OP in: Dt. Ärzteblatt, Volume 103, Issue 47.

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### **Increasing awareness for ergonomics**

Dr. Geert Vandenbroucke, anesthesiologist and Medical Director at OLV in Aalst, Belgium, is well aware of ergonomic deficits and knows how to avoid them:

"Ergonomic aspects already play a significant role in the equipping of operating rooms. For instance, we have equipped ORs in which new and innovative surgical techniques are used with Maquet's Magnus operating table system. Its individual adjustment options ensure relaxed and safe work processes – especially for laparoscopic surgery."

One factor that makes this possible is the fact that the height of the operating table can be adjusted between 535 mm and 1,235 mm.

### **The Maquet operating table supports efficient workflows in more than 1,000 ORs**

More than one thousand Magnus operating table systems have now been placed into operation worldwide. August marked the handover of the 1,000th Magnus operating table in Aalst, Belgium. The hospital uses five of these

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operating tables for minimally invasive surgery in gynecology, abdominal surgery and robot-aided urology surgery. The system is used to perform some 350 prostatectomies per year at OLV. "The Magnus impresses users thanks to its tilt and turn functionality. It is the only table that offers unlimited patient positioning options, which is something we really need in many areas of minimally invasive surgery. The excellent access to the surgical field and the optimum patient care enabled by the table ensure an excellent work flow" says Dr. Vandenbroucke regarding their reasons for purchasing the table.

### **Increasing efficiency with optimized workflows**

An increasing number of decision-makers in administration and purchasing are starting to become aware of the process optimization that can be achieved with ergonomics, thus increasing profitability. Bernhard Kulik, Head of Product Management for Operating Tables at Maquet explains: "The correct use of medical equipment not only relieves the burden on surgeons and the operating team – it also has an effect on efficiency and therefore on profitability. As a high-performance

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center, the operating room is particularly prone to complications and risks resulting from non-ergonomic equipment. This can have major monetary implications for a hospital." The increased degree of awareness of this aspect and the related added value for the surgeon, surgical team, patient and hospital can be directly measured by Maquet on the basis of customer demand: From 2008 to 2009, the company recorded a 50% increase in demand for the Magnus operating table system, which is produced in Germany.

(CHARACTERS: 3.666)

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**We are happy to supply high-resolution images on request.**



*Surgeons work more ergonomically with the Magnus operating table, which has an excellent (height) adjustment range.*



*The surgical team of the OLV clinic in Aalst, Belgium, now works more ergonomically with the Magnus operating table, which has an excellent (height) adjustment range*

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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), Hybrid OR, Cath Lab, Intensive Care Unit (ICU) and Patient Transport. The integrated products of MAQUET are specially designed to deliver optimal clinical treatment and therapeutic applications 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, complex aortic surgery reconstruction, peripheral interventions and extracorporeal circulation.
- Critical Care for intensive care ventilators and anesthesia machines
- Surgical Workplaces for OR tables, lights and ceiling service units, flexible room design for OR, Hybrid OR and ICU as well as digital OR integration.

MAQUET is a subsidiary of the publicly-listed Swedish GETINGE GROUP, a company with around 2.2 billion euros in revenues (2009 fiscal year) and 12,100

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employees worldwide. In 2009 MAQUET itself generated revenues of around 1.1 billion euros. The company now has more than 5,000 employees in 36 international sales and service organizations, as well as a network of more than 250 sales representatives. 12 manufacturing sites are located in 6 countries.

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