

The first sterile instrument table for the operating room

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The danger from hospital infections is worsening because, increasingly, they cannot be cured with commonly used antibiotics. In 1974, only 2% of Staphylococcus aureus infections in the USA were MRSA (methicillin-resistant). By 2003, that figure had soared to 57%, and now is over 60%. To fight against hospital infections and the more and more resistant bacteria's it has been developed Toul Mobile Laminar Airflow. Laminar airflow systems has been used for many years in the operating rooms and have shown a significant reduction of surgical site infection. Unfortunately it was not possible to use this technology in most existing operating rooms due to huge installation and renovation costs.

A main problem especially in long operations is the contamination of surgical instruments due to human presence and their activity within the operating room. An English Study from Whyte has been estimated that almost 70% of bacteria found in the patient's wounds come directly or indirectly from the instruments. There is a clearly relationship between the quality of the air and the degree of sepsis encountered. Under normal circumstances, the main source of airborne microbial contaminants is microscopic skin fragments given off by staff in theatre. In a conventional operating room you can expect about 50 to 200 CFU/m³. This number is rising the more people are in the operating room and the longer the operation last. As few as 10 colony forming units (CFU/m³) are sufficient to cause a deep infection*. Gosden PE, Mac Gowan AP Bannister GC J. Hosp Infect 1998; Toul instrument table maintains the sterility of the instrument table even during long operations and reduces therefore the risk of a surgical site infection SSI. In many surgical rooms the instruments are not protected during operations because they are located outside the laminar airflow. This technology has been used for more than 6 years in various hospitals in Sweden with success. They reduced their surgical infection rate below 1 % which saves the hospital money for extra treatment and longer hospital stays. Toul is also an excellent solution for field hospitals as it creates immediately sterile conditions wherever you need it. More information www.normeditec.com

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Our company is engaged in fighting against hospital infections with a laminar air flow that reduces the risk of postoperative infections

[You can find this press release here](#)