



Cleanroom
Technology
Austria

SurgeonAir®

the ISO-Class 5 mobile laminar airflow
for best-in-class infection control

Made in Austria

SSIs drive cost for patients, individual clinics as well as for the entire healthcare system

SSI as cost driver for the entire healthcare system

Up to **5%**

of surgical procedures trigger an SSI ¹

Avg. **16** hospital days

extra per intervention due to SSIs ²

Avg. **5-13** k USD

extra cost per infection ²

Up to **~29** bn USD per year

extra cost for the healthcare system in the USA + EU combined ³

1 - Eckmann C et al. (2022) Clinical and economic burden of surgical site infections in inpatient care in Germany: A retrospective, cross-sectional analysis from 79 hospitals.
2 - Maraş, G.; Sürme, Y. Surgical Site Infections: Prevalence, Economic Burden, and New Preventive Recommendations. *Explor. Res. Hypothesis Med.* 2023, 8, 366–371
3 - upper range estimates combined from Zimlichman E, et al. Health care associated infections: a meta-analysis of costs and financial impact on the U.S. health care system. *JAMA Intern Med.* 2013, and Leaper DJ, et al. Surgical site infection, a European perspective of incidence and economic burden. *Int Wound J.* 2004

Up to **98%** of SSIs¹
are caused by
airborne infections

- **Bacteria attaches to airborne particles** (e.g. skin flakes from the operating room staff)
- **Air transmitted bacteria are the most critical source for wound infection**
- **30% direct contamination:** Bacteria-carrying particles settle directly into open surgical wounds through sedimentation²
- **70% indirect transfer:** Airborne bacteria first land on sterile instruments or surgical team hands, then transfer to the wound²

Given the 65+ years experience producing clean air – we have developed the SurgeonAir[®], helping surgeons guarantee patient safety

ISO 5 guaranteed within the protection zone (clean room class) with a steady and turbulence free air flow

Mobile and easy to adjust to any environment and operational set-up

Quick set-up – delivering value within seconds



Cleans the room air at the same time

Laser lines marking protection zone

Self-optimizing filtration: The more you use it, the better the filter gets

No subscription model; zero consumables

For all types of surgeons
and clinics...

You are a **large clinic** or **small private practice**

You **already** have a **high-tech OR-airflow** system installed **or not**

Your operational room infrastructure **equipped to install an OR-ceiling or not**

... get the **SurgeonAir®** for
best-in-class clean air
infection control

Reduce risk of legal liability and
save costs

Deliver best-in-class **patient safety**

Become a **reputation leader** for
new surgery standards

Clean air for what matters

Clean air competence since 1965

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