

AirFRAME®



Bringing it all together for healthcare

503-744-0002

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FULLY-INTEGRATED CEILING SYSTEMS

AirFRAME® modular ceiling systems

The ideal solution for all types of ORs

The AirFRAME modular ceiling system represents a leap forward in surgical ceiling system technology. Simultaneously meeting current OR ceiling system design requirements and simplifying future adaptability, the system integrates all OR ceiling-mounted components—including ventilation, filtration, and integrated lighting and other electrical components, as well as mounting plates, rails or other connection points for medical gas, audio-visual, equipment/lighting booms and imaging equipment—into factory-assembled modules.

Unlike OR ceiling systems advertising modular construction but requiring significant field build-up of separate assemblies, AirFRAME systems are truly modular—installing in complete modules, which require little or no field assembly beyond pre-determined, factory-integrated connections to services and ceiling-hung equipment. AirFRAME systems are load-bearing,

including all forms of ceiling-hung equipment, and come with a complete set of fully-executed, stamped structural engineering calculations per local requirements, including all integrated items. And with our 25+ years of experience in providing systems for airborne contaminant control and removal in sensitive spaces, you can rest assured that our products are designed with patients and providers at the forefront of the process, achieving an ideal balance between airflow performance, design flexibility, rapid deployment, and future adaptability.

The ideal solution for pharmacy

The AirFRAME modular ceiling system is certifiable to exceed Class 7 of the United States Pharmacopeial Convention (Pharmaceutical Compounding-Sterile Preparations. Revision Bulletin. 2008, p 26.).



User-friendly design, superior performance

Custom AirFRAME® systems can be configured to incorporate equipment or imaging rail systems in the SLD and in combination with the external or internal truss for specialized requirements.



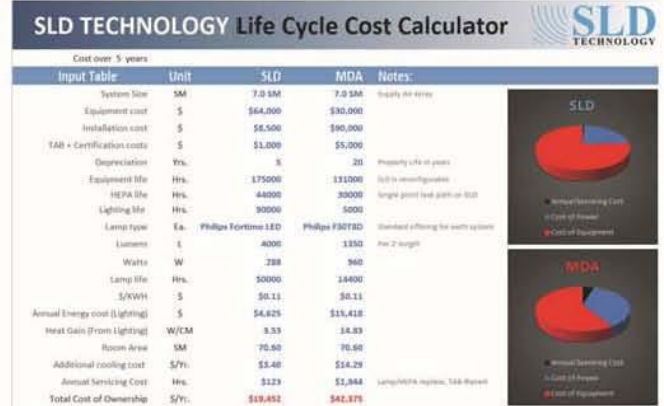
Hinged damper/diffuser assemblies are located downstream of the filters, allowing for fast filter replacement, easy cleaning, and accurate test and balance of the system.



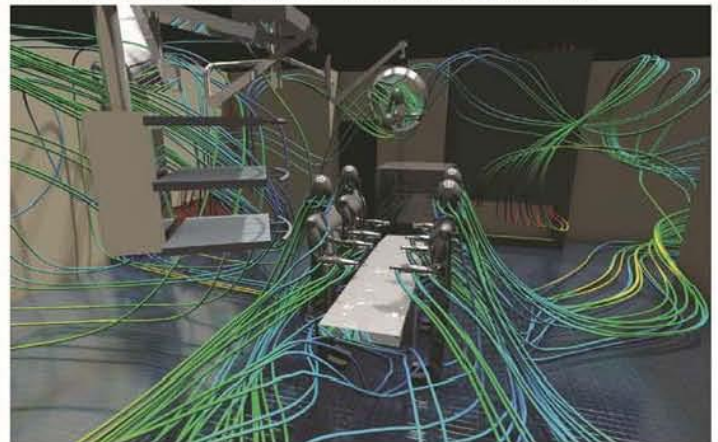
LEDdiffuser systems are configured for simple installation into spaces that do not need integrated structural supports such as endoscopic, procedure, patient, and waiting rooms.



COSTS LESS than conventional MDA systems. Factoring in savings in maintenance, consumed energy, engineering, project management, and installation time, SLD has a lower cost of ownership.



PERFORMS BETTER than conventional MDA systems. Contamination is pulled away from the sterile field. Turbulence and recirculation are mitigated with controlled airflow.



BRINGING IT ALL TOGETHER

AirFRAME systems are uniquely suited for many types of surgical suites, hybrid surgical suites, and procedure rooms, including general, orthopedic, neurological, spinal, urological, and cardiac/thoracic.

Contact us at Sales@SLDTechnology.com or visit us on the web at www.SLDTechnology.com if you are interested in learning more.

Ceiling system comparison checklist

SLD

AirFRAME® modular OR ceiling system. Single-source, factory-built, integrated system including all boom mounts, lighting, and ventilation components in modules that are attached to the building structure using a few connection points.

CSS

Competitive modular OR ceiling system. Single-source, factory-built, integrated system including all boom mounts, lighting, and ventilation components in modules that are attached to the building structure using a few connection points.

SSFB

Single-source system that requires structural, boom mount supports, lighting, and ventilation components to be individually field-installed and integrated. Often, equipment and lighting booms are not included and must be coordinated separately.

ISFB

Individually-sourced structural, boom mount supports, lighting, and ventilation components that are field-installed and integrated.

Feature	SLD	CSS	SSFB	ISFB
Factory-built quality	✓	✓	✗	✗
Low-turbulence SLD airflow delivery design to help reduce HAIs/SSIs	✓	✓	✗	✗
Integrated mounts for all ceiling-hung equipment	✓	✓	✗	✗
Load-bearing capabilities encompass cath labs and specialized equipment	✓	✓	✗	✗
Fully-executed, stamped structural calculations	✓	✓	✗	✗
Low onsite trade coordination (structural, electrical, HVAC)	✓	✓	✗	✗
Integrated, dimmable, flush LED lighting	✓	✓	✗	✗
Minimally invasive, low-noise construction process	✓	✓	✗	✗
Rapid install, minimum lost revenue time for install	✓	✓	✗	✗
Organized layout and easy access above OR ceiling	✓	✓	✗	✗
Enclosed system, sealed off from interstitial space to avoid dust build-up	✓	✓	✗	✗
Five-year property life	✓	✓	✗	✗
Maximum configurability for current needs and future upgrades	✓	✗	✗	✗
Standardized lights and filter (stock or local source)	✓	✗	✗	✗
Field-adjustable height of ceiling-hung equipment mounts	✓	✗	✗	✗
Hinged access panels for filters	✓	✗	✗	✗
Filters easily replaced room-side by one person without removing screens	✓	✗	✗	✗
Room-side air balance by one person with all components in place	✓	✗	✗	✗
Damper control downstream of filter to avoid damage during balancing	✓	✗	✗	✗
Quiet air delivery due to downstream damper	✓	✗	✗	✗
10-year warranty available with purchase of service agreement	✓	✗	✗	✗

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