

Manufacturers of shock-resistant cold aisle and energy-efficient server racks

Article Overview

Leading manufacturers of energy-efficient, cold aisle, and shock-resistant server racks include Cool Shield(TM), Accelelevation, Maysteel Industries, Armstrong, and Kaltgang-Warmgang.

Key Manufacturers and Their Offerings

Cool Shield(TM) (Worthington Armstrong Venture) Cool Shield(TM) provides hot and cold aisle containment systems designed to optimize energy use and airflow management in data centers. Their modular solutions are suitable for both new and existing facilities, offering versatile aisle containment from single rows to entire data centers. The systems are engineered to maintain consistent intake temperatures and reduce power consumption, supporting energy-efficient operations . Accelelevation Accelelevation specializes in customized containment systems for data halls, including ceiling-hung and freestanding panels. Their solutions are designed for rigidity, durability, and energy efficiency, reducing energy expenses by up to 10% annually. The panels feature low-profile, modular designs with pneumatic soft-close doors and tool-less access, making them suitable for cold aisle and hot aisle configurations . Maysteel Industries Maysteel offers custom-engineered hot and cold aisle containment solutions with a focus on energy efficiency and operational continuity. Their turnkey and design-built systems use vertical panels to isolate hot aisles, directing exhaust air efficiently and preventing mixing with cold air. Maysteel's in-house engineering and manufacturing capabilities ensure high-quality, durable, and energy-efficient enclosures . Armstrong Ceilings Armstrong provides modular aisle containment systems with premium-grade materials for long-term performance. Their Cool Shield(TM) components include floor-mounted structural systems and framed panels that support critical infrastructure while enhancing airflow control and energy efficiency. Armstrong's solutions are suitable for both new builds and retrofits, offering flexible, secure separation of hot and cold aisles . Kaltgang-Warmgang This manufacturer focuses on energy-efficient enclosures and mesh partitions for cold and hot aisle separation. They provide customized, modular solutions with doors, ceiling panels, and airflow kits, emphasizing flexibility, durability, and energy savings. Their systems are designed to meet the specific requirements of each data center layout .

Summary

These manufacturers provide shock-resistant, energy-efficient, and cold aisle-compatible server racks and containment systems. They offer modular, customizable solutions that improve airflow management, reduce energy costs, and ensure long-term durability. Depending on your data center's size and requirements, these companies can provide both turnkey solutions and custom-engineered systems to optimize performance and efficiency.



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Our flexible server racks and aisle containment solutions for hot and cold corridors are both cost and energy efficient. We help you to

Airflow management in data centers is essential to ensure operational efficiency and maintain the right

Following a collaborative, customer-driven approach, we provide the best containment options for each project. Whether ceiling hung

Innovative Data Center Infrastructure & Server Rack Solutions. PDU/UPS, Thermal Audit, IT Cooling, IT Enclosures, SmartRow,

Enhance airflow control and energy efficiency in data centers, laboratories, and cleanroom environments with

Custom engineered hot and cold aisle containment solutions that keep your data center running smoothly and make your build-out

Starting with flexible, easily installed, adaptable and pre-configured customized server racks and network cabinets saves you costs,

If you are looking for customized server racks and cabinets, Atlas Manufacturing can help. We have manufactured thousands of

A server rack is a standardized frame or enclosure designed to hold multiple servers and networking equipment. These racks

12 Server Enclosure Manufacturers in 2026 This section provides an overview for server enclosures as well as their applications and

Secure and organise your valuable equipment with our Server Racks and Cabinets. Find the perfect solution for your data center or

Server Cabinets are the main part of any IT infrastructure. They help to organize and

Depending on your facility's layout, Armstrong Aisle Containment Solutions offer both Hot Aisle Containment (HAC)

Cool Shield(TM) products provide customers with versatile, turnkey aisle containment systems for new or



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existing critical spaces. Our

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