

SOLUTION BRIEF

Flex data center racks and enclosures

From industry-standard to fully custom solutions, delivered at Flex scale

KEY BENEFITS

- Scale confidently using advanced manufacturing for rapid, reliable delivery of tailored racks and enclosures.
- Optimize performance with racks designed to support the increasing power and cooling demands of AI-driven workloads.
- Choose custom or industry-standard racks and enclosures aligned to evolving compute architectures.
- Enhance sustainability with green steel sourcing, material efficiency, and energy-efficient manufacturing.
- Reduce lead times and vendor management with vertically integrated rack and enclosure solutions.

Maximize performance and efficiency with Flex rack and enclosure solutions

As AI accelerates data center buildout, operators need to maximize compute capacity to stay competitive. Hyperscalers are targeting new approaches to rack and enclosure design to achieve higher levels of compute density leveraging industry-standard, semi-custom, and fully custom configurations. Flex provides global manufacturing scale with regional customization for rack and enclosure solutions that evolve as your infrastructure does.

Unite global manufacturing with regional customization

Flex operates manufacturing sites across North America, Europe, and Asia Pacific, enabling localized production and compliance with regional materials and thickness specifications.

- Improve deployment efficiency with rack solutions tailored to evolving hyperscaler and colocation needs.
- Enhance flexibility when demand fluctuates using adaptable forecasting that enables quick responses to shifting markets and customer needs.

Leverage standards-based or customer IP solutions

Flex delivers Open Compute Project (OCP) ORv3-compliant rack solutions, providing a proven, industry-standard approach to high-density compute infrastructure.

- Deploy with confidence using pretested ORv3 rack configurations designed for optimal integration.
- Leverage Flex's manufacturing excellence for proprietary designs.
- Reduce lead times with supply chain efficiency and localized production capabilities.



ORv3 rack configurations: Pre-tested, scalable, and optimized for next-gen compute

ABOUT FLEX

Flex provides advanced manufacturing capabilities, innovative power and cooling products, and end-to-end product lifecycle services that solve for data center power, heat, and scale challenges in the AI era. Accelerate data center deployment worldwide with Flex.



Deploy at scale with **regionally customized** rack solutions engineered for your data center

Benefit from advanced manufacturing capabilities

Flex incorporates robotics and automation, including robotic welding and stamping, to enhance precision and production efficiency.

- Increase manufacturing precision with automated production techniques.
- Drive sustainability improvements through green steel initiatives and material efficiency strategies.

The Flex advantage

Flex's manufacturing scale ensures global availability and rapid deployment of racks and enclosures. Comprehensive design options support everything from industry-standard ORv3 configurations to fully customized enclosures tailored for AI, high-performance computing, and enterprise data center workloads.

- Turnkey rack and enclosure solutions – From OCP-compliant to fully custom configurations, Flex provides scalable solutions for hyperscale and colocation data centers.
- Accelerated time to deployment – Global supply chain integration and pretested rack designs reduce deployment complexity and lead times.
- Sustainability leadership – Flex prioritizes green manufacturing, material efficiency, and energy-conscious production to align with environmental goals.

Leverage Flex's market-leading solutions for data center infrastructure deployment at scale

Partner with Flex, the only provider offering a comprehensive portfolio of innovative critical and embedded power solutions alongside cutting-edge liquid cooling technologies — and the advanced manufacturing, supply chain, and value-added services to deploy at scale worldwide.

Optimize your AI-era data center
with Flex rack and enclosure solutions.

Learn more

[Quick look](#) | [Rack integration](#)



For more information, visit flex.com/connect

Flex (Reg. No. 199002645H) is the manufacturing partner of choice that helps a diverse customer base design and build products that improve the world. Through the collective strength of a global workforce across 30 countries and responsible, sustainable operations, Flex delivers technology innovation, supply chain, and manufacturing solutions to various industries and end markets.

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