Fast Assembly Scaffolding System: KITSEN Aluminum Scaffolding Tower for the US Market Showcased at Las Vegas Expo



Yangjiang, Guangdong Nov 12, 2026 (Issuewire.com) - KITSEN, the Chinese formwork and scaffolding manufacturer, showcased its aluminum scaffolding tower systems at the Las Vegas Expo, the construction and access equipment exhibition in the United States. The company presented its aluminum mobile scaffolding tower range to the North American market, where fast assembly, tool-free installation, and platform safety are the specification points for access equipment. For US contractors and facility maintenance teams, the KITSEN booth highlighted how aluminum mobile scaffolding tower systems combine a high safe working load with a light structure that two persons can erect. The company's participation in the Las Vegas Expo reinforced its established export footprint, with the aluminum tower range actively serving contractors and equipment rental fleets across the North American market.

Aluminum Scaffolding Tower for the US Market

The aluminum scaffolding tower is engineered for the rigorous access requirements of maintenance, cleaning, and interior/exterior decoration work at height. The tower is manufactured using advanced robot welding technology, which provides consistent weld quality and structural integrity across the entire production run. Built with high-strength 6061-T6 structural aviation aluminum, it offers exceptional durability with a significantly lower weight than steel.

The tower widths range from 750 mm to 1,450 mm, featuring both a single-width option (0.75 m x 2.0 m) and a double-width option (1.35 m x 2.0 m). Tower heights reach from 2.98 m to 14.1 m, with platform heights spanning from 1.98 m to 13.1 m, effectively covering the entire working range required by commercial facility maintenance and industrial construction. The variety of widths and flexible component combinations allow users to match the tower footprint to any working area, from narrow interior corridors to expansive industrial halls.

For the US market, the mobility and flexibility of the tower provide clear operational advantages. The structure can function as a mobile single tower for short-duration tasks or as a connected large-scale scaffold for extended projects, with lightweight aluminum components easily handled by a single worker. Features such as the trap-build method, ribbed rung tubing for secure footing, and self-closing trapdoors ensure maximum safety at the platform level.

Fast Assembly and No-Tool Installation

Assembly speed and simplicity are the defining features of the KITSEN aluminum tower. The entire system is built around just four main component types—frames, platforms, braces, and outriggers/stabilizers—allowing two workers to complete erection without crane assistance. The spigot connecting mechanism and rigid brace claw design join the sections securely without loose fittings, completely eliminating the need for hand tools during assembly. For facility maintenance teams setting up and dismantling equipment repeatedly, this tool-free design drastically shortens setup time between work locations.

The platform design directly supports working efficiency at height. Slip-resistant platforms equipped with wind lock clips and self-closing trapdoors provide a ultra-stable working surface. Three internal ladder options—straight, integral, and clip-in—allow contractors to customize access to specific project needs.

The system delivers a rated safe working load of 272 kg per platform level (evenly distributed) and up to 1,000 kg total capacity per tower (including self-weight), easily accommodating workers, heavy tools, and materials. Furthermore, unlike steel scaffolds that are prone to rust, the all-aluminum structure is 100% corrosion-free, offering equipment rental companies low maintenance overhead and a 40% metal

salvage recycling value (35% higher than steel).

Safety Certification and US Market Evidence

Third-party safety certification and industry recognition are essential for specifying equipment in the North American market. The KITSEN aluminum tower is manufactured and rigorously tested in compliance with BS EN1004:2004 (the international standard for mobile access towers) and holds TÜV, SGS, and VUZ approvals. The platform load rating of 200 kg/m^2 for evenly distributed loads complements the per-level rating, backed by robot-welded frame joints that undergo strict factory quality checks.

KITSEN's solid reputation in North America is backed by official corporate credentials, including its official membership in the Scaffolding & Access Industry Association (SIA) in the United States. Furthermore, the widespread procurement and application of its K100 Wall Formwork System by US clients strongly testify to KITSEN's robust capability in delivering high-standard, comprehensive solutions tailored to local construction needs. For US distributors and rental companies, the aluminum tower offers a fast-assembly access option that complements the heavier steel scaffolding systems in the same portfolio.

The US market focus on OSHA-aligned access practices is directly served by the tower's documented load ratings, SIA association alignment, and third-party certifications, which streamline safety reviews for American contractors using imported access equipment. Direct container shipments from Shenzhen, China, alongside documented factory inspection trails, ensure a smooth procurement process for US rental fleets.

Jobsite Applications: Aluminum Scaffolding Towers in Commercial and Industrial Projects

To validate structural agility and working safety across North American facility environments, KITSEN aluminum mobile scaffolding towers are deployed across routine maintenance and fast-turnaround construction applications:

• Commercial Facility Maintenance & Interior Fit-Outs: For expansive airport concourses, commercial atriums, and hotel lobby fit-outs where ground surfaces cannot support heavy mobile elevating work platforms (MEWPs), facility operators deploy single-width (0.75 m x 2.0 m) and double-width (1.35 m x 2.0 m) aluminum towers. The lightweight 6061-T6 frame prevents tile and finished floor damage, while the tool-free spigot and claw lock design allows two technicians to relocate, erect, and dismantle working towers up to platform heights of 13.1 meters without disrupting daily commercial operations.

• Industrial Plant MEP & Overhead Piping Access: In dense manufacturing plants and mechanical rooms featuring congested ground layouts and tight corridor access, maintenance contractors configure the tower's rigid outrigger stabilizers and 272 kg platform-rated decks. This configuration accommodates maintenance personnel alongside heavy piping tools, electrical diagnostic equipment, and replacement parts, ensuring rigid lateral stability without obstructing factory floor workflows.

These field deployments substantiate the system's structural stability, rapid assembly speeds, and proven safety performance across demanding commercial and industrial access environments.

Fast-Assembly Aluminum Tower vs Traditional Steel Scaffold

The fast-assembly aluminum tower ensures that two persons can erect the entire access structure

without tools, drastically accelerating setup between job locations compared to traditional steel tube-and-coupler scaffolding that requires heavy components, loose fittings, and longer assembly times. The robot-welded 6061-T6 aluminum frame keeps each component light enough for single-worker handling, while the EN1004-certified 272 kg platform rating provides the heavy-duty capacity that American maintenance and construction contractors require.

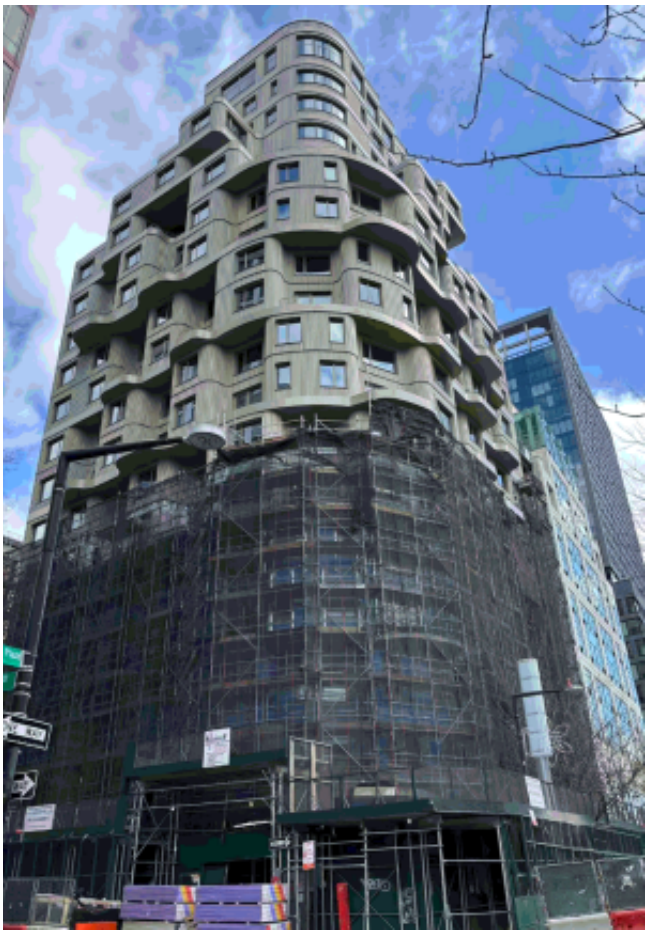
Conclusion

KITSEN showcased its Aluminum Scaffolding Tower Systems at the Las Vegas Expo, bringing a fast-assembly, highly mobile access solution to the North American market with full EN1004 compliance and TÜV/SGS/VUZ approvals. The combination of robot-welded aviation aluminum, tool-free locking mechanisms, and robust platform safety features positions the tower as an ideal choice for US facility maintenance, commercial cleaning, and interior construction applications. Supported by its established export

channels in the US and state-of-the-art manufacturing base in China, KITSEN continues to provide American contractors with access equipment built for rapid deployment and uncompromised safety at height.

More information regarding KITSEN aluminum scaffolding tower products is available at the official company website: https://www.kitsen.com/. Product-specific inquiries and media contacts can be directed to the KITSEN sales team through the website.





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