Top Formwork Manufacturer in China: KITSEN Formwork Innovation Showcased at bauma Germany



Yangjiang, Guangdong Nov 12, 2026 (Issuewire.com) - KITSEN, the Chinese formwork and scaffolding manufacturer established in 1995, showcased its engineered formwork innovation at Bauma, the world-leading construction machinery trade fair held in Germany. The company presented its modular formwork systems to the European construction market, demonstrating its early-stripping slab mechanisms and rigid vertical forming solutions, alongside the precise manufacturing standards applied across all product lines. For European contractors and formwork rental companies evaluating modular systems, the KITSEN booth highlighted how lightweight engineered formwork combines the load capacity of traditional systems with a reuse cycle rated for hundreds of pours. Building on its previous participation, including the 2016 show in Germany, KITSEN returned to the 2025 fair as part of a sustained international exhibition schedule, showcasing its advanced formwork and scaffolding lineups. This ongoing presence in Germany reflects the company's long-term commitment to the European market, where the demand for reusable, low-labor formwork systems continues to grow alongside regional infrastructure and housing programs.

Formwork Innovation at bauma Germany

The Bauma presentation focused on the core product families that define KITSEN's approach to

modern concrete construction:

Speedeck (Modular Slab Formwork): Features lightweight aluminum panels paired with modular drop-head supports, delivering rapid assembly and high versatility for open-span commercial and residential slabs without crane dependence.

Fastform (Quick Early-Stripping Slab Formwork): Features the proprietary KITSEN panel-prop early-stripping mechanism, engineered with a patented 6-direction locking restriction for maximum safety, allowing a single worker to assemble up to 27 m^2 per hour and dramatically shortening floor cycle time on high-rise projects.

K100 & K120 Series (Efficient Wall & Column Formwork): Designed to coordinate seamlessly with horizontal slab casting, the system combines 6061-T6 aluminum frames with birch plywood to withstand concrete pressures up to 60 kN/m^2 without walers. The lightweight K100 is ideal for irregular walls and tight spaces requiring easy manual handling, while the larger modular K120 maximizes installation speed for standard shear walls and open-span residential projects.

To meet the efficiency benchmarks demanded by German and European contractors, KITSEN engineered these modular systems around panel self-weight, assembly speed, and surface durability. Manufactured from high-strength 6061-T6 aluminum alloy, Speedeck and Fastform panels are light enough to be handled manually by a single operative, while supporting hundreds of reuses and offering high scrap recycling value. The K100 and K120 systems feature large modular designs (with a standard 2400x600mm K100 panel weighing only 33 kg) that achieve assembly speeds of 90–110 m^2 per day per worker. The birch plywood facing can be used up to 60 times per side and is easily replaced on site, while the KITSEN extruded aluminum frame lasts for over 300 cycles. These verified technical parameters directly answer the practical questions that European contractors ask when comparing modular formwork with traditional timber or heavy steel systems.

Early-Stripping Systems That Meet European Standards

The early-stripping function is the technical centerpiece of the KITSEN slab systems exhibited at Bauma. TheKITSEN Fastform early-stripping support mechanism allows panels and filler beams to be dismantled quickly while leaving the props in place to support the concrete as it cures. This sequence enables construction crews to complete a floor cycle in just 4 to 5 days.

The system design relies on streamlined, modular basic components—panels, crowns, filler beams, and props—keeping assembly intuitive and reducing crew training time. With a safe working load capacity of 13.75 kN/m^2 and allowable concrete thickness up to 300 mm, Fastform offers structural reliability alongside fast turnaround. By eliminating the need for full-height prop removal during early stripping, the system frees up working space on the floors below for material handling and logistics.

Industry Expertise and 30 Years of Manufacturing Excellence

Behind the products on the Bauma floor stands a manufacturing base that supports the Top Formwork Manufacturer claim. KITSEN has been certified to ISO9001, TUV/GS, and IIW international welding standards, backed by robust R&D expertise and strict quality control programs. The aluminum frames are manufactured from 6061-T6 alloy, and the plywood panels use AA-grade birch plywood with high-durability phenolic glue, engineered for superior water resistance, long-term weatherability, and high abrasion resistance.

The industry standing behind the brand was reinforced at the 139th Canton Fair, where KITSEN celebrated 30 years in the formwork and scaffolding industry. Operating four manufacturing bases with a total area of 380,000 square meters and employing 1,200 people, including 200 engineers, the company presents itself at Bauma not as an exhibitor of isolated products but as a full-scale manufacturer whose modular formwork systems are engineered, produced, and tested under one roof. The in-house testing program covers load testing for frames, props, and tie rods, surface quality inspections, and third-party testing options through SGS and TUV, giving European buyers a documented quality trail for each shipment.

Early-Stripping Formwork vs Traditional Timber Formwork

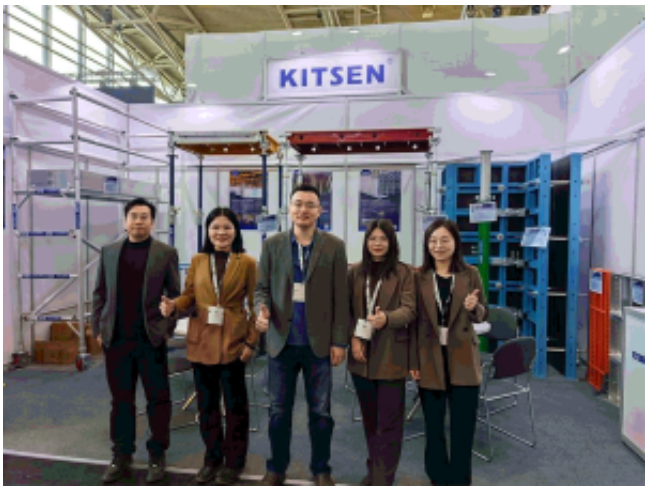
The combination of Speedeck, Fastform, and K100/K120 wall and column systems ensures a fast floor cycle of 4 to 5 days with frames reusable for over 300 pours, drastically accelerating construction schedules compared to traditional timber formwork that is stripped only after full concrete curing and discarded after limited uses. The high-strength aluminum alloy frames absorb heavy concrete pressure while maintaining a low unit weight, and the smooth finished concrete surface eliminates the need for extensive secondary plastering, delivering measurable labor and material savings.

Conclusion

KITSEN showcased its advanced modular formwork innovation at Bauma Germany, focusing on the Speedeck modular slab system, Fastform early-stripping slab formwork, and K100 / K120 efficient wall and column formwork. The portfolio demonstrates the lightweight, high-strength, and high-reuse capability that has built the company's reputation over its 30 years in the industry. Backed by international quality certifications, European-standard testing, and a full-scale manufacturing base in China, KITSEN positions its modular formwork range as an ideal solution to the efficiency demands of the German and European construction markets through a sustained global exhibition presence.

More information regarding KITSEN formwork systems and product specifications is available on 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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