

Burt Machinery Showcases China Custom Maize Processing Plant Solutions at Zambia's 97th Agricultural and Commercial Show



Hanzhong, Shaanxi Aug 7, 2026 ([Issuewire.com](https://www.issuewire.com)) - Burt Machinery Presents Custom Maize Processing Solutions in Zambia

The agricultural processing sector faces a continuous challenge: connecting raw grain with stable, marketable products requires more than generic milling equipment. It requires complete systems that account for local storage, power stability, facility limitations, and targeted output quality. In 2025, Burt Machinery participated in Zambia's 97th Agricultural And Commercial Show, presenting a comprehensive range of equipment designed to address these exact operational demands. As a recognized [China Custom Maize Processing Plant Supplier](#), the company utilized the event to bridge the gap between technical manufacturing capabilities and the practical needs of regional grain processing enterprises, investment groups, and project teams.

The exhibition served as a direct technical communication platform rather than a simple product display.

By focusing on the complete maize processing workflow, the conversations centered on actual production capacity, engineering configurations, and project delivery requirements. For instance, the automated **100 to 200 tons per day** production line was detailed as a modular foundation, covering raw material storage, cleaning, dampening, peeling, degerming, milling, packing, and stacking. This approach allowed attendees to evaluate how a complete process chain could be integrated into their specific business models, shifting the discussion from isolated machinery to fully operational plant solutions. This level of technical engagement ensured that the consultation was rooted in practical applications, preventing the dialogue from remaining at the level of basic equipment introductions and instead moving toward comprehensive plant design.

The Showcase Focuses on Capacity, Site Conditions, And Finished Products

Securing the right equipment involves translating broad business goals into specific technical parameters. The direct value of the consultation provided at the exhibition was the ability to convert daily production targets, local electricity conditions, workshop dimensions, and desired end products into a dedicated project configuration. Before generating a quotation, [Burt Machinery](#) collects detailed information regarding required capacity, flour fineness, available facility size, and local voltage standards. This methodical requirement gathering enabled the exhibition dialogue to quickly advance into matching equipment scale, process routes, and utility engineering, providing a reliable data basis for equipment selection.

To accommodate different regional profiles, the equipment line from **5 to 50 tons per 24 hours** is structured to align with varying local power grids and climate conditions. This series is segmented into distinct operational tiers, such as 5 to 10 tons, 20 to 30 tons, and the 50 tons per 24 hours capacity, allowing project managers to accurately compare finished product types, site footprints, and capital investment requirements. Whether the market demand is for maize meal, fine maize flour, or specific grades of maize grits, the technical consultation prioritized project inputs and configuration differences. This focus ensured that the exhibition discussions translated into actionable engineering specifications and precise procurement standards. By analyzing the exact constraints of the operating environment, buyers can make informed decisions that prevent costly post-installation modifications.

Modular Processing Connects Raw Maize with Packed Market Products

Effective grain milling relies on a continuous, controlled material flow. Burt Machinery's maize processing solutions connect raw material storage and preparation with degerming, milling, sifting, and final packaging. This modular approach ensures that the production line operates as an integrated system rather than a collection of standalone machines. For large-scale operations, the 100 to 200 tons per day production line can utilize either silos or warehouse storage for raw materials, sequentially executing the cleaning, dampening, peeling or germ extraction, milling, packing, and stacking phases.

A similar integrated methodology is applied to the 50 tons per day configuration, which incorporates vibrating screens, destoners, magnetic separation units, degerming equipment, roller mills, sifting machinery, and automated packing units. By placing impurity control, product processing, and finished goods output within a single continuous workflow, the equipment maintains consistent product quality while optimizing operational efficiency. This modular material flow clearly explained the equipment composition and process relationships of the customized production lines, providing attendees with a transparent view of how raw maize is transformed into market-ready packaged goods without the operational bottlenecks common in piecemeal setups. Connecting these stages minimizes material waste and ensures that the final product meets strict commercial standards.

Different Capacity Tiers Support Different Investment and Layout Conditions

Selecting a milling plant requires matching the equipment scale to the available infrastructure and investment budget. Different capacity tiers necessitate distinct facility layouts, power requirements, equipment combinations, and operational organizations. A small-scale 5 to 10 tons per 24 hours system involves different investment and operating conditions compared to a fully automated 100 to 200 tons per day production line. The 5 to 50 tons per 24 hours series offers specific configurations for 5 to 10 tons, 20 to 30 tons, and 50 tons per 24 hours, consistently utilizing cleaning, peeling, milling, and packaging as the core operational sections for commercial milling.

For larger industrial applications, the 100 to 200 tons per day series provides multiple high-capacity options, engineering the plant layout based on the client's specific raw materials, desired finished products, site dimensions, and production targets. By maintaining strict configuration boundaries for capacity, layout, and process flow, the equipment parameters offer project teams a precise foundation for comparing different investment levels. This structured tier system ensures that facility planning and project design are firmly tied to concrete operational requirements rather than generic estimates, giving investors authoritative benchmarks for evaluating plant implementation and long-term viability. It transforms an ambiguous procurement process into a structured, data-driven investment decision.

Turnkey Support Extends the Event Conversation into Project Delivery

Procuring industrial milling equipment is a long-term commitment that extends well beyond the initial point of sale. Burt Machinery extends the technical communication initiated at the exhibition into a complete lifecycle of services, including feasibility analysis, layout planning, equipment selection, manufacturing, installation, training, commissioning, and after-sales support. The complete project workflow begins with a thorough assessment of the investment and site conditions, ensuring that the proposed solution is structurally and economically viable for the local processing environment.

Following the manufacturing phase, this support continues through equipment installation, operator training, and production line commissioning, ensuring that the initial consultation materializes into a successfully delivered project. Prior to delivery, the machinery undergoes rigorous testing and adjustment to verify its operational integrity. The provision of overseas engineer installation and worker training services further assists project teams in preparing their facilities for full-scale production. This continuous chain of engineering and service support ensures that the value discussed during the exhibition is fully realized in the final operational plant, transforming equipment procurement into comprehensive project assurance.

The Zambia Showcase Links Maize Technology with Requirements-Led Consultation

The exhibition in Zambia enabled Burt Machinery to engage with regional project developers in detailed discussions regarding customized maize processing lines, focusing heavily on capacity, finished product combinations, site conditions, and delivery support. These tailored solutions, built upon complete process flows, varying capacity tiers, and site-specific adaptations, assist project teams in translating their investment objectives into comparable equipment and service scopes. Following the event, project stakeholders can continue to submit technical requirements, review current product categories, and advance their engineering consultations and solution planning through <https://www.burtmachinery.com/>. By linking advanced milling technology with a requirements-led consultation process, the company provides a structured pathway for developing reliable and efficient grain processing facilities.



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Source : Hanzhong Burt Machinery Equipment Co., Ltd.

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