Automatic Cup Filling and Sealing Machine Factory from China GCPACK Showcases Smart Automation Solutions at ProPak Asia



Shantou, Guangdong Nov 9, 2026 (Issuewire.com) - ProPak Asia and the Demand for Mid-Scale Packaging Automation

ProPak Asia, held annually in Bangkok, has long served as a barometer for packaging automation adoption across the Asia-Pacific food and beverage sector. Each edition draws increasing attention to cup-format filling solutions as single-serve dairy, ready-to-eat desserts, and portioned condiments continue expanding shelf presence in regional retail channels. For mid-sized producers looking to step

beyond manual or semi-automatic cup packaging, the exhibition floor offers a concentrated view of what is available—and at what scale.

At this event, GCPACK (Shantou Guocheng Machinery Co., Ltd.,) presented its lineup of cup filling and sealing equipment as an automatic cup filling and sealing machine factory based in Shantou, China. The company occupies a manufacturing facility exceeding 20,000 square meters and is equipped with advanced CNC machining centers and modern production infrastructure. Rather than pitching oversized turnkey mega-lines, GCPACK positioned its booth around a practical proposition: scalable, servo-driven cup filling systems that match the throughput reality of regional producers stepping into automation for the first time or upgrading existing processes.

The exhibition provided a hands-on look at how the company's GF series machines translate engineering specifications into repeatable, hygienic packaging cycles—an approach that resonated with visitors from Thailand, Vietnam, the Philippines, Indonesia, and other ASEAN markets where cup-format products in dairy, desserts, sauces, juice, water, beverage and personal care are growing steadily.

GF Series Machines: Production Line Logic on Display

GCPACK brought several configurations from its GF series to the show floor, spanning models GF-3 through GF-8. These designations correspond to the number of filling heads per cycle, yielding rated outputs from approximately 1,800 cups per hour at the compact end up to roughly 9,600 cups per hour for the eight-head variant. The range allows buyers to select a machine scaled to current demand while retaining the option to add capacity later through higher-head-count models sharing the same control architecture.

Each machine follows a continuous action chain that proceeds through clearly defined stations. Pre-formed cups are loaded into the cup-drop mechanism, which places them into mold plates advancing on a linear or rotary index. Servo-driven piston fillers then dispense product into each cup with volumetric precision. After filling, a sealing station applies film or foil lids using independently floating heat-seal heads—a design choice that compensates for minor variations in cup rim height and ensures consistent seal integrity across every lane.

Beyond the standard pre-formed cup machines, GCPACK also displayed a thermoforming-fill-seal integrated unit. This configuration starts from a roll of plastic sheet, thermoforms cups inline, fills them, seals with lidding film, and cuts the finished packs—all within one frame. For producers packaging items like yogurt, water, jelly, or pudding at higher volumes, this approach reduces per-unit material cost and eliminates the logistics of sourcing and storing pre-formed cups. Waste film generated during the trimming stage feeds into an automatic scrap-winding system for recycling or disposal, keeping the production area clean.

Verifiable Smart Automation Features

GCPACK's booth staff—several of whom were engineers from the Shantou factory—walked visitors through concrete automation features that distinguish the GF series from basic pneumatic fillers still common in the region.

A no-cup-no-fill detection system uses photoelectric sensors at the filling station. If a mold pocket arrives empty—due to a cup-drop jam or depletion—the corresponding piston does not dispense, preventing product waste and downstream contamination of the sealing area. Safety door interlocks cut servo

power when access panels open, meeting standard machine safety expectations aligned with CE marking requirements.

For dairy and sauce applications where hygiene protocols demand regular washdown, the machines incorporate CIP-ready filler assemblies. Stainless steel product-contact components disassemble quickly, and piping connections accept clean-in-place fittings so that sanitizing fluid can circulate through filling valves without full disassembly. These are practical engineering details that plant managers and maintenance teams evaluate when comparing equipment from any automatic cup filling and sealing machine factory.

Multi-Category Adaptability and Compliance Credentials

The GF series accommodates this reality through modular tooling plates sized to different cup diameters and depths, combined with the recipe-based HMI system described above.

Product categories that Shantou Guocheng Machinery Co., Ltd. has supplied equipment for include fermented dairy, flavored milk, fruit jelly and pudding, chili sauce, tomato paste, honey, baby food puree, and daily chemical liquids such as shampoo and lotion. The breadth reflects a filling platform engineered around viscosity range and particulate tolerance rather than a single commodity.

All product-contact surfaces are fabricated from SUS304 stainless steel, a baseline material specification for food-grade equipment. GCPACK holds CE certification for its exported machines and maintains a portfolio of patent certificates covering mechanical innovations in sealing head design and cup indexing mechanisms. These credentials matter in markets where importers must present compliance documentation to local food safety authorities before commissioning new packaging lines.

The cup filling and sealing machine factory also supplies ancillary modules—date coders, cap applicators for foil-sealed cups requiring overcaps, and automatic tray loaders—so that buyers can assemble a complete downstream section from a single supplier, simplifying after-sales coordination.

A Practical Path to Mid-Volume Line Automation

The machines GCPACK exhibited at ProPak Asia reflect a specific market segment: producers operating between 2,000 and 10,000 cups per hour who need dependable automation without the capital outlay or floor space demands of high-speed rotary systems designed for multinational-scale output. This middle ground represents a large share of food and beverage manufacturers across ASEAN, South Asia, the Middle East, and Africa—regions where GCPACK reports active installed bases.

Shantou Guocheng Machinery Co., Ltd. supports international customers with factory acceptance testing, remote commissioning guidance, and spare parts logistics from its Shantou headquarters. The engineering team provides line layout consultation to help buyers integrate cup fillers with upstream mixing systems and downstream case packers, addressing the full workflow rather than selling isolated units.

For procurement managers, engineers, or business owners evaluating an automatic cup filling and sealing machine for upcoming capacity projects, the GF series specifications, video demonstrations, and technical data sheets are accessible on the company's official website. Inquiries regarding line configuration, cup tooling compatibility, or lead times can be submitted directly through the site's contact portal.

Please visit the official GCPACK website for detailed product information and consultation: https://www.guochengmachine.com/



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Source : Shantou Guocheng Machinery CO.,Ltd.

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