

WELLBING
TECHNOLOGIES

Wellbing Technologies, located in Sharjah-UAE, is a dedicated turnkey project provider for complete water, juice and beverage production lines.

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Wellbing Technologies, located in Sharjah, UAE, is a dedicated turnkey project provider for various water, juice and beverage manufacturers. Based on the conception of "Best Never Rest" Wellbing grows to excellence by providing custom-ers with the best machinery, design and services to fully meet the customer's requirements.

Our leading business covers water treatment, PET bottled drinking water production line, 5 gallon drinking water production line, cupped drinking water production line, carbonated drinks production line, and juice production line, etc.

Over the years, We have successfully served so many premium customers in the Middle East and Africa and gained a proud and strong position in the market.

We will constantly enhance our innovation on machinery and services to create benefits to her valued customers. Our step to perfection simply can never rest!

1 Water Treatment System



Product Presentation

Our water treatment solutions are engineered to deliver consistent, high-quality water for a wide range of applications, including drinking water, mineral water, boiler feedwater, food and beverage process water, medical-grade water, and high-purity water for electronics manufacturing.

The system incorporates a comprehensive treatment process featuring multi-stage pretreatment, advanced membrane separation technologies (UF, NF, and RO), and reliable sterilization using UV and ozone to ensure optimal water quality and safety.

All components are sourced from internationally recognized and trusted brands, ensuring durability, performance, and long-term reliability. A fully automated central control system enables seamless operation, with automatic start and stop functions based on product tank levels. The system integrates effortlessly with bottling and production lines, supporting continuous and efficient operations.

Key Advantages:

- ◆ Suitable for a wide range of industrial and high-purity water applications
- ◆ Multi-stage pretreatment and advanced membrane filtration (UF / NF / RO)
- ◆ UV and ozone sterilization for enhanced water safety
- ◆ High-quality components from global brands
- ◆ Fully automated control with intelligent level-based operation
- ◆ Seamless integration with bottling and production lines

2 Juice & CSD Processing System



Product Presentation

Our Juice & Carbonated Soft Drink (CSD) Processing System is a fully integrated, high-efficiency solution designed for consistent, hygienic, and scalable beverage production. Built with premium stainless steel and advanced automation, this system ensures superior product quality while optimizing operational efficiency.

Key Features

- ◆ Food-Grade Stainless Steel Construction (SS304/SS316): Ensures maximum hygiene, corrosion resistance, and long service life.
- ◆ Modular & Scalable Design: Easily adaptable to small, medium, or large production capacities.
- ◆ Precise Blending & Mixing: Accurate control of juice concentrates, sugar syrup, water, and additives for uniform taste and quality.
- ◆ Advanced Carbonation Control (for CSD): Stable CO₂ dissolution for consistent carbonation and mouthfeel.
- ◆ Automated Operation: PLC/HMI-based control system for precise process monitoring, reduced manual intervention, and repeatable results.
- ◆ Efficient CIP System: Integrated Clean-in-Place ensures fast, thorough cleaning with minimal downtime.
- ◆ Energy & Water Efficient: Optimized process flow reduces utility consumption and operating costs.

Applications

- ◆ Fruit juices and juice-based beverages
- ◆ Carbonated soft drinks (CSD)
- ◆ Flavored waters and functional drinks

Benefits

- ◆ Consistent product quality and taste
- ◆ High production reliability and safety
- ◆ Reduced contamination risk
- ◆ Easy maintenance and operation
- ◆ Compliance with international food and beverage standards

Designed for beverage manufacturers who demand performance, reliability, and flexibility, our Juice & CSD Processing System delivers a future-ready solution for modern production facilities.

3 PET Water, Juice, CSD Filler



Product Presentation

The PET Water, Juice & CSD Filling Machine is a high-performance, fully automated solution designed for hygienic, efficient, and precise filling of still water, juice, and carbonated soft drinks in PET bottles. Engineered to meet international food and beverage standards, this system delivers consistent filling accuracy, high output efficiency, and reliable long-term operation.

Constructed entirely from food-grade stainless steel, the machine ensures superior corrosion resistance, easy cleaning, and compliance with stringent hygiene requirements. Its enclosed structure with transparent safety doors provides a clean operating environment while allowing clear visual inspection during production.

The integrated rinser-filler-capper monoblock design enables smooth bottle transfer, reduced footprint, and synchronized operation. Advanced filling valves ensure precise liquid control, minimizing product loss and maintaining uniform fill levels. For carbonated beverages, the system is optimized to preserve carbonation while ensuring stable and splash-free filling.

A PLC-based control system with intuitive touch-screen HMI allows operators to easily monitor production parameters, adjust settings, and perform quick changeovers for different bottle sizes and product types. Automated fault detection, alarms, and safety interlocks enhance operational reliability and operator safety.

Designed for flexibility and scalability, the PET filling machine supports a wide range of bottle volumes and production capacities, making it suitable for both medium- and high-speed bottling lines.

Key Features

- ◆ Suitable for PET bottled water, juice, and carbonated soft drinks
- ◆ Fully automatic rinser-filler-capper monoblock system
- ◆ High-precision filling valves for accurate and consistent fill levels
- ◆ Food-grade stainless steel construction for maximum hygiene
- ◆ Enclosed design with safety interlocks and visual access panels
- ◆ PLC control with user-friendly touch-screen interface
- ◆ Quick changeover for different bottle sizes and products
- ◆ Low maintenance, energy-efficient, and reliable operation

Applications

- ◆ Bottled drinking and mineral water
- ◆ Fruit juice and juice-based beverages
- ◆ Carbonated soft drinks (CSD)
- ◆ Food-grade liquid packaging

The Wellbing Technologies PET Water, Juice & CSD Filling Machine combines hygiene, efficiency, and precision to deliver dependable performance and premium product quality, making it an ideal choice for modern beverage bottling facilities.

4 Water, Juice & CSD Combi Block System



Product Presentation

Water, Juice & CSD Combi Block System
Integrated Filling Solution for Multi-Beverage Production

The Water, Juice & CSD Combi Block System is a fully integrated, high-performance solution designed for efficient and hygienic production of bottled water, juices, and carbonated soft drinks (CSD). Combining rinsing, filling, and capping operations into a single compact block, the system ensures high output, product safety, and operational flexibility.

Key Features

- ◆ Multi-Product Capability: Suitable for still water, juice (with or without pulp), and carbonated soft drinks.
- ◆ Integrated Combi Block Design: Rinsing, filling, and capping units integrated into one system for reduced footprint and improved efficiency.
- ◆ High Hygienic Standards: Stainless steel construction, food-grade materials, and CIP/SIP compatibility ensure maximum hygiene.
- ◆ Advanced Filling Technology: Precise level control and minimal product loss for consistent filling quality.
- ◆ Quick Changeover: Designed for easy and fast product and bottle size changeover.
- ◆ Energy & Water Efficient: Optimized consumption to reduce operational costs.
- ◆ Automation & Control: PLC-based control system with user-friendly HMI for easy operation and monitoring.

- ◆ Premium Components: The machine is equipped with electrical and mechanical components from leading international brands, ensuring high reliability, long service life, and consistent performance.

Applications

- ◆ Bottled drinking water
- ◆ Still and hot-filled juices
- ◆ Carbonated soft drinks (CSD)
- ◆ Flavored water and functional beverages

Benefits

- ◆ High production efficiency and reliability
- ◆ Consistent product quality
- ◆ Reduced downtime and maintenance
- ◆ Compact layout with optimized workflow
- ◆ Scalable design for future capacity expansion

Ideal for medium to large-scale beverage manufacturers seeking a versatile, reliable, and cost-effective filling solution for multiple beverage types within a single production line.

5 Glass Bottle Filler for Water, Juice & Carbonated Soft Drinks (CSD)



Product Presentation

The Wellbing Technologies Glass Bottle Filler is a high-performance, fully automatic filling machine designed to handle water, juice, and carbonated soft drinks (CSD) with precision and efficiency. Engineered for reliability, hygiene, and high-speed operation, this system ensures consistent product quality while minimizing downtime.

Key Features

- ◆ Multi-Product Capability: Suitable for filling water, juices, and carbonated beverages in glass bottles.
- ◆ High-Speed Automatic Operation: Advanced rotary filling system enables continuous production with minimal human intervention.
- ◆ Precision Filling: Accurate volumetric and level control ensures uniform fill while preventing spillage and foam formation in carbonated drinks.
- ◆ Hygienic Design: Stainless steel construction with easy-to-clean surfaces ensures compliance with strict food and beverage safety standards.
- ◆ Integrated Control Panel: User-friendly touchscreen interface for easy operation, monitoring, and parameter adjustments.
- ◆ Compact & Durable: Designed for long-lasting performance in industrial environments while optimizing factory floor space.

Applications

Ideal for beverage manufacturers producing bottled water, fresh juices, flavored drinks, and carbonated soft drinks, the Wellbing Glass Bottle Filler supports high-output lines without compromising product quality or hygiene standards.

Technical Options

Adjustable bottle sizes
Customizable filling speed
CIP (Clean-in-Place) system compatibility

6 High-Efficiency Automated Conveyor System



Product Presentation

Automate Conveyor System

Our state-of-the-art Automated Conveyor System is engineered to deliver stable, efficient, and uninterrupted product flow across modern production lines. Designed with precision control and intelligent synchronization, the system ensures smooth conveying of bottles and containers while maximizing line efficiency and minimizing downtime.

The conveyor system utilizes synchronous chasing control between the conveying belts and the main drive motors, ensuring stable bottle movement in perfect alignment with production equipment. This advanced control mechanism maintains products in optimal condition during transport, preventing falling, blocking, or jamming—even at high operating speeds.

To further enhance operational efficiency, an integrated accumulation (cushion) platform can be installed before the labeling machine. During label changeovers, the filling machine can continue operating without interruption, while filled products are temporarily stored on the accumulation platform. Once labeling adjustments are completed, the system automatically releases the accumulated products at high speed, allowing the labeling machine to rapidly recover normal production output without product loss or line stoppages.

Key Features

- ◆ **Advanced Modular Design:** Flexible layout accommodates complex production requirements and allows easy expansion or reconfiguration
- ◆ **Stable and Synchronized Conveying:** Intelligent chasing control ensures smooth, non-falling, non-blocking, and non-jamming bottle transport
- ◆ **High-Speed Operation:** Optimized belt and roller systems enable rapid and consistent product movement across multiple production stages
- ◆ **Durable Construction:** Manufactured from high-quality stainless steel and industrial-grade components for long-term reliability
- ◆ **Integrated Automation:** Fully compatible with filling, labeling, packing, and inspection equipment for complete line automation
- ◆ **Energy Efficient:** Engineered to reduce power consumption while maintaining peak performance
- ◆ **Safety & Reliability:** Equipped with safety guards, emergency stop systems, and anti-slip mechanisms to protect products and operators

Applications

Ideal for beverage, food, pharmaceutical, and consumer goods industries, this conveyor system is designed to handle high-volume production with precision, stability, and efficiency. Optimize your production workflow with our High-Efficiency Automated Conveyor System, delivering seamless product flow, reduced downtime, and reliable performance for modern manufacturing environments.

7 Can Filling & Seaming Machine



Product Presentation

This high-performance automatic rotary can filler and seamer is designed for hygienic, efficient, and high-speed beverage packaging in aluminum cans. Engineered for continuous operation, the system combines precise filling with reliable double seaming to ensure consistent product quality and leak-proof sealing.

Key Features

- ◆ High-Speed Rotary Design – Multiple filling and seaming heads enable smooth, continuous production with high output rates.
- ◆ Precision Filling System – Accurate volumetric control ensures uniform fill levels while minimizing product loss.
- ◆ Reliable Double Seaming – Strong, secure sealing preserves product freshness and carbonation.
- ◆ Food-Grade Stainless Steel Construction – Ensures superior hygiene, corrosion resistance, and easy cleaning.
- ◆ Gentle Can Handling – Reduces foaming and prevents can deformation.
- ◆ User-Friendly Operation – Intuitive controls with easy access for maintenance and quick changeovers.

Applications

Suitable for carbonated and non-carbonated beverages, including soft drinks, energy drinks, juices, flavored water, and beer.

Key Benefits

- ◆ Consistent product quality and extended shelf life
- ◆ Reduced downtime and maintenance requirements
- ◆ High efficiency for medium to large-scale production lines

8

Bopp Hot Glue Labeler

**Product Presentation**

The labeling machines from Wellbing Technologies feature an ergonomic frame with integrated safety guards, ensuring full operator accessibility for all maintenance and changeover operations while maintaining the highest safety standards.

The labeling machines from Wellbing Technologies feature an ergonomic frame with integrated safety guards, ensuring full operator accessibility for all maintenance and changeover operations while maintaining the highest safety standards.

Special emphasis is placed on the flexibility of both rotary and linear labeling systems, which are increasingly demanded by end users. High-speed labeling capability is achieved through continuous research and the application of innovative materials and state-of-the-art technologies, ensuring reliable performance even in mass-production environments.

A key strength of Wellbing labeling machines lies in their advanced electronic and automation systems. Developed and integrated in-house, these systems manage overall machine operation and ensure precise control through PLC, servo motors, inverters, electronic control cards, and intuitive operator panels. Automated adjustments and controls significantly enhance efficiency, accuracy, and ease of operation.

The labeling machines from Wellbing Technologies feature an ergonomic frame with integrated safety guards, ensuring full operator accessibility for all maintenance and changeover operations while maintaining the highest safety standards.

To further enhance versatility, the machines are equipped with photocells, sensors, and optional vision inspection systems, enabling consistent labeling performance even for complex and customized applications.

In line with modern sustainability standards, Wellbing Technologies places strong focus on energy efficiency, environmental protection, and workplace safety. The labeling systems are designed to comply with current regulations while optimizing energy consumption and ensuring safe, eco-friendly operation.

9 5 Gallon Filling Production Line



Product Presentation

The 5 Gallon Filling Production Line is a compact, fully integrated system combining rinsing, filling, and capping in a single unit. Constructed from corrosion-resistant stainless steel, it ensures long service life, hygienic operation, and easy maintenance.

The line features internationally branded electrical and pneumatic components, Nanfang water pumps (optional Grundfos), and U.S. Spraying Systems nozzles for efficient and reliable performance. Optional configurations include automatic decappers, leakage inspectors, external washers, cap loaders, and shrink labelers, allowing customization to meet specific production requirements.

10 Automatic Wrap Around Case Packing Machine



Product Presentation

Our Automatic Wrap Case Packing Machine is engineered for precision, efficiency, and reliability in high-speed packaging operations. Designed to streamline your production line, this machine ensures bottles are neatly arranged and securely packed with minimal manual intervention.

Key Features & Operation

- ◆ Conveyor System: Organizes bottles in perfect order for seamless packing.
- ◆ Cardboard Loading: Cardboards are automatically fed into the machine for continuous operation.
- ◆ Packing Process: Bottles are placed on the packing sheet and a powerful cylinder creates suction to shape the carton around the bottles.
- ◆ Sealing: Formed cartons are conveyed to the hot melt glue applicator to complete the packing process efficiently and securely.

Technical Specifications & Components:

- ◆ Microprocessor Unit: Mitsubishi FX series
- ◆ Electrical Appliances: Taiwan system
- ◆ Electrical Components: High-quality Japanese series
- ◆ Display: CERMATE Liquid Crystal Display
- ◆ Cylinder: UNIMEC
- ◆ Solenoid Valve: PARKER
- ◆ Motor & Pulley Reduction Gear: U-CAN or REXMAC
- ◆ Hot Melt Glue Applicator: NORDSON (USA)
- ◆ Vacuum Producer: SAV-SDI/4
- ◆ Conveyor Net: UNI series
- ◆ Servo Motor Driving Index: Taiwan series
- ◆ Machine Frame: SS41 square pipe, precision welded
- ◆ Mechanical Parts: Laser-cut and accurately finished with serial numbering
- ◆ Finish: Durable epoxy powder coating with customizable color options

This machine combines robust mechanical engineering with advanced electronic control systems to ensure consistent, high-quality packaging. Ideal for beverage, pharmaceutical, and consumer goods industries, it enhances productivity while maintaining safety and reliability.

12 Automatic Linear blow Molding Machine



Product Presentation

The fully electric system delivers high-speed, stable operation with precise positioning. Its optimized bottom mold connection ensures accurate preform forming while allowing higher production capacity within a compact machine footprint.

Intelligent and Efficient Production Performance This advanced automatic production system significantly minimizes manual intervention. Intelligent design features enable continuous, uninterrupted operation, supported by multiple safety protections for smooth preform infeed. Efficient transfer and heating systems further enhance productivity while reducing energy consumption and environmental impact.

High-Efficiency Heating System (Up to 20% Improvement) Equipped with enhanced high-power heating lamps, the system achieves up to 20% higher heating efficiency. Integrated cooling devices effectively prevent neck deformation, while the next-generation heating oven design allows quick and easy lamp replacement, minimizing downtime.

Easy Maintenance and Optimized Structure The spindle system adopts a right-side-up heating design, featuring fewer moving parts compared to traditional flip-type structures. This reduces the risk of

component failure and machine downtime. The optimized machine layout allows easier maintenance, significantly lowering spare parts replacement and service costs.

Reduced Production Costs

An upgraded air recovery system reduces gas consumption by up to 50% compared to previous-generation models. Combined with improved heating efficiency, overall electricity consumption is reduced by approximately 30%, resulting in substantially lower operating and production costs.

13 Automatic Palletizer System



Product Presentation

Designed for efficiency, reliability, and space optimization, this automatic palletizer is ideal for handling carton and shrink-wrapped products across a wide range of packaging applications. The system adopts a space-saving side-feeding design, allowing cartons or shrink-wrapped packages to be fed from the side. This configuration reduces conveyor length requirements, simplifies the transport system, and can save up to 50% in robot or handling costs.

The palletizer features an advanced layer-type palletizing structure, ensuring stable pallet formation with smooth operation and low power consumption. Its optimized design guarantees consistent performance, making it suitable for continuous, high-efficiency production environments.

Fully automated and powered by a PLC control system with frequency inverters, the machine precisely manages case transfer, arrangement, palletizing, pallet unloading, and solid pallet push-out operations. Palletizing formats and adjustment parameters can be easily configured through the user-friendly touch-screen interface, eliminating the need for part changes during format changeovers

and significantly reducing downtime.

To ensure operational reliability and workplace safety, the system is equipped with high-security protection mechanisms, including powerful diagnostic functions, malfunction alarms, and comprehensive safety guards. These features provide enhanced operator protection while maintaining uninterrupted production.

14 Shrink wrapping Machine



Product Presentation

Engineered for efficiency and operator convenience, this shrink wrapping system features a robust and ergonomic design, ensuring full accessibility and ease of use. Its flexible configuration accommodates a wide range of packaging sizes and production requirements, making it ideal for diverse industrial applications.

Integrated with advanced electronic systems, PLC controls, and precision sensors, the machine guarantees reliable and consistent performance even at high speeds. Designed with sustainability in mind, it meets environmental and energy-saving standards, supporting efficient and eco-friendly production processes.

Product Presentation

- ◆ Ergonomic and operator-friendly design for easy access
- ◆ Flexible configurations to handle various packaging formats
- ◆ High-speed, reliable operation with PLC control and precision sensors
- ◆ Energy-efficient and environmentally compliant for sustainable production

15 Visual Inspection System



Product Presentation

Intelligent Quality Control for Bottled Beverage Lines The Visual Inspection System is an advanced, high-speed quality control solution designed to automatically detect defects in bottles and packaging during production. Integrated seamlessly into beverage filling and packaging lines, this system ensures only compliant products reach the market, enhancing product safety, brand reputation, and operational efficiency.

Powered by high-precision industrial cameras and intelligent vision algorithms, the system performs real-time inspection of bottles as they move through the conveyor, identifying defects with exceptional accuracy and consistency.

Key Inspection Capabilities

- ◆ Bottle Presence & Position Detection
- ◆ Cap Presence, Alignment & Color Verification
- ◆ Fill Level Inspection
- ◆ Label Presence, Position & Print Verification
- ◆ Foreign Object Detection (where applicable)

Non-conforming products are automatically rejected, ensuring uninterrupted and reliable production flow.

Key Features

- ◆ **High-Speed Machine Vision Technology**
Suitable for medium to high-speed bottling lines without compromising accuracy.
- ◆ **Intelligent Image Processing Software**
Advanced algorithms deliver precise defect detection with minimal false rejects.
- ◆ **Seamless Line Integration**
Easily integrates with existing conveyors, fillers, cappers, and labeling machines.
- ◆ **User-Friendly Touchscreen HMI**
Intuitive interface for real-time monitoring, parameter adjustment, and fault diagnostics.
- ◆ **Robust Industrial Design**
production environments.
- ◆ **Data Logging & Traceability (Optional)**
Supports production data recording, quality statistics, and system diagnostics.

Benefits

- ◆ Ensures consistent product quality
- ◆ Reduces manual inspection and labor costs
- ◆ Minimizes customer complaints and recalls
- ◆ Improves production efficiency and compliance with quality standards

Applications

- ◆ Drinking water bottling
- ◆ Juice and soft drink production
- ◆ Dairy beverages
- ◆ Edible oil and liquid food packaging

