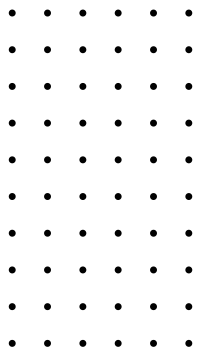
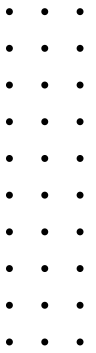




# TIMES AUTOMATION PVT. LTD.

An ISO 9001:2015 Certified Company



## PRODUCT CATALOG

[www.timesautomation.com](http://www.timesautomation.com)



## GROWTH THROUGH INNOVATION

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M/s Times Automation Pvt. Ltd. designs, manufactures, installs and provides turnkey solutions for handling bulk raw material from storing, conveying and dosing everything for food, pharma and other industries. We provide both completely automated and semi automated solutions. We also have heavy engineering division to cover large customised jobs for our clients.

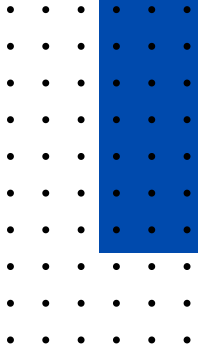
From project planning ,finalising designs, suggesting solutions, manufacturing, logistics, commissioning to customer service we have got you all covered at Times Automation.

We are solution providers in this reckless race of system providers, this is what sets us apart. Providing Quality solutions to clients is the mantra we stand by.



## WHAT WE CREATE

- Storage Solutions:** Stainless Steel Silos (Outdoor and indoor )of varied sizes for storing various raw materials.
- Conveying :** Penumatic and mechanical conveying systems along with sifting, hopping and extration machines.
- Dosing:** Macro, minor and macro dosing systems.
- Automation:** Complete automation solution comprising of PLCs with HMIs and Electric Panels
- Flagship Systems:** Flour Handling , Invert Syrup Preparation, Sugar Solution Preparation, Crystal and Powder Sugar Handling , Fat Management System and Broken Biscuit Grinding Systems, Chemical Handling system, Sugar Grinder, Pre creamer, Fat Melter, Ribbon Blender
- Heavy Engineering Division:** Custom fabricated products as per client needs



# FLOUR HANDLING SYSTEM

Flour Handling System is meticulously crafted for unloading, sieving, weighing, and seamlessly conveying flour to mixers, adjusting quantities based on batch sizes.

Tailored for the biscuit, bread and rusk industries, as well as diverse food production, our system ensures unparalleled reliability, stringent hygiene standards, effective dust control, and batch consistency. With precision weighing and automation, our system not only guarantees top-notch performance but also delivers substantial savings in management costs.

## ADVANTAGES

- ✓ **Quality Assurance:** Maintains consistent flour characteristics, minimizing contamination risks for enhanced product quality.
- ✓ **Time Savings:** Speeds up production, meeting market demands more efficiently.
- ✓ **Safety:** Minimizes flour-related accidents, promoting a safer working environment.
- ✓ **Accuracy:** Dispenses flour precisely, minimizing errors and ensuring recipe adherence.



# CRYSTAL AND POWDER SUGAR AUTOMATION SYSTEM

Crystal and Powder Sugar Automation System is a comprehensive solution designed for the seamless handling of crystal and powder sugar in various industrial processes. This advanced system excels in key functions such as unloading, sieving, weighing, conveying, and dosing, ensuring precision and efficiency throughout your production cycle.

## ADVANTAGES

- ✓ **Enhanced Efficiency:** Streamlines the unloading process, minimizing handling time and optimizing overall operational efficiency.
- ✓ **Improved Product Quality:** Ensures the purity and quality of sugar through accurate sieving, eliminating impurities and enhancing the integrity of the final product.
- ✓ **Precision Formulation:** Utilizes advanced weighing technology to achieve accurate measurements, facilitating precise formulation & consistent adherence to recipes.
- ✓ **Operational Consistency:** Implements smooth conveying systems for controlled transport, while the dosing function ensures accurate dispensing, contributing to consistent product quality.



# INVERT SYRUP PREPARATION SYSTEM

Invert Syrup Preparation System is designed for the seamless automatic processing of syrup, dissolving sugar, filtering impurities, cooling, and storing the end product with precision. This system is ideal for various industries, ensuring efficiency and consistency in syrup production.

## ADVANTAGES

- ✓ **Efficient Dissolving Process:** The system facilitates a rapid and efficient sugar dissolution process, ensuring a smooth and uniform syrup consistency.
- ✓ **Effective Filtration Mechanism:** Incorporating advanced filtration technologies, it efficiently removes impurities, guaranteeing a high-quality and contaminant-free syrup.
- ✓ **Precision Cooling:** The automation system employs precise cooling mechanisms, maintaining optimal syrup temperature for flavor preservation and product stability.
- ✓ **Customization and Adaptability:** The system can be tailored to accommodate variations in syrup recipes, allowing for flexibility in production.



# SUGAR SOLUTION PREPARATION SYSTEM

Sugar Solution Preparation System is designed for the seamless automatic preparation dissolving sugar, filtering impurities, storing the end product and conveying with precision. This system is ideal for various industries, ensuring efficiency and consistency in solution production.

## ADVANTAGES

- ✓ **Quality Assurance:** Ensures the quality of sugar solutions through controlled processing conditions, maintaining consistency and purity.
- ✓ **Seamless Integration:** Integrates effortlessly into existing production setups, enhancing operational efficiency and adaptability.
- ✓ **Efficiency and Precision:** Optimizes production processes with efficient sugar solution handling and precise measurement, minimizing waste and ensuring accurate formulations.
- ✓ **Resource Optimization:** Maximizes resource utilization by minimizing energy consumption, reducing downtime, and enhancing overall system efficiency.



# PRECREAMER

High-Speed Precreamer is an advanced processing solution designed for the efficient handling of cream in industrial settings, ensuring seamless processing and transfer capabilities.

## ADVANTAGES

- ✓ **Accelerated Processing:** The High-Speed Precreamer expedites the cream processing phase, significantly reducing production time and enhancing overall efficiency.
- ✓ **Consistent Cream Quality:** Ensures uniform mixing and processing, maintaining the consistency and quality of the cream throughout the production cycle.
- ✓ **Enhanced Transfer Efficiency:** Facilitates swift and reliable transfer of cream from the processing stage to subsequent phases, minimizing downtime and optimizing workflow.
- ✓ **Precision and Control:** Equipped with advanced controls, the High-Speed Precreamer allows for precise adjustment of processing parameters, ensuring optimal cream characteristics and meeting specific production requirements.





# CHEMICAL HANDLING SYSTEM

Chemical Handling System is meticulously designed to cater to diverse industrial needs, featuring a range of components that ensure seamless chemical processing. From mobile storage to stirring to precise dosing

## ADVANTAGES

- ✓ **Versatile Chemical Processing:** Our system is adaptable to various chemical processes, offering versatility to meet diverse industrial requirements.
- ✓ **Efficient Stirring Mechanisms:** Engineered with efficient stirring components, our system ensures thorough mixing, promoting homogeneity and enhancing the quality of chemical formulations.
- ✓ **Mobile Storage Solutions:** Incorporating mobile storage options, our system provides flexibility in transporting chemicals within your facility, ensuring efficiency in handling and distribution.
- ✓ **Precise Dosing Accuracy:** The system is equipped with precise dosing mechanisms, guaranteeing accuracy in chemical measurements for consistent and reliable production outcomes.



# LIQUID DOSING SYSTEM

A liquid dosing system is a precision-engineered solution designed for accurate and controlled dispensing of liquids in various industrial processes, ensuring efficiency and reliability.

## ADVANTAGES

- ☑ Temperature Integrity: Maintains the integrity of liquid temperature during dosing, ensuring the preservation of sensitive properties in the handled liquids.
- ☑ Efficient Transfer: Facilitates efficient and precise transfer of liquids, minimizing wastage and enhancing overall operational efficiency.
- ☑ Versatility: Adaptable to a wide range of liquids and application requirements, offering versatility in handling diverse substances with varying viscosities and properties.
- ☑ Consistency in Production: Ensures a high level of dosing precision, promoting consistent product quality and minimizing variations in the production process.



# BROKEN BISCUIT GRINDING SYSTEM

Broken Biscuit Grinding System is a specialized solution designed to efficiently process and repurpose various types of broken biscuits, ensuring minimal waste and maximizing resource utilization across the biscuit manufacturing industry.

## ADVANTAGES

- ✓ **Consistent Output:** Delivers a consistent grind, allowing for the creation of uniform biscuit particles suitable for diverse applications such as fillings, toppings, or secondary products.
- ✓ **Versatility in Biscuit Types:** Accommodates a wide variety of broken biscuits, providing a versatile solution for different biscuit shapes, sizes, and textures.
- ✓ **Waste Reduction:** Effectively processes broken biscuits, minimizing waste and maximizing the utility of biscuit production output.
- ✓ **Operational Efficiency:** Enhances operational efficiency by seamlessly integrating into existing production lines, minimizing downtime, and optimizing the overall manufacturing process.



# FAT MANAGEMENT SYSTEM

Fat storage silos are specialized containers designed for the efficient and secure storage of fats and oils in industrial settings. The above image represents Cladded Stainless Steel Silos. These silos play a crucial role in the food and chemical processing industries, providing a dedicated storage solution for fats used in various production processes.

## ADVANTAGES

- Space Utilization and Safety:** Maximizes space efficiency with a compact design, allowing for organized and space-saving storage. Additionally, incorporates safety features to prevent spillage or leakage, promoting a secure working environment for personnel.
- Hygienic Storage Environment:** Maintains a hygienic storage environment that complies with industry standards, preventing contamination and safeguarding the purity of fats intended for use in food and chemical applications.
- Optimized Production Efficiency:** Facilitates a streamlined production process by providing a ready and controlled supply of fats, eliminating the need for manual handling and ensuring a consistent flow for efficient manufacturing.



# FLOUR AND CRYSTAL SUGAR SILOS

Flour and Crystal sugar silos are purpose-built Stainless Steel storage solutions designed to efficiently store and manage flour and sugar, which are fundamental ingredients in various industries, including baking, food processing (pasta), and manufacturing.

## ADVANTAGES

- ✓ **Optimized Storage Capacity:** Silos maximize storage capacity while minimizing space requirements, making them ideal for bakeries, food production facilities, and manufacturing plants.
- ✓ **Preservation of Quality:** These silos preserve the product quality by minimizing exposure to external elements, ensuring freshness and preventing contamination.
- ✓ **Efficient Handling and Flow:** Designed for smooth material handling, these silos facilitate efficient flow during production processes, contributing to seamless operations.
- ✓ **Hygienic and Contamination-Free:** Silos maintain a hygienic environment, preventing contaminants and enhancing overall food safety compliance in industries such as baking and food processing.

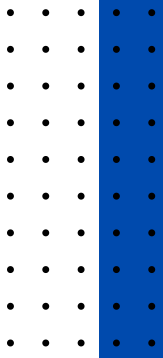


## LIQUID STORAGE SILOS

Liquid storage silos are specialized containers designed for the secure and efficient storage of various liquids, ranging from water and chemicals to oils and beverages. These silos are constructed with materials like Stainless Steel and MS that ensure durability, structural integrity, and safety, catering to diverse industrial and commercial applications.

### ADVANTAGES

- ✓ **Space Optimization:** Maximizes storage capacity while minimizing footprint, providing an efficient use of space.
- ✓ **Preserved Liquid Integrity:** Minimizes exposure to external elements, maintaining product quality and preventing contamination.
- ✓ **Monitoring and Control:** Equipped with real-time monitoring systems for precise liquid level control, ensuring efficient management.



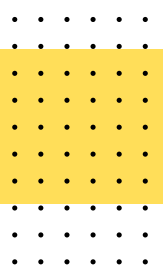
# PLC WITH HMI

PLC (Programmable Logic Controller) System integrated with HMI (Human-Machine Interface) offers a robust solution for seamless industrial automation. It uses a programmable memory to store instructions and execute specific functions. This complete system enhances control, monitoring, and management of processes in diverse industries, providing a reliable foundation for efficient and intelligent operations.

## ADVANTAGES

- ✔ Seamless Control Integration: Combines PLC for robust control logic with HMI for intuitive user interface, providing a seamless integration of automation processes.
- ✔ Enhanced User Interaction: Empowers operators with a user-friendly HMI, enabling easy monitoring, control, and troubleshooting of industrial processes.
- ✔ Efficient Data Visualization: Facilitates real-time data visualization through the HMI, offering insights into the operational status and performance of connected machinery.
- ✔ Remote Accessibility and Monitoring: Allows remote access to the system via the HMI, enabling operators to monitor and control processes from a distance for increased flexibility and efficiency.

# SEPARATE EQUIPMENTS



## HOPPER

A hopper is a crucial component in material handling systems, serving as a storage and dispensing unit. Its utility lies in facilitating efficient and controlled feeding of materials, ensuring a steady and precise flow in various industrial processes, and is used in bakery, bread, pasta manufacturing industries, and confectioneries.



## BAG LIFTER \ TILTER

Bag Lifters/Tilters come in two types, pneumatic and mechanical, both serving the crucial utility of effortless and controlled handling of flour bags. They streamline the material transfer process, enhancing efficiency by automating the lifting and tilting of bags, reducing manual labor, and ensuring precise dispensing for seamless production in the food industry.



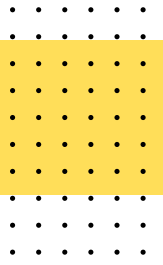
## VOTATOR

A Votator is a specialized heat exchanger that plays a vital role in the cooling process. Its utility lies in providing precise temperature control, efficient heat exchange, and consistent product quality,





# SEPARATE EQUIPMENTS



## BUCKET FILTER

Bucket filter serves as a crucial component for efficient filtration, preventing contaminants from entering the system & ensuring quality of materials being handled. This advanced filtration utility enhances overall system performance by maintaining product purity and reducing the risk of equipment damage, contributing to a reliable and seamless processing experience.



## SCREW CONVEYOR

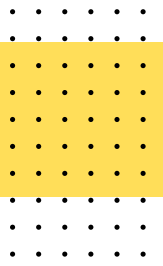
The screw conveyor system serves as a vital utility, efficiently transporting and elevating the material with precision. This mechanism ensures a continuous, controlled flow of material, minimizing spillage, and contributing to the system's overall reliability and productivity.



## SYRUP KETTLE

A versatile kettle designed to dissolve sugar efficiently, equipped with a powerful stirrer and heating mechanism using either electric heater, thermic fluid, or steam heating for precise temperature control. Insulated to retain heat and optimize the syrup dissolution process.

# SEPARATE EQUIPMENTS



## FAT MELTER

Fat melter is designed to melt frozen, solid blocks of animal or vegetable fat as well as to maintain them in a molten state at a given temperature. The fat melting machine is used in industry for the manufacture of bakery products, confectionery items, mixed oil, ice cream, condensed milk, creams, ointments, etc.



## SUGAR GRINDER

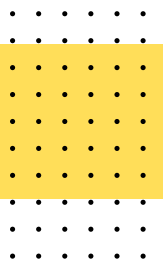
Sugar grinder is a specialized industrial machine designed for the precise grinding of sugar crystals or granules into fine powder. This essential equipment in the food processing industry ensures the uniformity and consistency of sugar particles, meeting the high standards of quality and texture required in various culinary applications.



## SIFTER

A sifter is designed to separate, classify, and refine granular materials or powders based on particle size. It typically consists of a mesh or screen that allows smaller particles to pass through while retaining larger particles. Sifters are widely used in various industries for processes involving bulk materials to ensure the desired particle size distribution and product quality.

# SEPARATE EQUIPMENTS



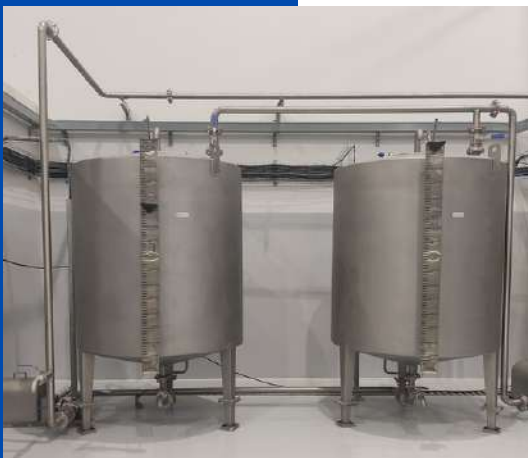
## RIBBON BLENDER

A Ribbon Blender is a versatile and efficient blending equipment widely used in various industries for the homogeneous mixing of dry powders, granules, and other bulk materials. Its distinctive design features a horizontal, U-shaped trough with a helical ribbon agitator that rotates on a central shaft, facilitating a gentle and thorough blending action.



## BISCUIT GRINDER

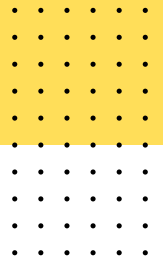
Biscuit Grinder is an innovative and efficient equipment designed specifically for the food industry, especially for biscuit production. This versatile grinder is utilized for the size reduction of biscuits into fine or coarse crumbs, facilitating various applications in the manufacturing process.



## SYRUP STORAGE TANK

A Syrup Storage Tank is a specialized container designed for the safe and efficient storage of syrups, commonly utilized in various industries, including food and beverage, pharmaceuticals, and chemical processing. These tanks are constructed with materials that ensure the integrity and quality of the stored syrups, providing a reliable solution for bulk storage needs.

# AUXILIARY EQUIPMENTS



Motors

Sensors

Beaters

Valves

Rotary valves

Multiline distributors

Transfer Lines SS

Butterfly valve

Biscuit grinder mesh

Blower

Lump-breaker

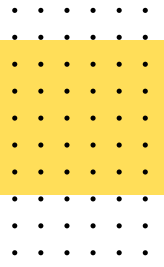
Slide valve

Magnet

PLC Spares



# INDUSTRIES WE SERVE



## Food Market

Bakery and Biscuits

Confectionery

Chocolate

Dairy

Sugar

Premix



## Other

Chemical

Paper

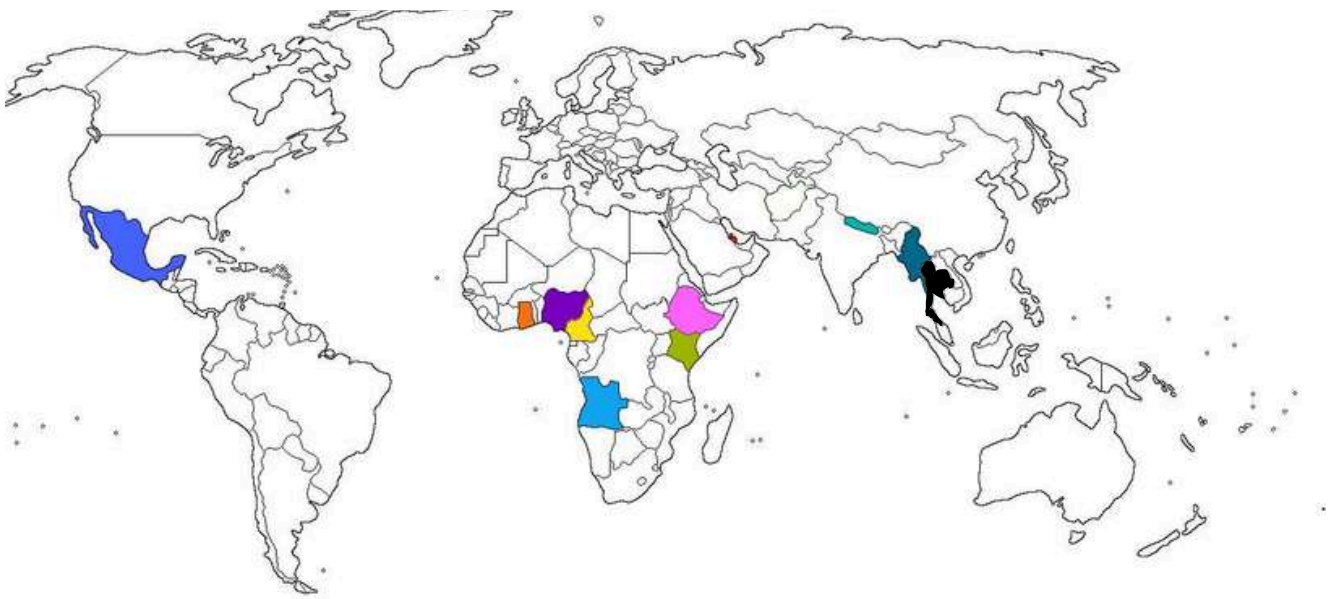
Cement

Pharmaceutical

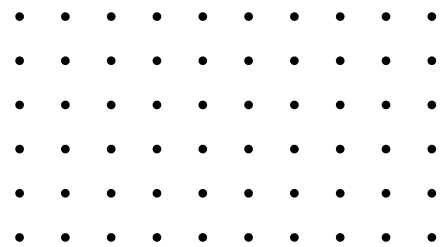


# EXPORT NETWORK

Riding on the back of strong domestic acceptance, Times Automation Pvt. Ltd. registered its presence in the International level. Times Automation Pvt. Ltd. has ensured that its products are second to none & its products are now very well accepted in the International markets of Angola, Bahrain, Cameroon, Ethiopia, Ghana, Kenya, Nepal, Mexico, Myanmar & Nigeria.



- Nepal
- Bahrain
- Mexico
- Nigeria
- Ghana
- Angola
- Kenya
- Ethiopia
- Cameroon
- Myanmar
- Thailand



# OUR NUMBERS



Productive Area






Turnover Avg Yearly

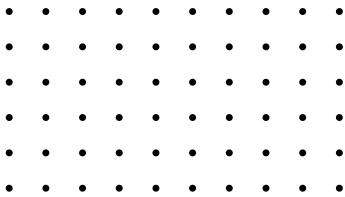


Installations Worldwide



Workforce

-  An IBR Certified Company
-  ISO 9001:2015 Certification by QSCERT.
-  Member of Confederation of Indian Industry



# OUR CLIENTS



**pladis**

GODIVA  **ÜLKER**







Works :

Khasra No. 82/2/2, 82/8/2, 82/9, 82/3/3/1, 82/3/2/2, 82/12/1, 82/13/1/1  
Castrol Road, Village Rohad, Tehsil Bahadurgarh, Haryana 124 501

Office :

700 KLJ Tower North, Netaji Subhash  
Place, Pitampura, New Delhi-110034

[rajesh@timesautomation.com](mailto:rajesh@timesautomation.com)

[www.timesautomation.com](http://www.timesautomation.com)

Contact Us:

+91 9999884400

+91 9416055180



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