



Comprehensive Engineering Solutions

Autmix[®]



Contents

Autmix Group	4
Solutions	6
Industries	8
Mixing and Fluid Handling Solutions	10
Available configurations	12
Products	14
Technological innovation department	16
Physical analysis consulting	17
Engineering Solutions	18
Turnkey projects	19
Extensive experience in the food industry	20
Electrical design	22
Mechanical design	24
Automation and control system	26
Consultancy and specialized audit in automation	27
Collaboration with the main OEMs, integrators and engineering companies.	28
Manufacturing Execution Systems (MES)	30
Companies that have trusted us	32



We help companies to improve and optimize their production processes

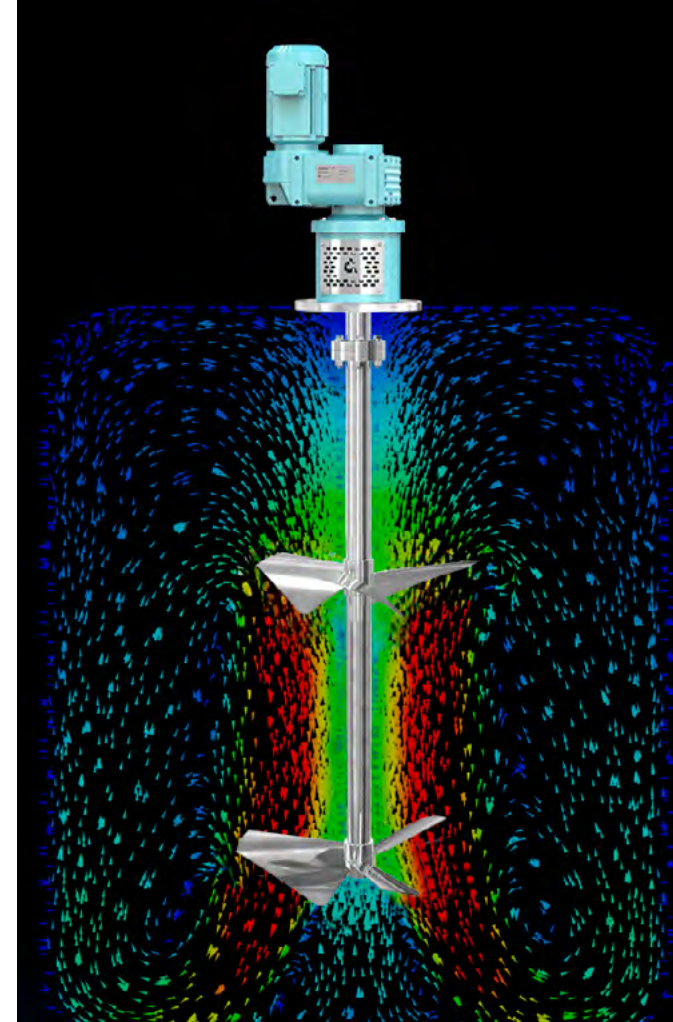
We are a group specialized in a wide range of engineering, with a notable willingness to help you meet your objectives.

Through the use and creation of high technology, we develop solutions with tailored products and services.

We consolidated our global presence, establishing two strategically located manufacturing centers in Spain and Mexico, as well as three offices in key international markets: Spain, Mexico and the United States.

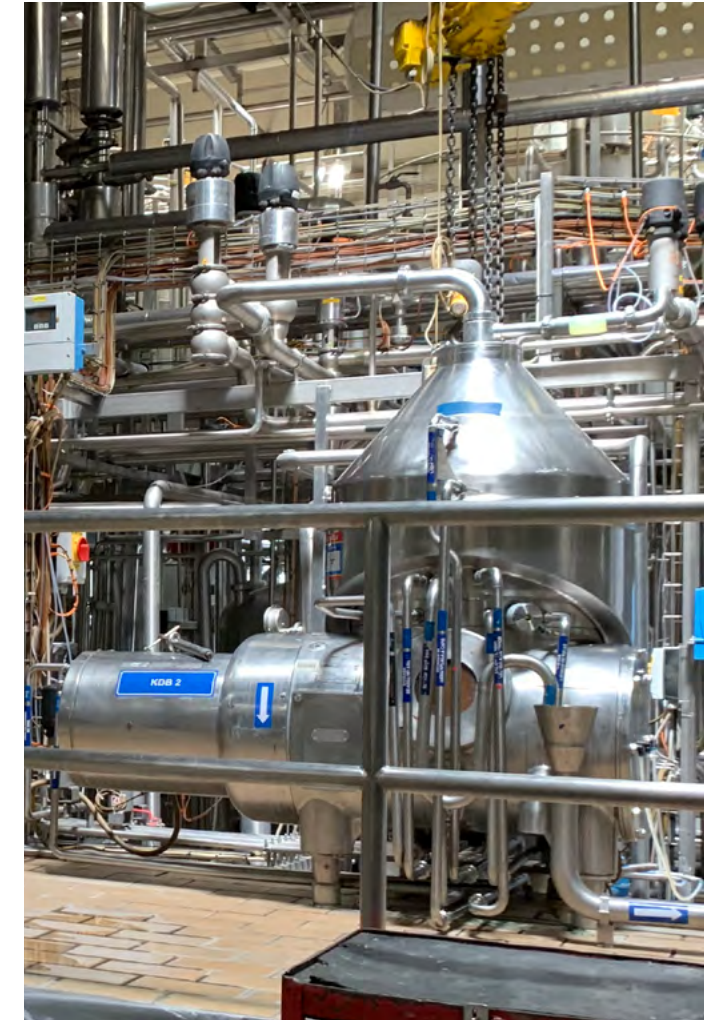


Developing high added value solutions for every sector



MIXING & FLUID HANDLING

Design and manufacture of agitation and mixing technology.



ENGINEERING

Process engineering and consulting.

Industries



Food and beverage



Pharmaceutical



Cosmetic



Chemical



Mining



Oil and gas



Water treatment



Sugar



Paint



Paper





Mixing & Fluid Handling Solutions

Agitation technology design and manufacture.

We offer top-quality solutions in the different mixing processes for diverse industries.



Modular design in our equipment, provides adaptability and profitability to each project, with a quick return of investment.

Liquid - Liquid



Homogenization
Emulsion
Neutralization

Liquid - Gas



Dispersion
Dissolution

Liquid - Solid



Suspension
Coagulation
Crystallization

Advantages



Custom design.
According to project specifications.



Specialized and skilled technical support.



Top quality materials.
From top brands.



Cutting-edge technology design and simulation tools.



Highly competitive prices.



Delivery on time.



Extensive equipment warranty.



After-sales service.
Spare parts for immediate delivery.

Over 5 000 available configurations

Optional

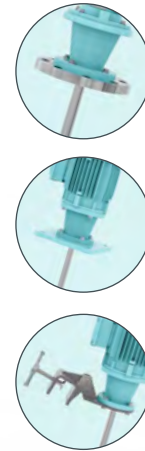
- Engines with ATEX certification against explosive areas
- Special certifications (NOM)
- EHEDG regulations

Sealing system

- Simple seals or double seals
- Hydraulic labyrinth
- Spring clips
- Simple mechanical seal
- Double mechanical seal
- Autonomous cooling system (thermosyphon)
- Vapor barrier
- Disassembly with pressure reactor

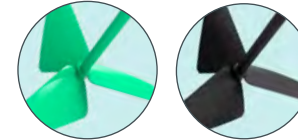
Mounting options

- ANSI or DIN flange
- Square plate
- Clamp
- Flange with emergency lock



Coating

- PTFE
- PVDF
- EPDM
- Halar
- Butyl rubber
- Ebonite
- Fiberglass
- Special coatings



Manufacturing materials

- Carbon steel
- AISI 304
- AISI 316L
- Duplex
- Super Duplex
- Uranus B6
- Titanium
- Hastelloy

Finishes

- Sanitary polishing
- Specification of roughness



Impeller

- Sabre
- Nabla
- Gamma
- Stokes
- Cowles
- Rotor-Stator
- Rushton
- Axial turbine
- Helical
- Anchor
- Marine
- Double flow

Wide variety of bearings

Products

Efficient agitators and equipment for high performance industrial mixing.

Customization to meet requirements, supported by advanced calculation and simulation tools that ensure optimal performance.

RT

RT Vertical Mixers

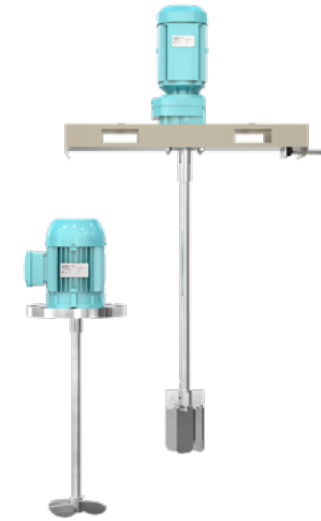
High energy performance equipment, high-efficiency mixing.



CT

CT Compact Mixers

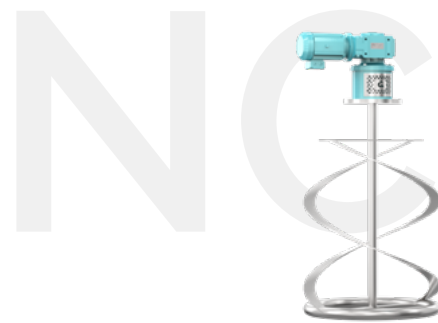
Developed to rotate at high revolutions per minute in low-volume.



ZB

ZB Bottom and side entry Mixers

Efficiency in a wide range of processes.



NC Anchor Mixers

Used to avoid stagnation; maintain fluid motion with high viscosity.

RE

RE Rotor-Stator Mixers

High shear rate and radial flow.



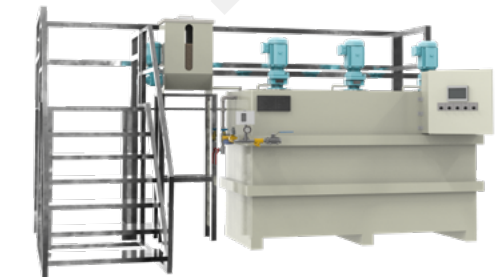
Elevation System

Fixed or mobile placement available with manual or automatic operation.



AUTOFLOC®

Ideal for particles and compounds separation with polyelectrolyte saving and high hydration.



Tanks

Quality, security, and efficiency for a vast variety of tanks.

- Mixing.
- Cleaning in Place.
- Jacketed.
- Mobile.
- Process reactors.
- Atmospheric storage, pressurized or rectangular.



Operations

- Dairy processing.
- Food and beverage mixing.
- Lye storage.
- And others.

Stainless steel

- Made of steel 304 and 316.
- 2B finish to mirror polishing.

Special processes

Designed for processes with advanced features and specific requirements according to product.



Technological innovation department



Efficiency is our priority.

For this reason, our technological innovation department is constantly dedicated to improving and creating new products from processes based on the scientific method. By using the most ad-

vanced mathematical modeling tools, along with CFD (Computer Fluid Dynamics) and FEA (Finite Element Analysis) simulations, it is possible to analyze and interpret precise data about flow

patterns and fluid behavior. We integrate different components in our equipment to achieve the objective proposed.

Physical analysis consulting



Obtaining process variables with very high precision and reliability.



Verification of resistance of materials before manufacture.



Vibration and resonance analysis.



Optimization of consumption ratios.



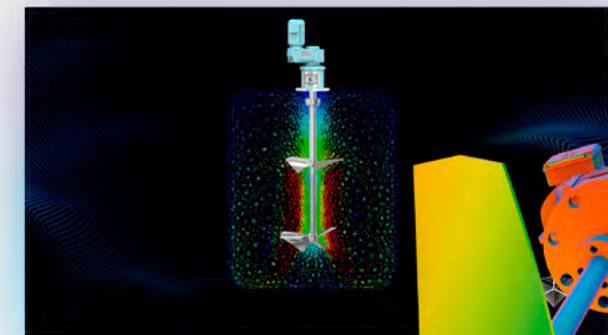
Easy visualization of flow behavior patterns.



Development validation for new equipment and mechanisms.



Heat transfer studies.





Advantages

- ✓ Professional counseling.
- ✓ Solutions tailored to needs.
- ✓ High quality equipment.
- ✓ Specialized technical support.



Engineering Solutions

Process engineering and consulting.

We integrate mechanical, electrical and automation engineering to offer a comprehensive improvement in your industry, saving time, effort and money, facilitating every process.

Our goal is to work with the highest quality standards and provide the best service optimizing financial, material and human resources.

Turnkey projects

We count with a great professional team, with the *Know-How* to manage all the stages of your projects.

From the conception to the closure; carrying out automation, electronic, electrical and process engineering development.

Turnkey projects provide better control over time, scope and budget.



Project and team management.



Detailed engineering documentation.



Obtaining required permits and licences.



Post - sale monitoring and guarantees.



Whether through agile, hybrid or traditional methodologies, our goal is the same: **finish each project with maximum customer satisfaction.**

Extensive experience in the food industry

It is the sector where we have the most experience, being "Dairy" and "Plant Based" the strength of the brand since its conception.

The team has successfully developed hundreds of projects in all areas of the factories: from the reception platforms of raw materials, going through pretreatments, separation processes, filling and discharge manifolds to tanks, preparation areas with macro and micro ingredients, mixing and flavoring, pasteurization or sterilization, HTST (flash pasteurization), UHT (ultra pasteurization), dilution, fermentation, storage, dosing and

packaging. Along with CIP / SIP (Clean In Place / Sterilization In Place) stations. Our engineers are responsible for the selection and programming of valves, motors and control equipment for the integration of CIP lines.



Electrical design

Our specialists oversee the selection of the appropriate equipment, always thinking of maximizing resource savings and overall efficiency.

The services related to the installation and control of industrial electricity that we offer are the following:

- Instrumentation diagrams.
- Instrument specification.
- Design of power and control panels.
- Diagrams for control and automation equipment.
- Grounding systems.
- Lighting engineering.
- Short circuit calculations.
- Protection coordination studies.
- Arc Flash Studies.
- Line diagrams.
- Calculation memories.
- Equipment specification.
- Design of lightning rod systems.



Mechanical design

Start your project with the best equipment and ensure production in your manufacturing line.

During the engineering development, we take into account each process variable, to guarantee the safety and correct operation of your systems.



Piping design and instrumentation diagrams.



Calculation of process installation using advanced simulation software.



Mechanical studies for pipe systems, heat exchangers, tanks and structures.



Assembly and commissioning.



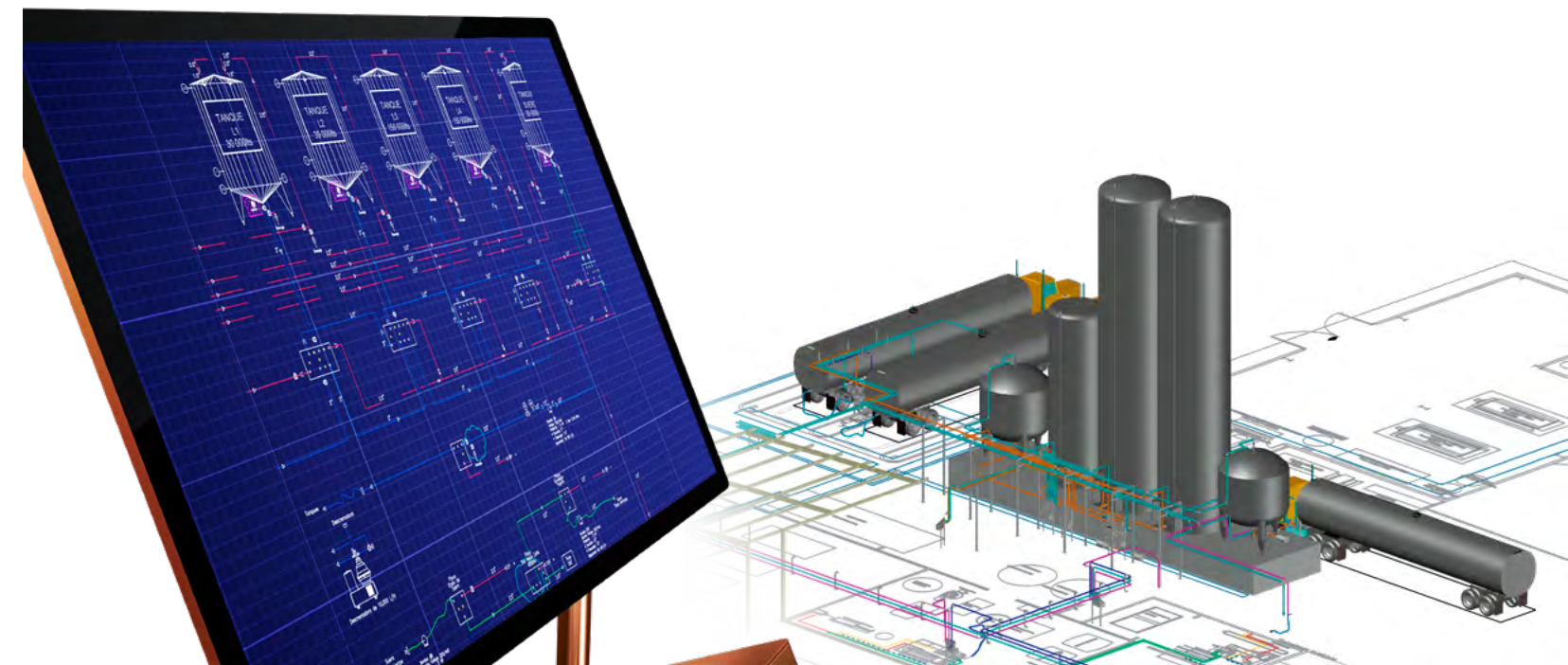
Modular process skids solutions design.



Design and 3D modeling.



Head-loss calculation.



Automation and control systems

We implement supervision, control and data acquisition systems that allow users to interact with processes in a comfortable, safe and efficient way.

We create process automation tailored to the needs of our clients. Thus, we guarantee complete integration between SCADA, PLC, traceability and reporting. With these services, your factory will benefit, optimizing raw materials and production times.

We ensure increased safety for the company's personnel and savings derived from production efficiency. We have highly qualified personnel for design, engineering and execution, in order to deliver the best quality in time.



Batch processing

We use and integrate software for automation of manufacturing companies, both continuous and batch processes.

- *Factory Talk Batch*
- *Wonderware Batch Management*
- *Simatic Batch*



Consultancy and specialized audit in automation



Process optimization to reduce product waste and energy.



Resolution of production and / or service problems.



Design, development and integration of methodologies.



Analysis and improvement of manufacturing processes.



Collaboration with the main OEMs, integrators and engineering companies

- Sequential application of the intercompany collaboration phases.
- Planning, production and monitoring.
- Implementation of functional specifications.
- Logistics coordination.
- Automation and IT development and integration.
- Quality control and safety assurance. FAT (Factory Acceptance Test).
- VSU (Vertical Start-Up).



Manufacturing Execution Systems (MES)

Specialized technology for the digital management of your plant's production processes:
industry 4.0 tool by excellence.



Companies that have trusted us

FOOD AND BEVERAGE



PHARMACEUTICAL



CHEMICAL



SUGAR



OIL AND GAS



PAINT



WATER TREATMENT



CEMENTS AND MORTARS



MINING



PAPER





Discover with Autmix how to take your operation to a new level

United States

+1 956 658 9054

sales.us@autmix.com
600 E John Carpenter Fwy 75062.
TX, United States.

Mexico

+52 442 224 5621

sales.mx@autmix.com
Carretera San Luis Potosi 1186.
Warehouse 7A, Navetec Business Park.
76223. Queretaro. Mexico.

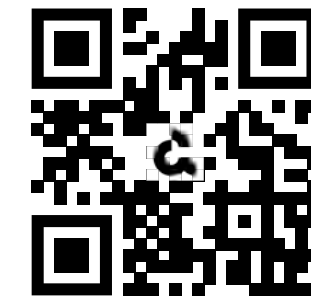
Europe

+34 91 437 2618

sales.sp@autmix.com
Paseo de la Castellana 40, 8th Floor,
28046 Madrid, Spain.

autmix.com/en

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