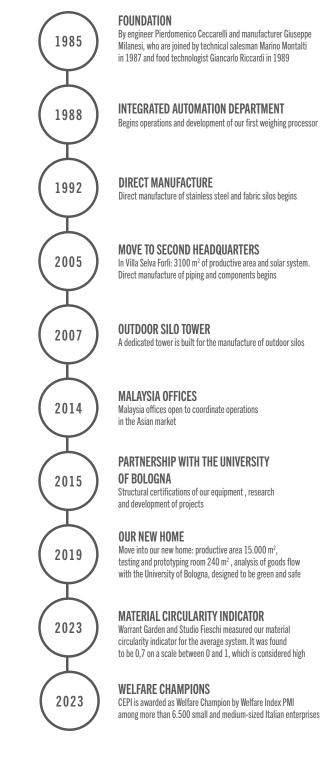




BULK-HANDLING SINCE 1985

CEPI designs, manufactures and commissions bulk-handling systems for the storage, transport and dosing of raw materials, as well as fully integrated automation and technologies to complete all production processes.

A family-run company with an international outlook, CEPI is based in Italy and operates globally, with offices in Malaysia to coordinate operations in the Asian market and a network of local partners spanning the five continents. Since 1985, we have worked with the most important companies from all sectors of food manufacturing.





OUR VISION

Our vision has centered research, customization and flexibility since our beginnings. CEPI has been founded around the very idea of being turn-key provider.

Being turn-key means making the users of our installations independent, enabling their growth in a modular way without ever overturning their process. We possess all the expertise needed to design, build and commission the system, and to provide the data related to its operations.

Bulk-handling is not just about silos, and the bulk-handling system is strategic. Our working model ensures a sustainable and optimized process and provides food manufacturers with a durable installation that fits with the circular economy model.



TURN-KEY

We develop installations that take care of all processes from storage to dosing, supporting any material and process the user wishes to include

CUSTOMIZATION

We consider the installation our product and customization our service

RESEARCH

Our technologies evolve to match each individual demand from the manufacturer side, leading to unparalleled technological range

DURABILITY

Our focus on turn-key customization and our flexibility creates durable installations that fit with the circular economy

Our mission is:

to build highly customized installations managing the entire production line from storing to dosage

to develop specialized technologies that meet diverse and ever evolving needs around the planet

to minimize energy and material consumptions and preserve the proprieties and taste of the materials managed in our systems

to valorize people, ideas, community and territory

to grow in a sustainable way innovating the technologies in our sector

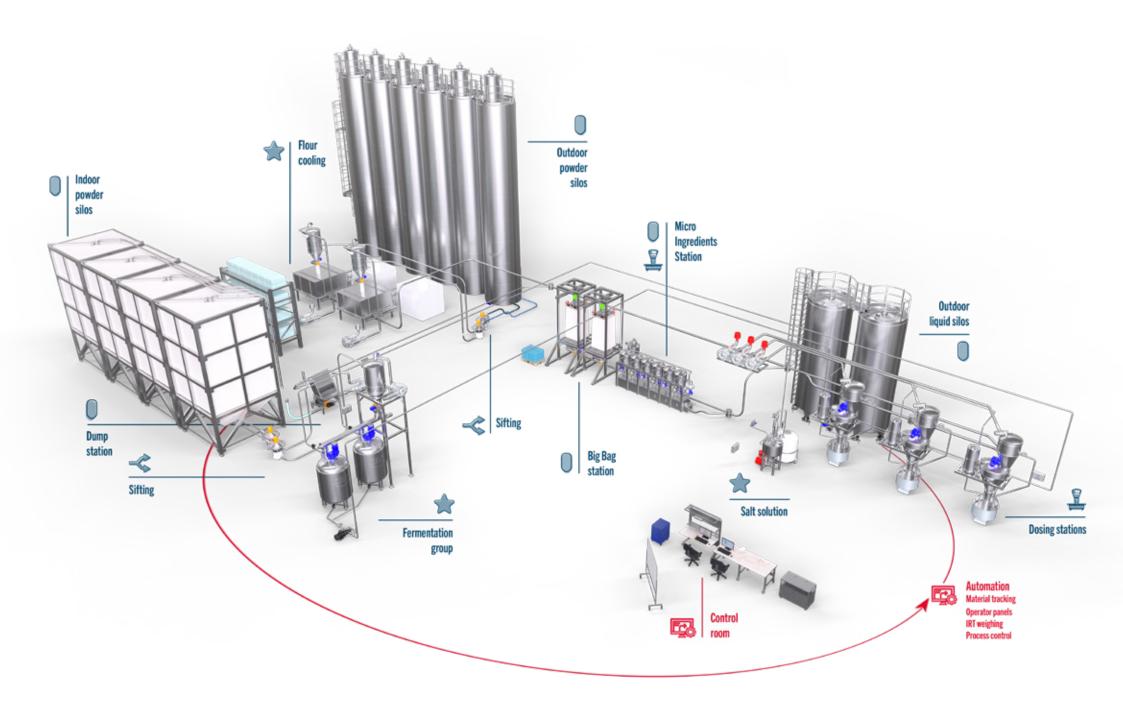






We have experienced continued growth through our history, with an exceptional 87% result in the past decade.





Powders, granular products, liquids, fats.

Macro, micro, medium volumes. Fermentation, cooling, fluidization, milling, blending, rework. Our motto is: if your process needs it, we can do it. If we can't do it yet, we will develop it, just for you.



TURN-KEY SYSTEMS

Indoor and outdoor

Macro, medium and micro ingredients

Stainess steel or Trevira HT fabric

Vibrating cone or fludized bed

Powders, granular, liquids



Pneumatic and mechanical

Stainless steel

Modified atmosphere management and temperature management

Inhouse manufactured ATEX components

Powders, granular, liquids

Hopper and tanks

Stainless steel

Continuous or batch

Macro, medium and micro

Blending and premix

Powders, granular and liquids

Fermentation

Flour cooling

Sugar milling

Cold fat dosing

Invert sugar

Salt solution

Scrap rework

Heat treatment

Integrated automation of all operations

Operator panels

Process control

Traceability

Warehouse management

Remote control

Total information exchange



TRANSPORT



DOSAGE



SPECIAL



AUTOMATION

LONG-TERM ORGANIC THINKING

Our method sees storage, dosing, transport operations and their automation in their totality, and in the way they interact with each other. Similarly, we consider all the user's processes and their future plans, creating flexibile solutions that will easily accommodate new developments and expansions.

This approach makes our systems very durable, with an exceptional revamping ability on our part: systems that we built 30 years ago are still functioning efficiently.



MODULARITY



FLEXIBILITY



REVAMPING









PROCESS & PRODUCT ANALYSIS

With hygiene and safety management and food technology support



ENGINEERING R&D

22 engineers and a team dedicated to prototyping and innovation



INTEGRATED AUTOMATION

24 developers on hardware and software design, electrical system, 24/7 support



DIRECT MANUFACTURE

Of all equipment and components by highly trained and qualified personnel



QUALITY & SUSTAINABILITY

Quality control of all products and ESG sustainability strategy



PROJECT MANAGEMENT

Planning, workflow, problem solving and interface with all partners



LOGISTICS & COMMISSIONING

Delivery, assembling on location, testing and optimization



CUSTOMER SERVICE

Remote and local support, spares, repairs, maintenance, training

OUR METHOD



BAKERY



CONFECTIONERY



PASTA & CEREALS



DAIRY



PREMIX



FUNCTIONAL FOOD



BABY FOOD



PET FOOD



BEVERAGES



CHEMICAL



PLASTIC



PAPER

OUR MARKETS











SILBOX

Modular indoor silos in stainless or aluminum steel, with vibrating cone or fluidized bed for a complete emptying of product by the first in first out principal.





Emptying on the FIFO principle (1)

Emptying by fluidized bed (2)

Special emptying method for sugar, starch, bran...

Silos for cous-cous and short pasta

Filtering roof (3)

Level sensor and pressure switch

Weighing system with cells (4)









2





Bag dumping stations of variable capacity, suitable both to load silos and to feed the lines directly. Use it in battery for big production volumes.

BAG DISCHARGER

Chain hoist to load Big Bags

Antidust filter

Easy Big Bag change over device

Lump-breaker for sugar (1)

Ergonomic and suitable for any bag size

Emptying by vibrating cone (2)

Multiple extraction

Stainless steel

Modular and hermetic

Antidust filter

Multiple extraction with total empting

Stainless steel cylindres suitable to all spaces

MINISILO





Broad-spectrum stations consisting of modular hermetic units, for the storing and the automatic dosing of micro ingredients. Handles a wide range of challenging materials such as milk powder, cocoa powder, salt and others.

TRIMIX



Completely hygienic

No leakage and no leftovers

Dust exhauster (1)

Fixed or mobile scale (2)

Integrated homogenizer

Manual or by suction loading

Weighed trolley (3) and level sensor (4)

Bar code reading system

Table scale for manual dosing



CONVEYING SYSTEM

Pneumatic conveyance of powders

Suction or low pressure compression or dense phase

Mechanical conveyance with feeding screws, belts and chains

Centrifugal and volumetric pumps for liquids

Modified atmosphere management and temperature management







OPTIMIZED







Rotary valve





In-house manufacture of ATEX conform components to aid transport operations and to protect against anti-explosion and contaminations.



Lump breaker



Lift diverter

COMPONENTS





Continuous or batch, positive, by loss of weight, by volume or by weight

Hoppers with dust exhaust unit with lid (1) and self-cleaning filter (2)

Discharging valve (3), weighing cells (4) and ball valve (5)

Integrated automation (6)

Liquid tank: suitable for the viscosity of the stored liquid and come with temperature and modified atmosphere management









DOSAGE

Automated systems for the weighing and dosing of powders and liquids at the end of the line. Modular hoppers for powders with hygienic design including self-cleaning filter and dust exhaust unit with lid. Tanks for liquids of variable capacity in appropriate steel material.

DOSING STATION

Homogeneous mix of powders even for quantities lower than 1% of the total weight in the span of 3-5 minutes

Optimizes mixing and production times

Mix ingredients before dosing or use in place of the dosing hopper

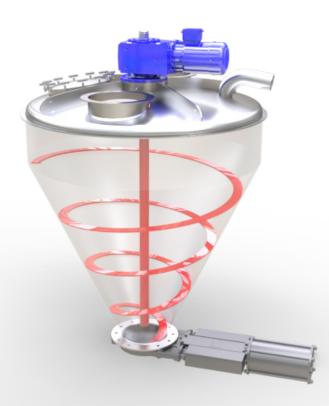
Hygienic design with total dischage, fully inspectable and easy to clean

Variable capacity

Load pneumatically or by gravity

Slide valve and extraction by with rotary valve or feed screw

Stainless steel





BLENDER





DOSAGE





AUTOMATION

Fully integrated automation of all operations including production management on PLC with HMI, full traceability and warehouse management on native software, total information exchange with SQL database and weight control in real time.

Production management, process control, traceability, information exchange, weight control in real time



FULLY INTEGRATED & CUSTOMIZED

24 developers Hardware and software design Electrical system

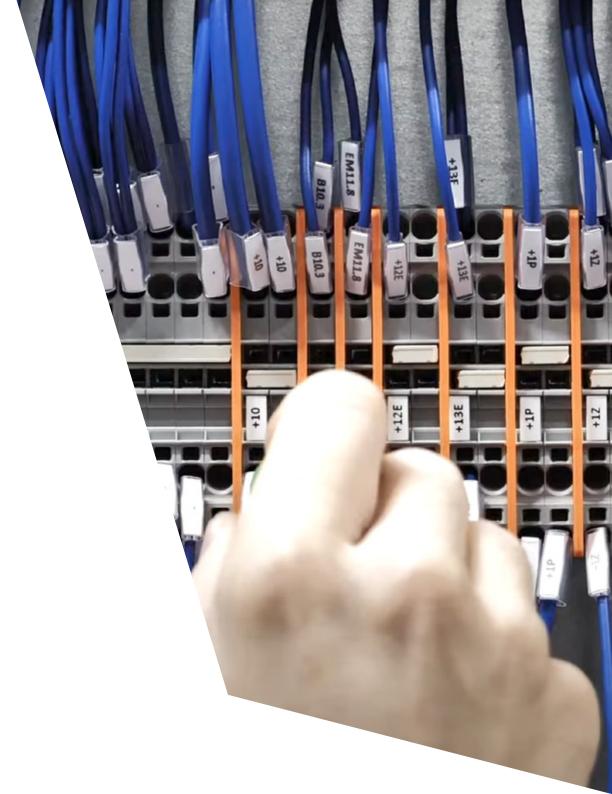


DEVELOPED IN-HOUSE

Testing, optimization, start-up &training Remote support, commissioning & management



COMMISSIONING & SUPPORT





Touch panels providing production management on single or multiple lines.

TOUCH PANEL



RECIPE



OVERVIEW



SQL

SUPPORT

PLC with HMI

cvTouch panel 4 - 15" Siemens Touch panel 4 - 15" Allen Bradley

WP140 LCD Display (Electromechanical automation)

Weight control in real time

Local control box with HMI

Control cabinet

Communication Statistic report

Remote support



OPERATOR PANEL



PERSONAL COMPUTER



MOBILE DEVICE

PROCESS CONTROL

Process control

Traceability

Warehouse management

Storing and recipe data history Batch report Material consumption report Dynamic visualizations Digitalization with barcode system

Data exchange

SQL database Available for queries from a third party

Communication with ERP / MES

Remote support





Native software providing process control, traceability, warehouse management, and total information exchange.



DATA

HISTORY







BARCODE SYSTEM















TRACEABILITY



WAREHOUSE MANAGEMENT



DATA **EXCHANGE**





FERMENTATION

Fermentation tanks, yeast melters and bread re-work dissolvers for sourdough, pre-dough and poolish. For healthy, natural and aromatic products with long shelf life.

Highly versatile and diversified technology

Can stand-alone or be easily integrated in the production process

Bread making through both direct method and indirect two steps method

Modular and suitable for small, medium and big production lines

Preserves the characteristics of the materials

Stainless steel, hygienic design and easy to clean

CIP or PIG cleaning system



HEALTHY



TASTY



NATURAL



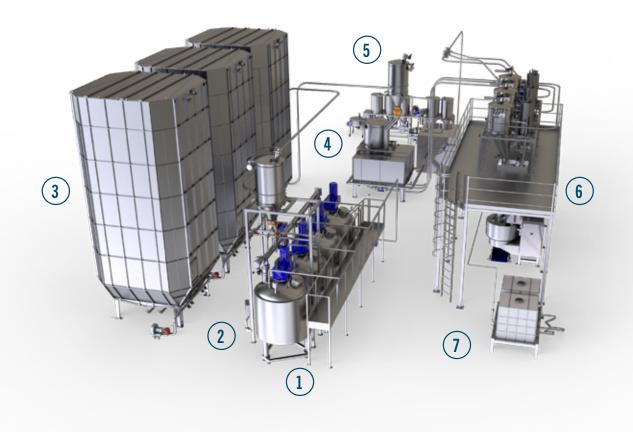
PARAMETER CONTROL



FLEXIBILITY



CLEAN IN PLACE



Fermentation system (1)

Integrated automation (2)

Storing of flour in stainless steel silo (3)

Flour cooling system (4)

Microingredients station (5)

Dosing station (6)

Oil tanks (7)

Automated bulk-handling systems for sourdough bread, with customizable technology for the preparation, storing and dosing of sourdough. Suitable for all production volumes.







Correct and linear management of the dough temperature

Direct exchange of pre-cooled air through fluidized bed

Constant temperature of flour and the final product with no cooling agents

Centralized system for the gradual, automatic and independent reaching of set temperature.

No build-up of product

Always fresh and controlled product in complete independence

Tailored to particle size and quantity requirements

System for the grinding of crystal sugar with automatic feeding and storage tank with stirrer.

FLOUR COOLING

SUGAR MILL





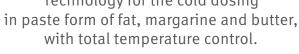




Shortened heating times and efficient mixing with fast homogenous blend

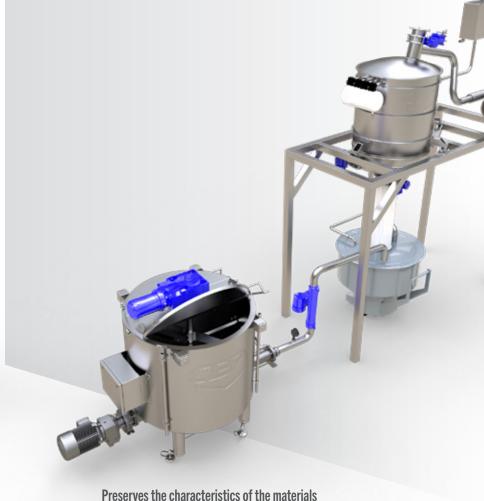
Acid and enzymatic hydrolysis

Systems for the preparation, storage and dosage of invert sugar. Fully or partially automatic with total control of parameters.





INVERT SUGAR



Technology for the cold dosing

Easier to amalgamate with the dough

Time saving, higher hygiene and accurate dosing with no air in the pipe

COLD DOSING







Stainless steel

Heating system with boiler and coil

Fat cutting knife with three-level agitator

Dosing of fat products in liquid form with optimized circulation and total temperature management.

SCRAP REWORK

Fully automated

No loss of food properties

Feed back into production or rework to use elsewhere

Rework systems for bread and similar products, as well as biscuit including liquid recovery of sandwich biscuit scraps.



FAT TANK







Ideal for cold dough that will be later heated such as during fermentation

Tank for the manual loading of water and salt

Double jacketed and insulated storing tanks with agitator and cooling

Centralized systems for the production, storing and dosing of salt solution. For an easier amalgamation of salt in the dough. ATEX certified air heater

No chemical products or toxic gases

User-friendly and safe for workers

Completely eco-sustainable sanitization and total disinfestation of silos by heat, against pests of flour, bacteria and fungi.



SALT SOLUTION

HEAT TREATMENT



OUR PEOPLE

Like an ecosystem: we chose to look at nature to understand systems and the solutions they need. In this vein, we look at our business and the people working with us like an ecosystem.

Each is an irreplaceable element whose talent, work and welfare we value and nurture for their own sake and that of our whole.







PROFESSIONALISM & RESPONSIBILITY



COLLABORATION & COHESION



GIVING BACK & WELFARE



INTERNATIONALISM & FLEXIBILITY

RESEARCH & DEVELOPMENT

Born as an idea factory, CEPI is driven by innovation not just in the development of our technologies, but concerning all aspects of our work, from our methods to our production processes to our health and safety management.





From our inception, we prioritized internalizing the processes and resources involved in the delivery of a turn-key system. All stages of the project from from analysis to commissioning are managed internally. We invest in the growth of our people and in the supply of constant training, new perspectives and information.

INTERNALIZING & TRAINING



Factory: 13.000 m²
Offices: 2.000 m²

Powered and heated by renewable energy

Designed to completely safeguard worker safety

Automatic vertical warehouse

240 m² testing and prototyping room

Dedicated loading area

Customs approved place

Silo washing department

Tall areas up to 16 mt for the construction of outdoor stainless-steel silos

We started from the bottom.
We have built technologies, connections and value.
Today, our new home is here.

OUR HOME



Our home





SUSTAINABLE TECHNOLOGIES

Our sustainability strategy

Doing good by People and by the Planet with Partnership, Prosperity and Peace

CEPI's sustainability strategy is built around 5Ps of Sustainable Development that group the 17 goals of the UN's 2030 Agenda.

The values at the root of the 5Ps have always been part of our ethos: through our history, we have always sought to create the best working conditions for our employees, to reduce the footprint of our operations and to have a positive impact on our community.

THE 5Ps OF CEPI

Doing good by People and by the Planet with Partnership, Prosperity and Peace: at the heart of our Ethics Code are principles that align perfectly with the the goals of the 2030 agenda, which we retold in the context of the CEPI story and and everyday work.

We support training targeted at vulnerable groups and we have a close relationship with local educational institutes, offering apprenticeship, internship and dissertation opportunities and providing equipment to aid workshop activities. The ATENA program triples legal obligations in providing training to our employees in many areas spanning from specialized to health prevention.

QUALITY EDUCATION



Suitable for reuse 83%
Suitable for recycling 15%
Disposal 2%
Recycling efficiency 84%
Durability 30 years



CIRCULAR PRODUCT

Our products operate within the circular economy model, a model of production and consumption which aims to reduce waste to a minimum and promote the recycling and reuse of materials and products. The Material Circularity Indicator of our average installation is 0,7 on a scale between 0 and 1, which is considered high.

We deeply believe in the value of giving back: our community should benefit from what we do. We have launched multiple projects spanning training, scrap recovery workshops, reintegration and medical research, as well as directly supporting vulnerable groups and providing work placement opportunities.

TERRITORY & GIVING BACK

WELFARE CHAMPIONS

On top of contractual welfare, we provide a wide array of benefits with the assistance of a no profit platform and welfare managers, to guarantee fruition, and transparency. Our program involves mostly local suppliers and includes services such as psychological support and weekly fitness activities.

Awarded among more than 6,500 candidates



HEALTH & SAFETY

All our processes have been certified to Occupational Health and Safety standard UNI ISO 45001. Our Health, Safety and Environment team counts 23 people and works daily to perform deep controls and develop innovations.

CEPI goes not disciminate on the basis of any aspect related to gender, and offers equal pay for equal work.

A parallel benefit program is offered to our female employees to facilitate conciliation of work and personal life.

We are certifying to UNI 125 and further expanding our program with dialogue opportunities and seminars.



Partner of the protocols for the Forli's prison workshops





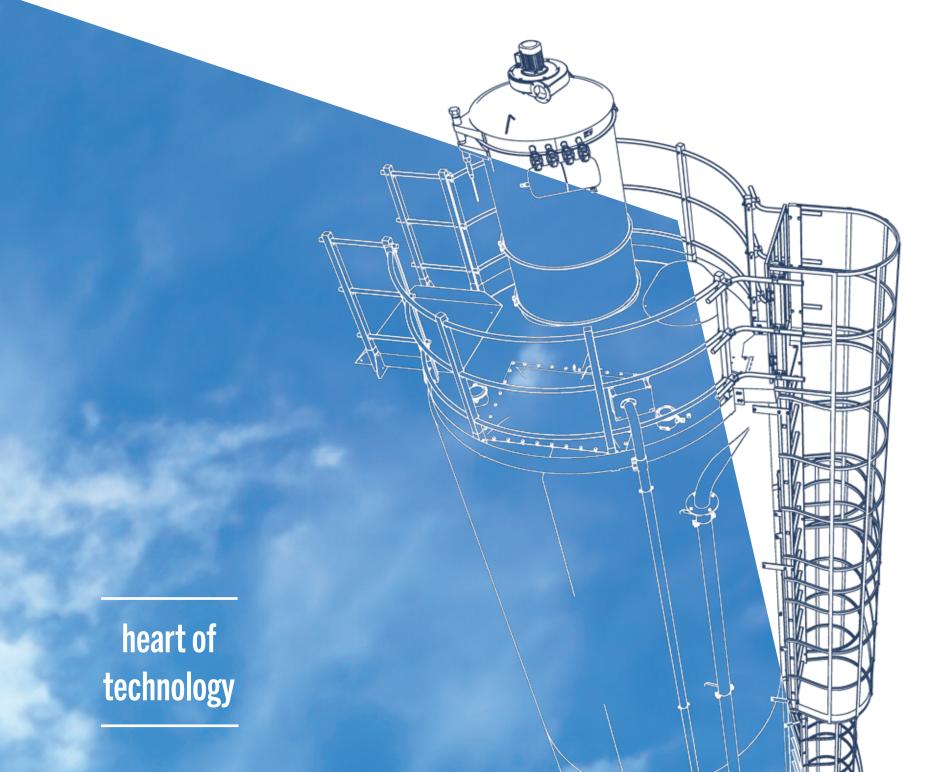
All our waste is traced on register and disposed in compliance to EU regulations and many of our production scraps are reused through collaborations with local no-profit projects. We have also launched a global review of all our waste to identify further recovery opportunities.

GENDER PARITY

REUSE REDUCE RECYLE

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