



**THE QUALITY
OF EXPERIENCE**



**THE QUALITY
OF EXPERIENCE**





We started our business back in 1956. Since then, we have grown to become a world-leader in the design, manufacture and construction of plants for cleaning, drying, handling and storing cereals.

Today, we design and build highly specialised solutions and systems for the food industry.



We have always been ahead of the times, and we pride ourselves on keeping environmental sustainability at the forefront of our approach to design.



01

COMPANY

- History & Experience 04
- Design & Technology 10
- Services & Consulting 12

02

INDUSTRY / LOGISTICS

- Industrial Plants 16
- Port Logistics 18
- Railway Logistics 20

03

AGRICULTURE

- Drying plants 22
- Cleaning plants 24
- Storage Facilities 26
- Cleaners - The range 28
- Mechanization 30
- Fertiliser Plants 32
- Oil Plants 34
- Feed/pet food Plants 36
- Dust stop 38

04

FOOD INDUSTRY

- Malting systems 42
- Plants 44
- Machines and Systems 46

01

THE COMPANY THE QUALITY OF EXPERIENCE



Through strong values, we have earned a position of excellence in the international market:

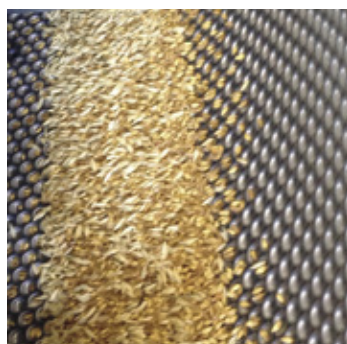
- constant commitment to innovation
- quality of products and processes
- excellence in customer service
- development of human resources
- flexibility
- competitiveness
- eco-sustainability

Our investment in continuous research and innovation, as well as staff training, ensures we always deliver improved solutions for the agro-food industry.

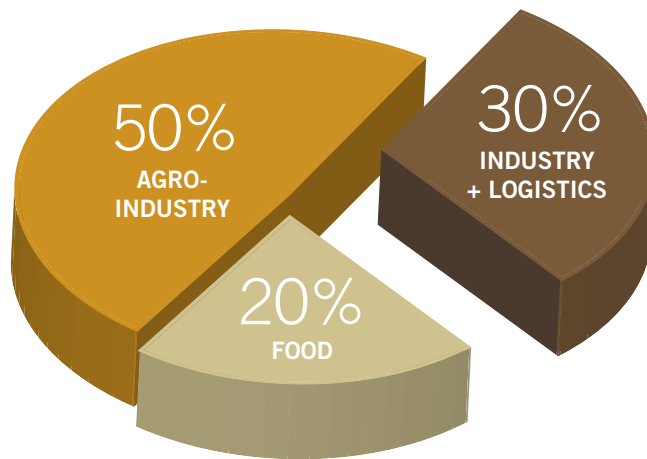
We have developed a highly specialized process to ensure absolute quality, certified by TÜV SÜD.

For this reason our products offer constant efficiency, reliability and performance.

We are committed to applying the ethical principles of environmental sustainability. Thanks to our research and investment in green technologies, we are constantly improving the energy efficiency of our plants and our products. In this way we are helping reduce both our ecological footprint and that of our customers, achieving energy savings, reducing food waste and increasing productivity. Our ultimate ambition is to become a leader in the green economy.



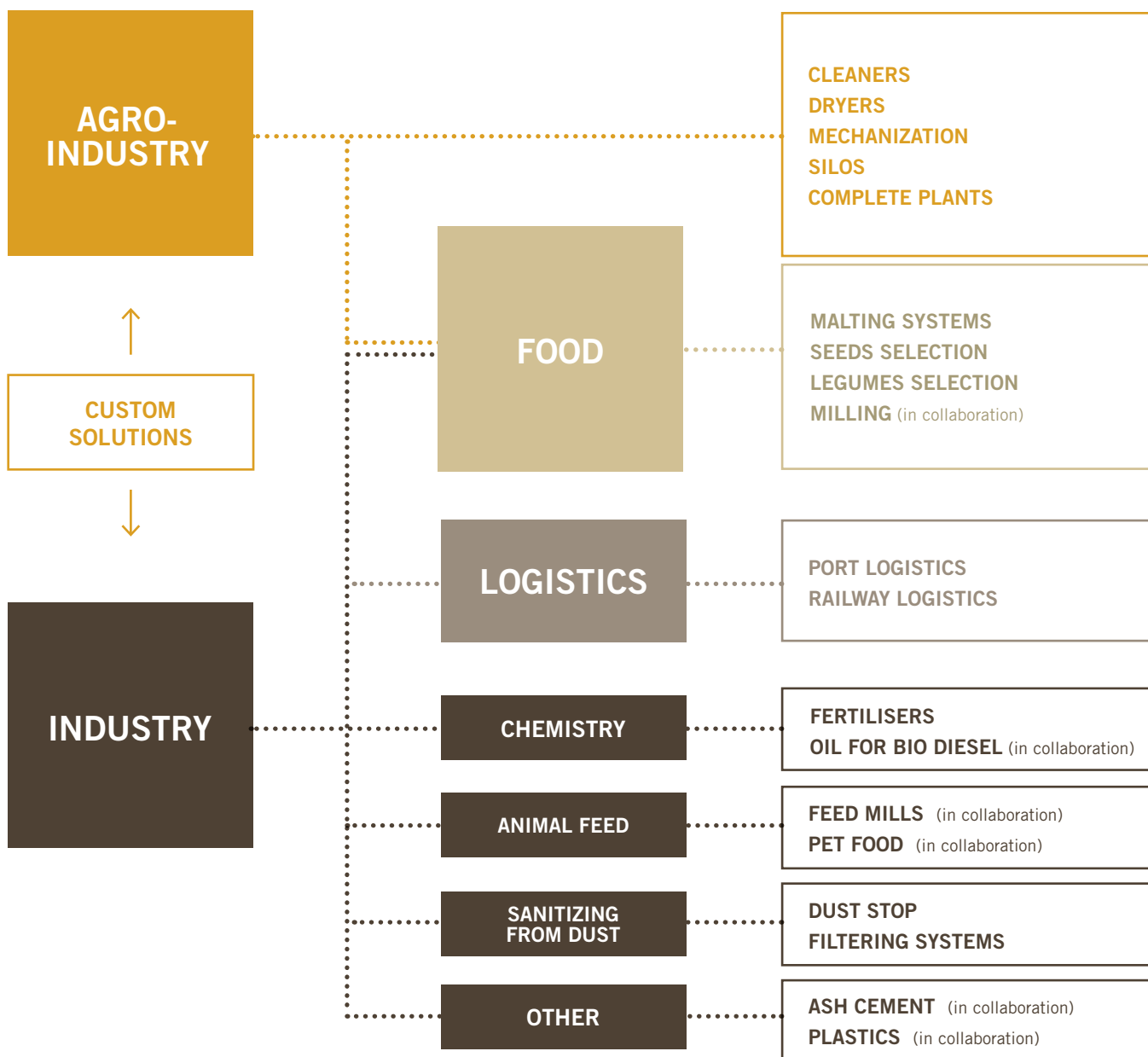




Zanin F.lli is organized into several highly specialised production lines:

AGRO-INDUSTRY, FOOD, INDUSTRY and LOGISTICS.

With **flexibility** and **know-how**, we are able to design and create the **best custom solutions** to suit the unique needs of our customers.



CEREALS



SEEDS AND LEGUMES



OTHER



01

THE COMPANY THE HISTORY & THE EXPERIENCE



Biomass Dryer (1956)
Zanin, pioneer of
sustainable technologies

Zanin was founded in 1956 by Giuseppe and Arcangelo Zanin. After initially being established to produce dryers for silkworms, the business quickly expanded into and specialised in the production of plants for drying cereals. Building on these solid foundations, the company has grown to achieve a leading position in the agro-food market. The company, today managed by Oscar and Nicodemo Zanin, is committed to constant development and consolidation.

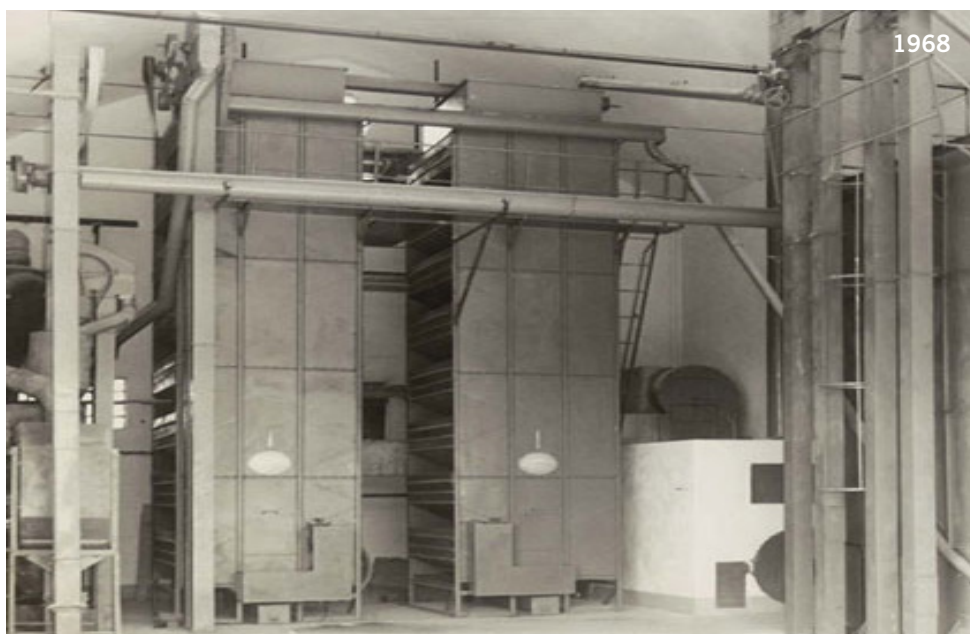
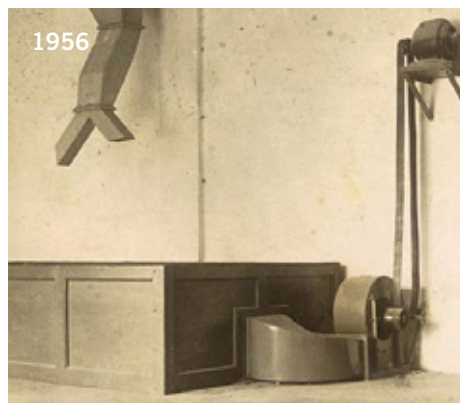
Zanin is future-focused, always up to date on modern machining systems and new technologies, and manufactures its products in line with the following principles:

- high specialization
- customized design
- quality of processes and products
- efficiency and flexibility
- problem solving corporate culture
- customer-first service



PATENTS © ZANIN F.LLI

- DRYER (1961)
- HARVESTING LETTUCE AND SIMILAR PRODUCTS (HYDROPONIC CULTIVATION) (1988)
- ERCL DRYER (1994)
- MOBILDY DRYER (1997)
- DUST STOP (2015)
- DRUM MALTING SYSTEM (2018)
- PUSH ROD DRAINAGE SHIPS' HOLDS FOR PORT MECHANICAL UNLOADER (2019)



01

THE COMPANY DESIGN & TECHNOLOGY



DESIGN

We design all our machines and plants in house at Zanin. Our Technical Department is composed of expert staff who use new generation 3D drawing technologies and systems. In this way we are able to identify and create the best solutions for every customer need.

PRODUCTION

Computerized control machines for cutting, bending and welding plates. Internal Precision Mechanics centre. Constant technological updates ensure precision and quality in the production of every one of our products.

CUSTOM SOLUTIONS

We create increasingly advanced and customized solutions, catering to our customers' needs from initial analysis and definition to final supply and completion of the project.



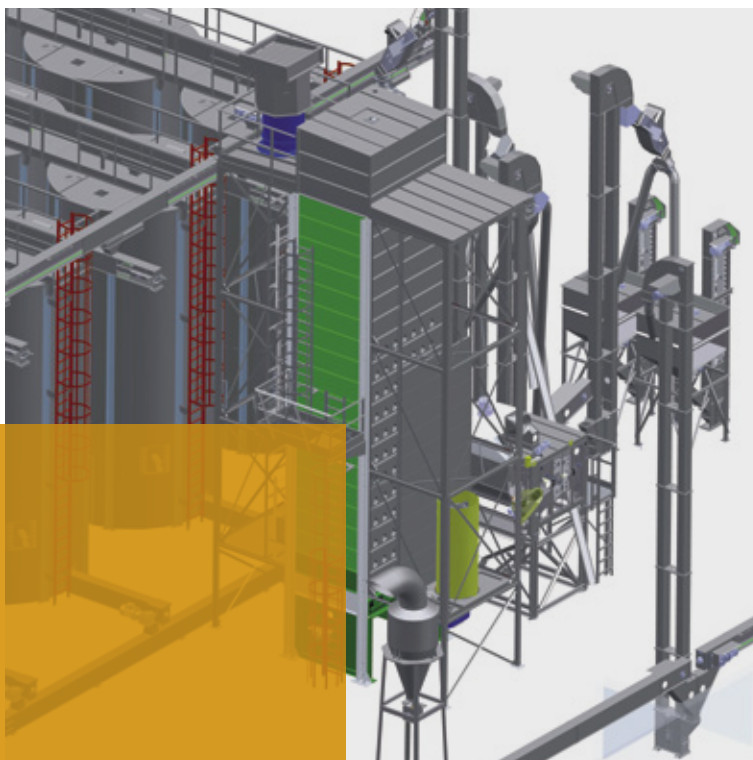






01

THE COMPANY SERVICES & CONSULTANCY



TECHNICAL CONSULTANCY

Our engineers provide customers with a detailed technical consultancy service on any Zanin machine and relevant plant. We also offer our consultancy on everything related to plants for agro-food and other industrial sectors.

TURNKEY PLANTS

We design and build complete turnkey plants. From cleaning to drying, from mechanization to storage. Made with unmatched experience of over 60 years.

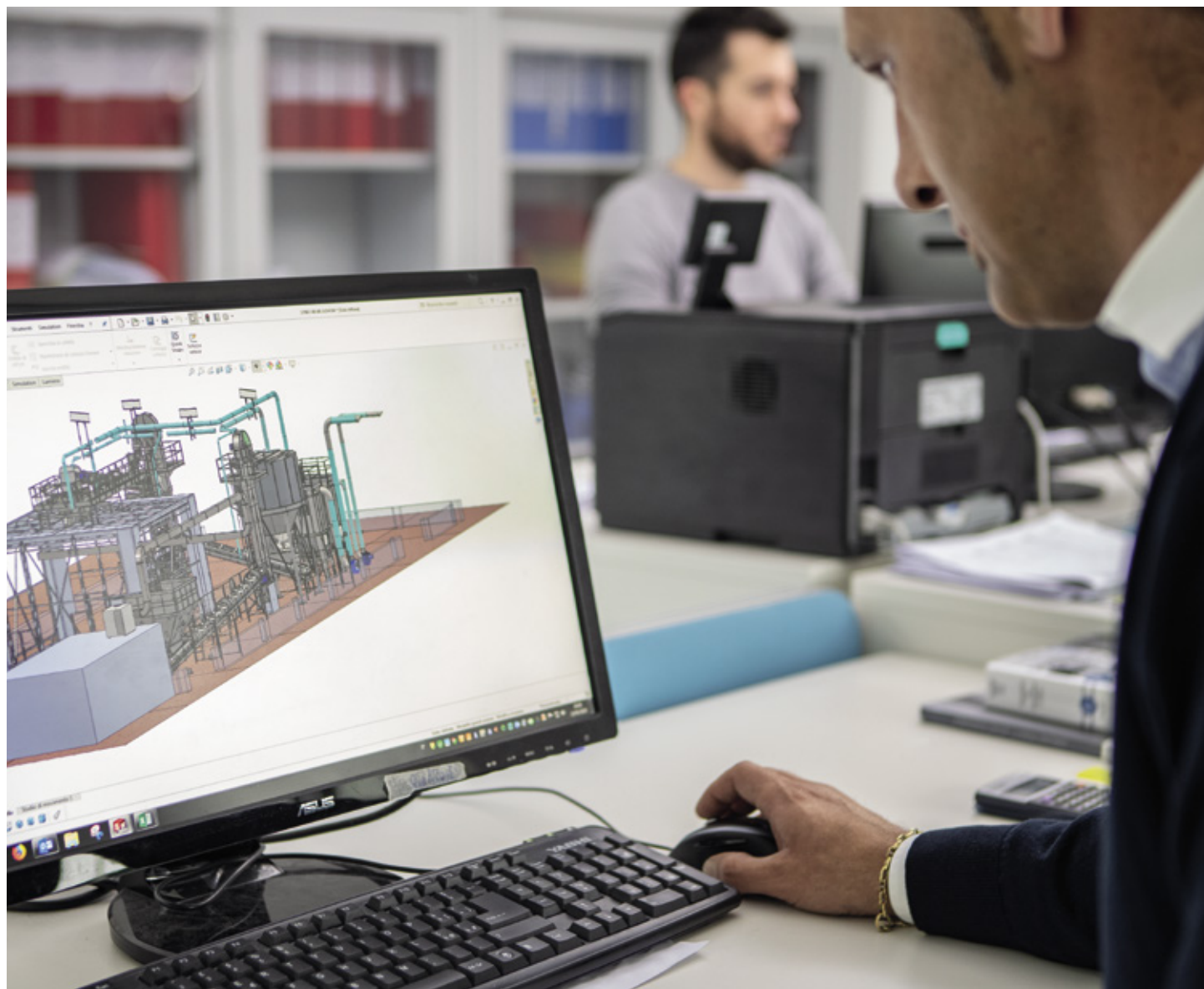
REVAMPING PLANTS

From the analysis of the customer's needs completion and finished product, all our solutions are tailor made.

AFTER-SALES ASSISTANCE

Our engineers perform scheduled and detailed maintenance on installations. They are involved immediately to resolve problems. They also provide technical consultancy and training to the staff of our customers.





①

02

1. Plant for the treatment and packaging of granular products, in stainless steel
2. 700 t/h port warehouse loading line
3. 700 t/h elevators head unit
4. Extraction from fluidized cone silos and redelivery
5. View of port mechanized warehouses

INDUSTRIAL PLANTS

②





①

02

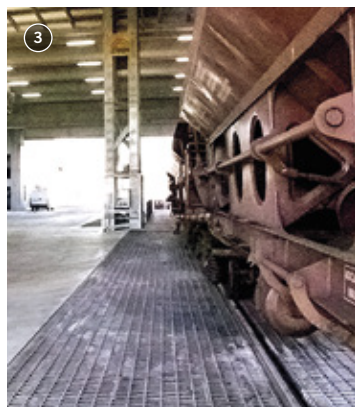
1. Quay belt conveyors with annexed Bridge Crane
2. Patented push rod for drainage ships' holds
3. 800 t/h belt conveyor with store loading tripper
4. Mobile port hoppers with duct aspiration system

PORT LOGISTICS PLANTS









①

03

- 1. View of cereals drying plant
- 2. Energy saving "ERCL" dryer
- 3. Continuous or recycling dryer
- 4. Dryer for "BIO" products
- 5. Dryer for paddy rice
- 6. "MOBILDRY" Mobile dryer

AGRO-INDUSTRY DRYING PLANTS



②



③





①

03

- 1. 200 t/h cereals cleaning line
- 2. View of sieve cleaner mod. PSS
- 3. Filtration unit for cleaners
- 4. View of sieve cleaner mod. PSC
- 5. Cleaning system for BIO products

AGRO-INDUSTRY CLEANING PLANTS

②





①

03

- 1. Storage line for lots of cereals
- 2. Cereals drying and storage centre
- 3. Product redelivery silos
- 4. Silos with square and rectangular cells
- 5. Channels ventilation
- 6. Cross ventilation

AGRO-INDUSTRY STORAGE PLANTS

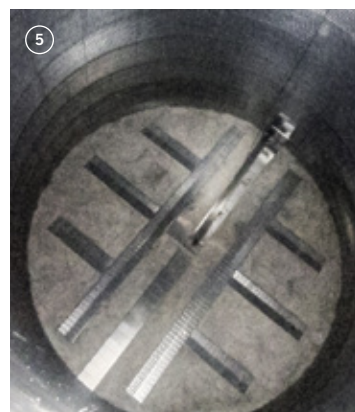


②



③





03

AGRO-INDUSTRY CLEANERS THE RANGE



QUALITY CLEANERS FOR CEREALS

Cereals, legumes, seeds and malts, guarantee a better quality and yield when well preserved. For this reason, the cleaning of these products to a high standard is essential to ensure proper conservation.

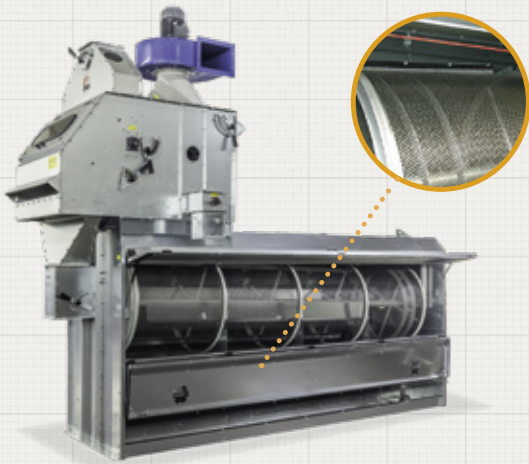
We specialise in high performing cleaners, offering innovative solutions to the new and changing demands of markets.

Perfect cleaning, correct calibration, careful selection and wise use of air are the basis of every machine that bears the Zanin logo.

MOBILE COMBI



ROTARY CLEANER WITH ASPIRATION



ROUGH DRUM



SIEVES CLEANER



ASPIRATION CLEANER WITH ROTARY DRUM DECANter



DEHULLER



HONEYCOMBED CYLINDER



03

AGRO-INDUSTRY MECHANIZATION CONVEYORS



PLANTS AND MACHINES FOR **HANDLING PRODUCTS**

We are world-leaders in product handling plants and machinery for both agro-industrial (cereals, flours, seeds and legumes) and industrial (fertilizers, sands, ashes, industrial by-products, etc.).

We utilise our extensive experience and professionalism to develop specific machines for every type of product to be transported, horizontally or vertically.

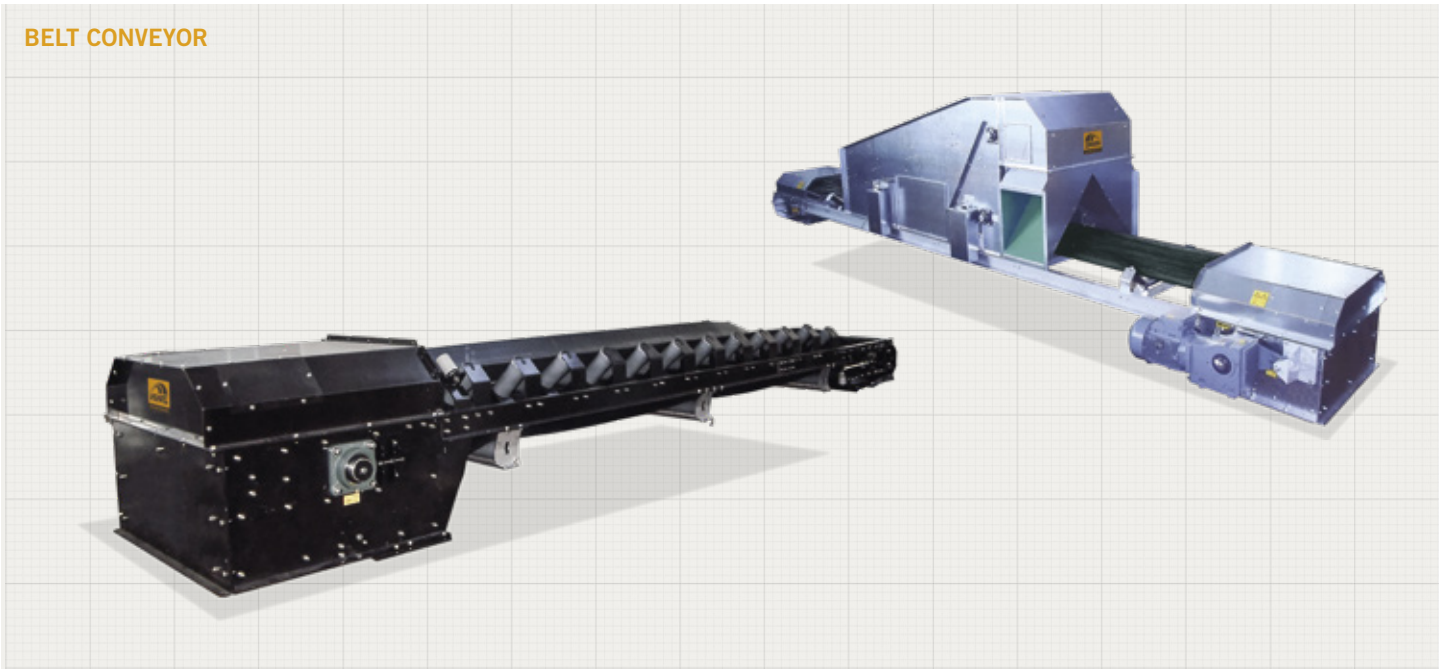
We have specifically designed solutions for products that are subject to easy breakage. We call them “KIND CONVEYORS”.

We design, produce and personalize chain, belt or pallet conveyors, bucket elevators, inclined mobile chain conveyors for unloading, redelivery hoppers and augers that are used in large ports and inter ports or in agro-industrial plants. As such, we guarantee high-quality, specialised machines for any type of use. We manage every project from start to finish on a turnkey basis.

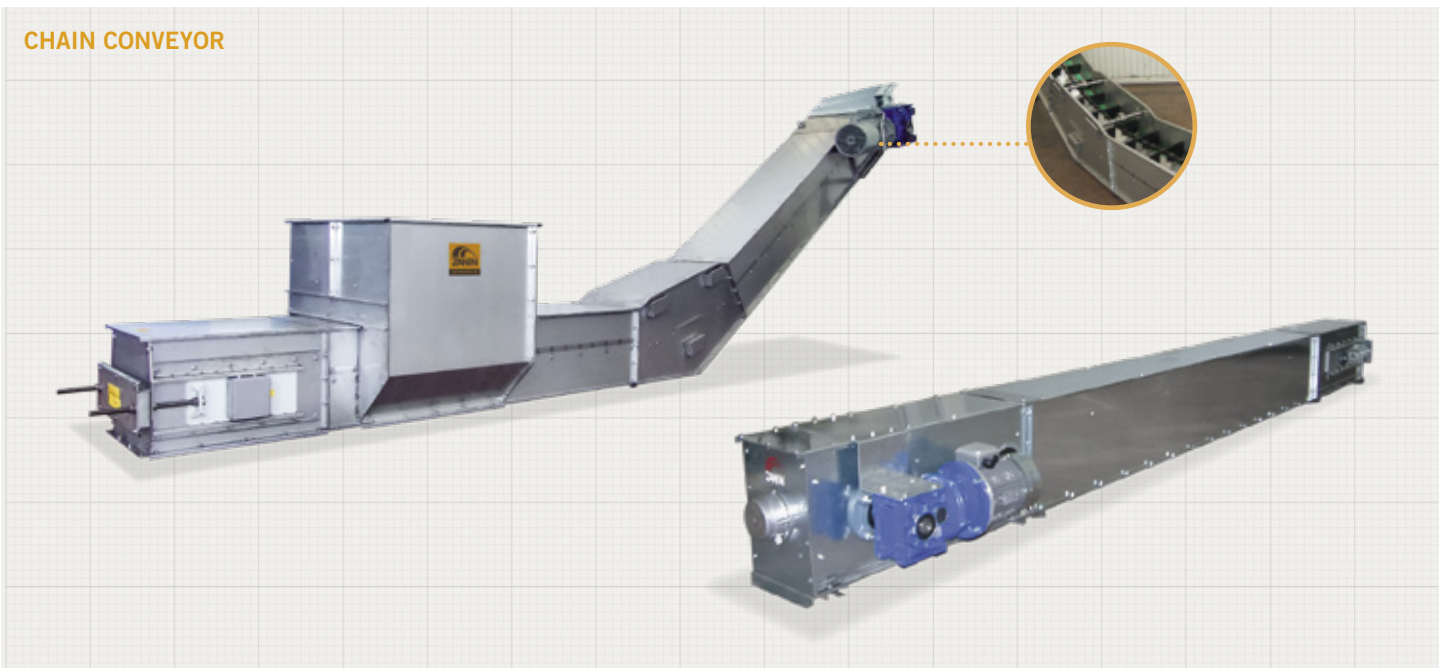
BUCKET ELEVATOR



BELT CONVEYOR



CHAIN CONVEYOR



MOBILE FEED HOPPER



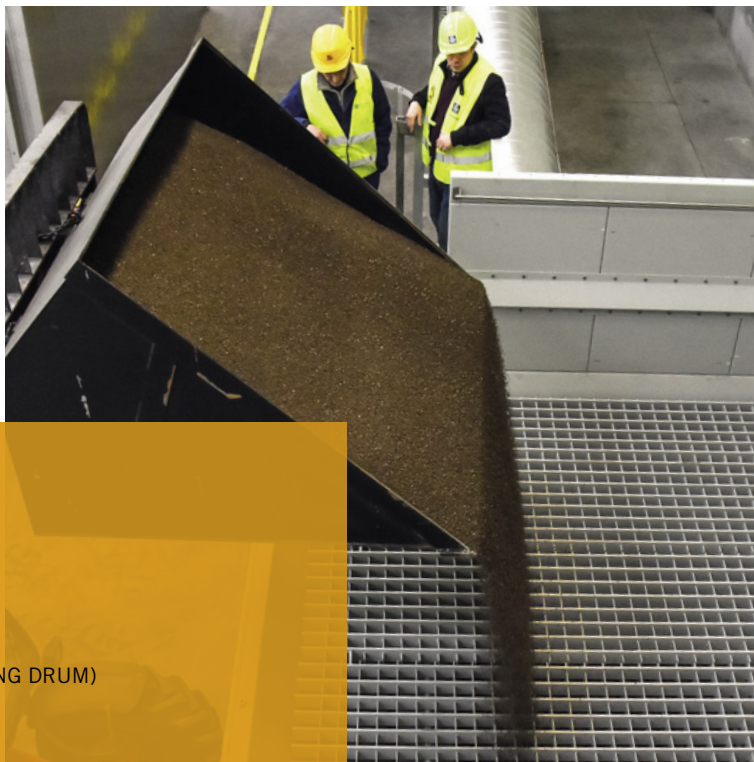
HOPPER CONVEYOR BLADES



03

1. Hopper for bulk loading
2. Drum for treatments (e.g. COATING DRUM)
3. Big-Bags bagging line
4. 25 Kg bagging line
5. Bags handling part

AGRO-INDUSTRY FERTILISER PLANTS



PLANTS AND MACHINES FOR **FERTILIZER** **INDUSTRY**

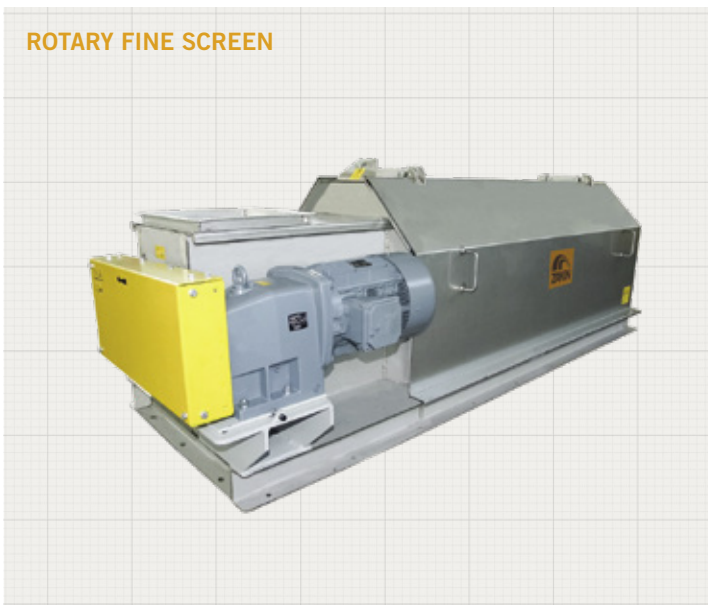
Our innovative technical solutions, systems and machinery are all designed to guarantee reliability and robustness over time. We strive for quality at every step, and combined with our experience and know-how accumulated over sixty years of passionate work, this means we can guarantee exceptional efficiency, quality and performance in all machines produced by Zanin.



"BIG BAG" CONVEYOR



ROTARY FINE SCREEN



VIBRATING-SIEVE



03

1. Feeding hopper cereals squeezing presses
2. View of crude oil filtration line

AGRO-INDUSTRY OIL PLANTS



EVO OIL SYSTEM

Our EVO oil system produces crude seed vegetable oil that is not chemically modified for use as fuel for diesel engines powered by vegetable oil, or for electrical vegetable oil co-generators.

It is used for:

- production of biofuel for farming machinery
- production of renewable electricity from co-generation to be sent to the grid

Our EVO oil system also allows machining oil seeds for crude oil to be refined for food use.



EVO OIL SYSTEM FOR RAPESEED



03

1. "Eco-friendly" packaged animal feed
2. View of hammer mill
3. Mixing unit
4. Greasing line
5. Animal feed production line view
6. Simple mixer
7. Discs mill
8. Shipping of animal feed and by-products

AGRO-INDUSTRY ANIMAL FEED PET FOOD



MACHINES AND PLANTS FOR **ANIMAL FEED** AND **PET FOOD**

Our innovative technical solutions, systems and machinery are all designed to guarantee reliability and robustness over time.

We strive for quality at every step, and combined with our experience and know-how accumulated over sixty years of passionate work, this means we can guarantee exceptional efficiency, quality and performance in all machines produced by Zanin.





03



DUST STOP HOPPER

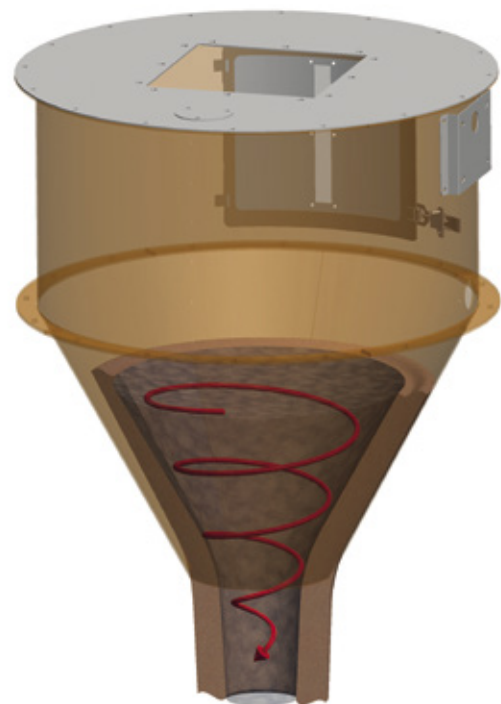


OUR **PATENTED HOPPER** THAT CONCENTRATES AND **BLOCKS DUST**

Our patented DUST STOP (DS) hopper is used for any type of dusty load and makes filtration systems unnecessary.

Our patented DS hopper system concentrates all dust particles inside the flow of the product (see flow diagram).

This ingenious innovation reduces the dispersion of dust that, otherwise, would be generated in the discharge phase of the product.







04

FOOD
INDUSTRY





We design and build machines and plants for the production of malt, the treatment of cereals, legumes and other food products.

Our systems are designed for any type of seed, with specific solutions for each production cycle: seed cleaning, selection and dehulling, transport in horizontal and vertical, storage and ventilation, dosing and mixing, flour grinding and packaging lines.

Our range of highly specialised and innovative systems and machines are the ideal solution in a constantly evolving market.



04

1. Malt production plant
MALT-T 40
2. Malt production plant
MALT-T 60
3. Cleaning and grading line
with steeping vessel

FOOD INDUSTRY MALTING SYSTEMS



MALT-T
20



MALT-T
40



MALT-T
60



MALT-T
120



MALTING SYSTEMS FOR CEREALS AND LEGUMES

Over the last 15 years, we have developed new and innovative solutions for medium-small malting plants.

Around the world, we are seeing increasing focus on localisation of ingredients, processes and products. The same applies now for breweries.

Precisely for this reason, the production of malt on-site is becoming essential for small and medium-sized breweries. Terms such as "origin", "territory" and "genuine" play an increasingly important role in customers' perceptions, particularly for specialty beers.

As such, the production of malt from local cereals now has greater value and popularity. This evolution also effects the growth in production of organic products.

For breweries, this means producing their own malt is becoming increasingly significant as a way to increase quality, efficiency and differentiate in the market. And today, thanks to Zanin, producing your own malt 'in house' is now possible.

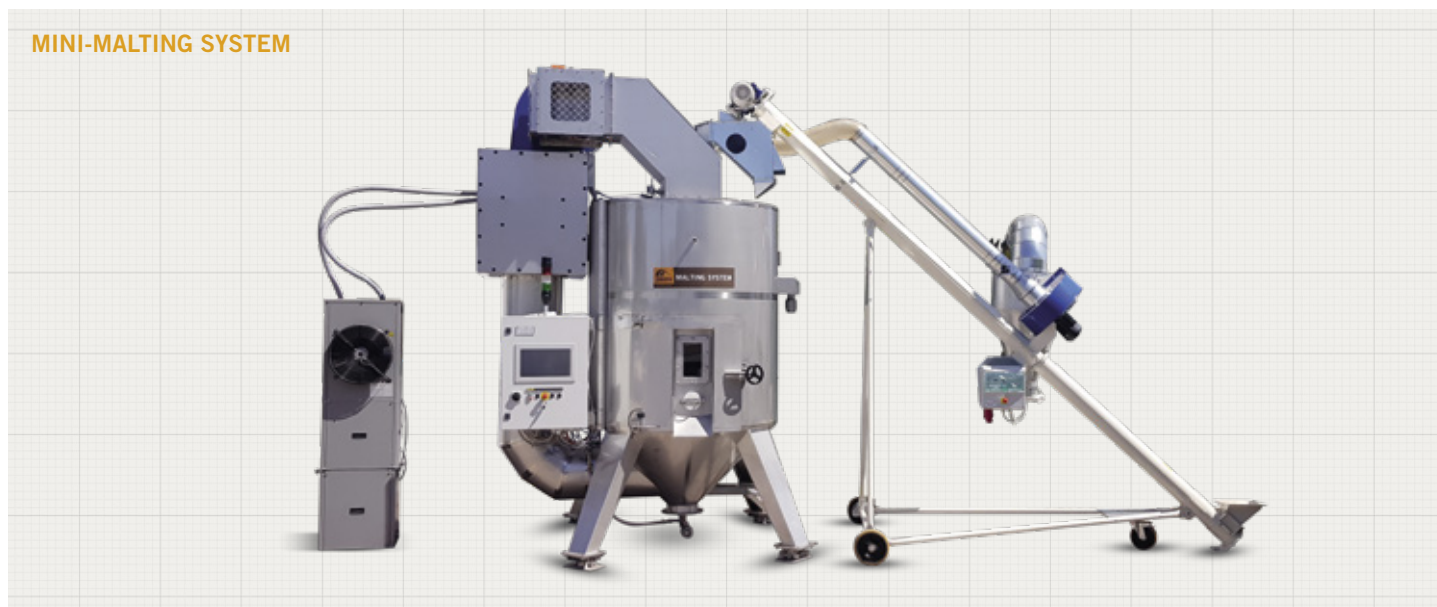


DRUM MALTING SYSTEM AND STEEPING VESSEL





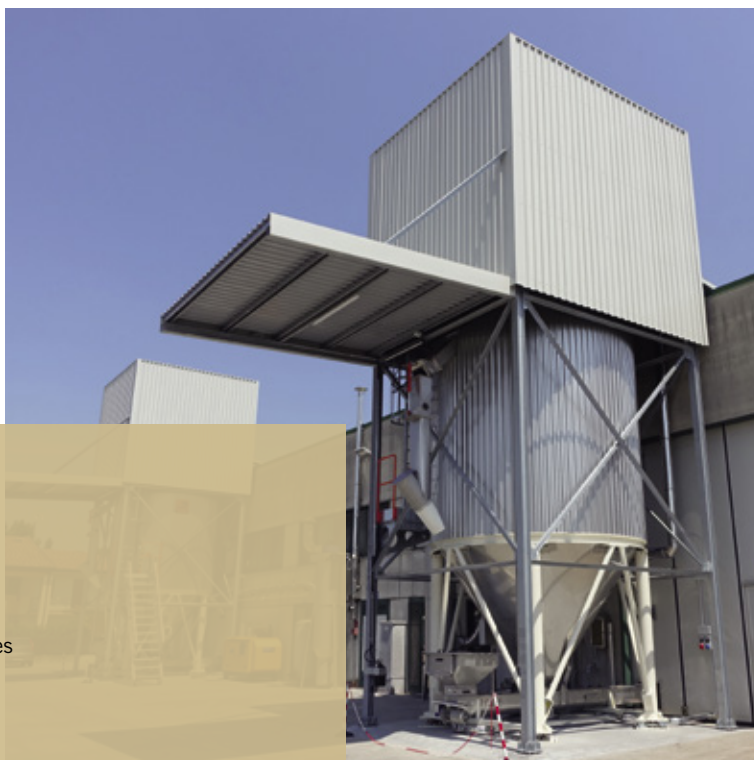
MINI-MALTING SYSTEM



04

1. Conveyors for packaging processes
2. Spelled dehulling plant
3. Plant for seed selection

FOOD INDUSTRY PLANTS



PLANTS AND SYSTEMS FOR THE FOOD INDUSTRY

The food market is constantly evolving. Increasingly, people want natural, high-quality foods. At Zanin, we play a leading role in the development of plants for the food industry, thanks to our vision, professionalism and experience gained over 60 years.

Modern technological plants for the production of malt.

Certified cleaners to process and transform cereals and legumes.

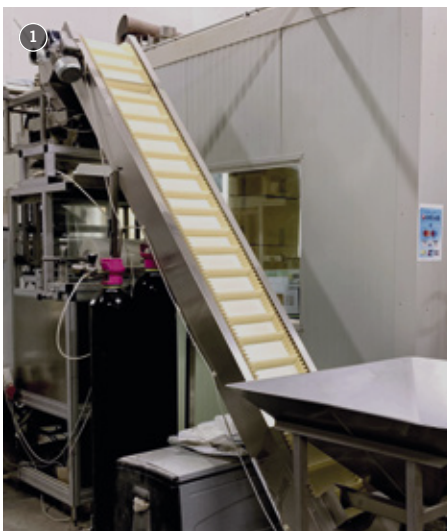
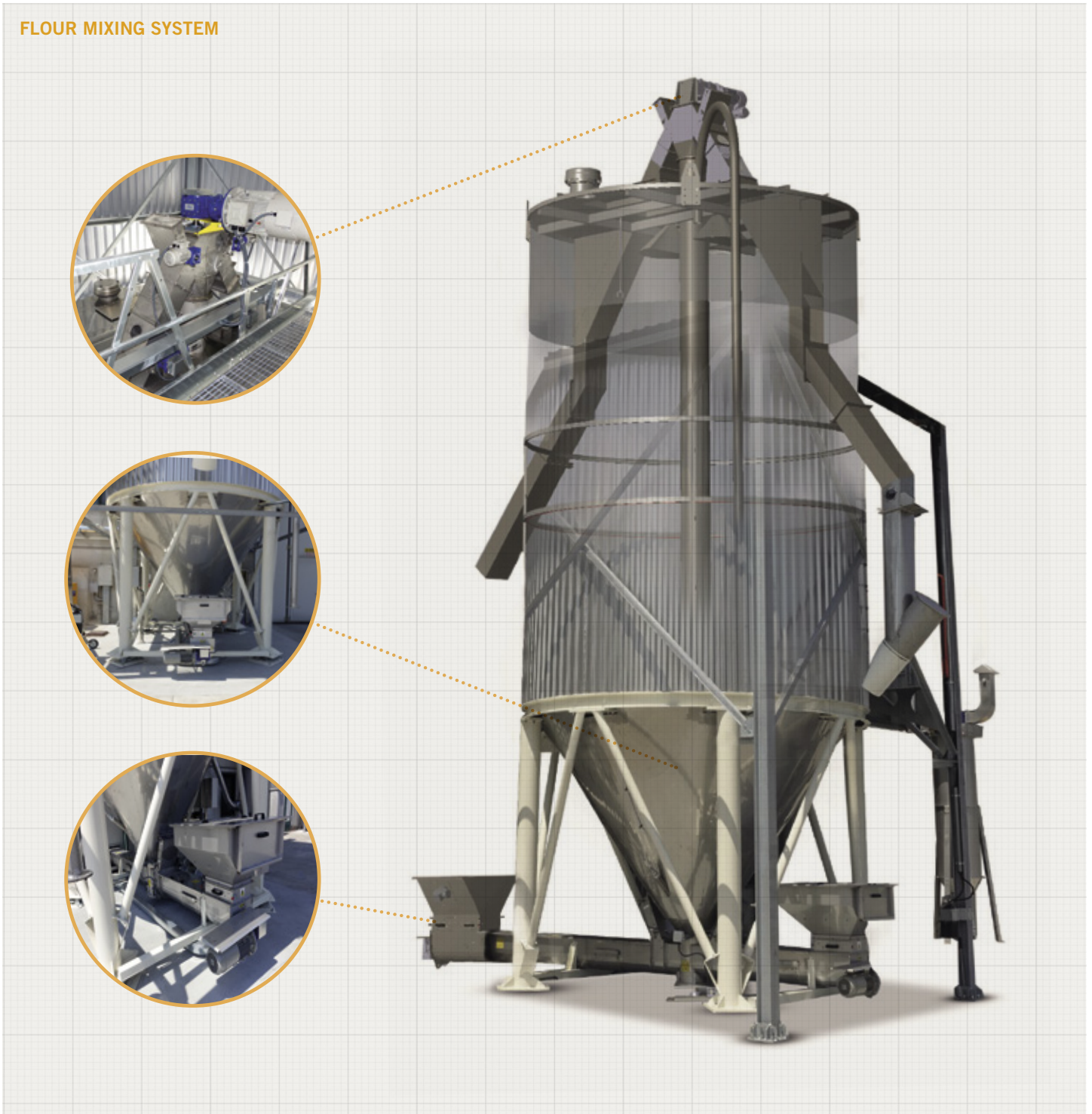
Automated flour mixing systems.

These are some of the certified systems that we design and manufacture to help you fulfil your consumers' needs and contribute to a better and sustainable future.



CELL STORAGE SYSTEM
with flat "anti-deposit" walls

FLOUR MIXING SYSTEM



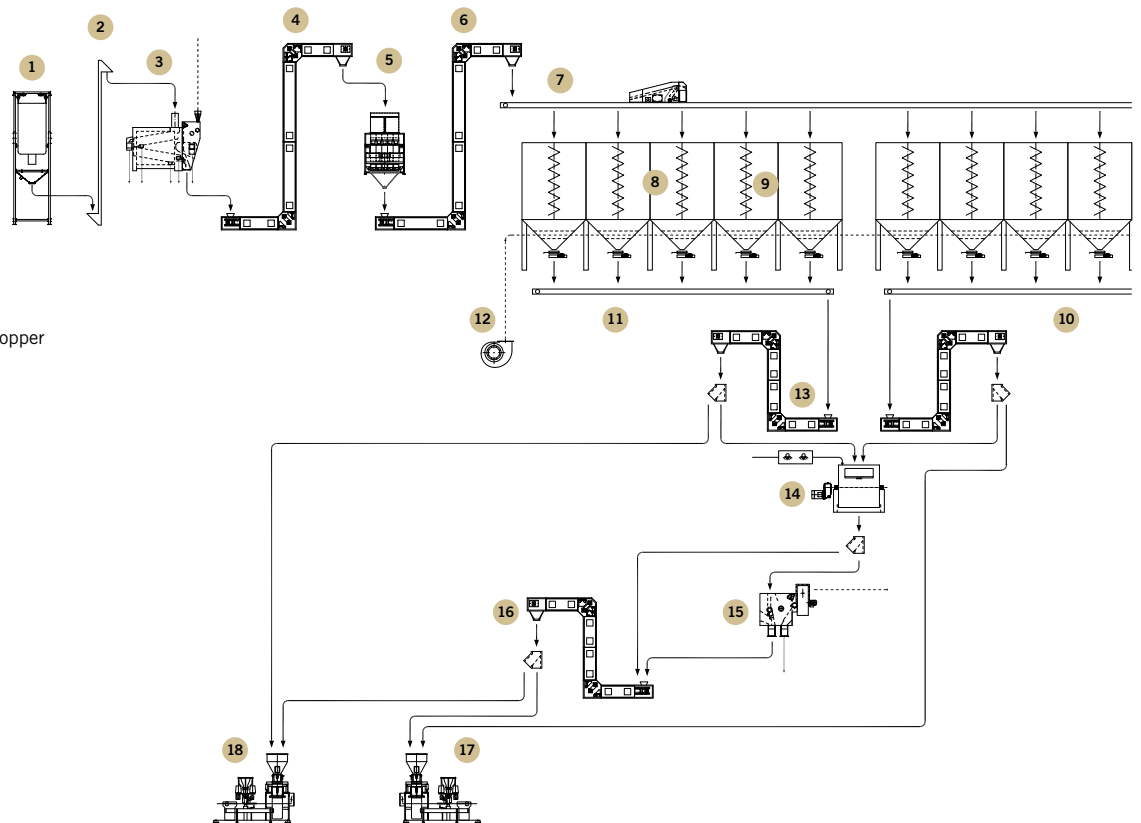
PENDULUM BUCKET CONVEYOR



04

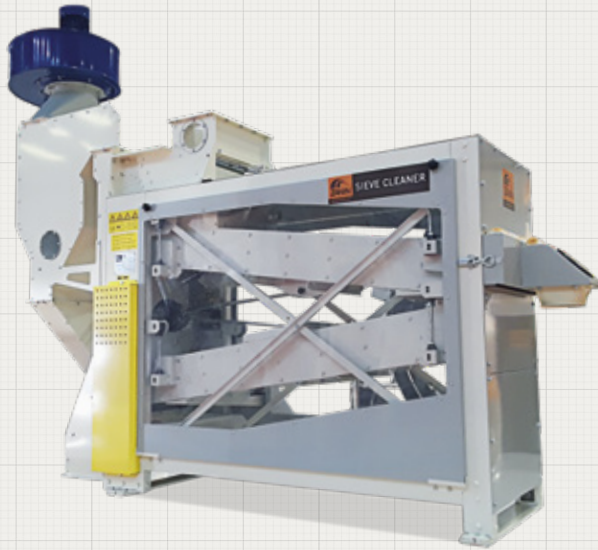
FOOD INDUSTRY MACHINES & SYSTEMS

We design, build and deliver innovative machines and systems for the food industry. Designed to guarantee reliability and robustness over time, we pride ourselves on ensuring optimum quality at every stage in processing, with particular attention paid to the sanitisation of processed product.



- 1 Big-Bags holder or alternatively hopper
- 2 Bucket elevator
- 3 Alternative Cleaner selection line
- 4 Vertical bucket elevator
- 5 Optical sorter
- 6 Vertical bucket elevator
- 7 Conveyor belt with truck
- 8 Storage silos
- 9 Spiral filling system
- 10 Conveyor Belt
- 11 Conveyor Belt
- 12 Vertical bucket elevator
- 13 Vertical bucket elevator
- 14 Mixer
- 15 Aspiration cleaner
- 16 Vertical bucket elevator
- 17 1 Kg Packaging Machine
- 18 10 Kg Packaging Machine

PSC 5 FOOD



VIBRATING SIEVE



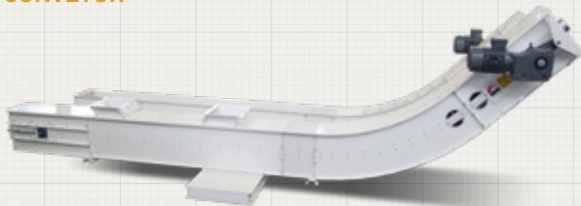
DISCS DEHULLER



BELT CONVEYOR



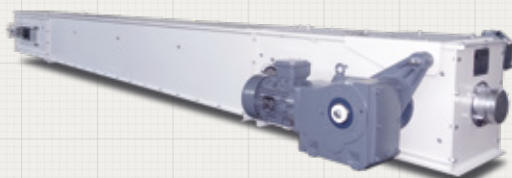
BLADE CONVEYOR



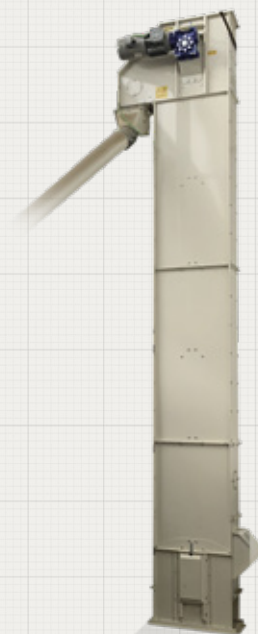
SCREW CONVEYOR



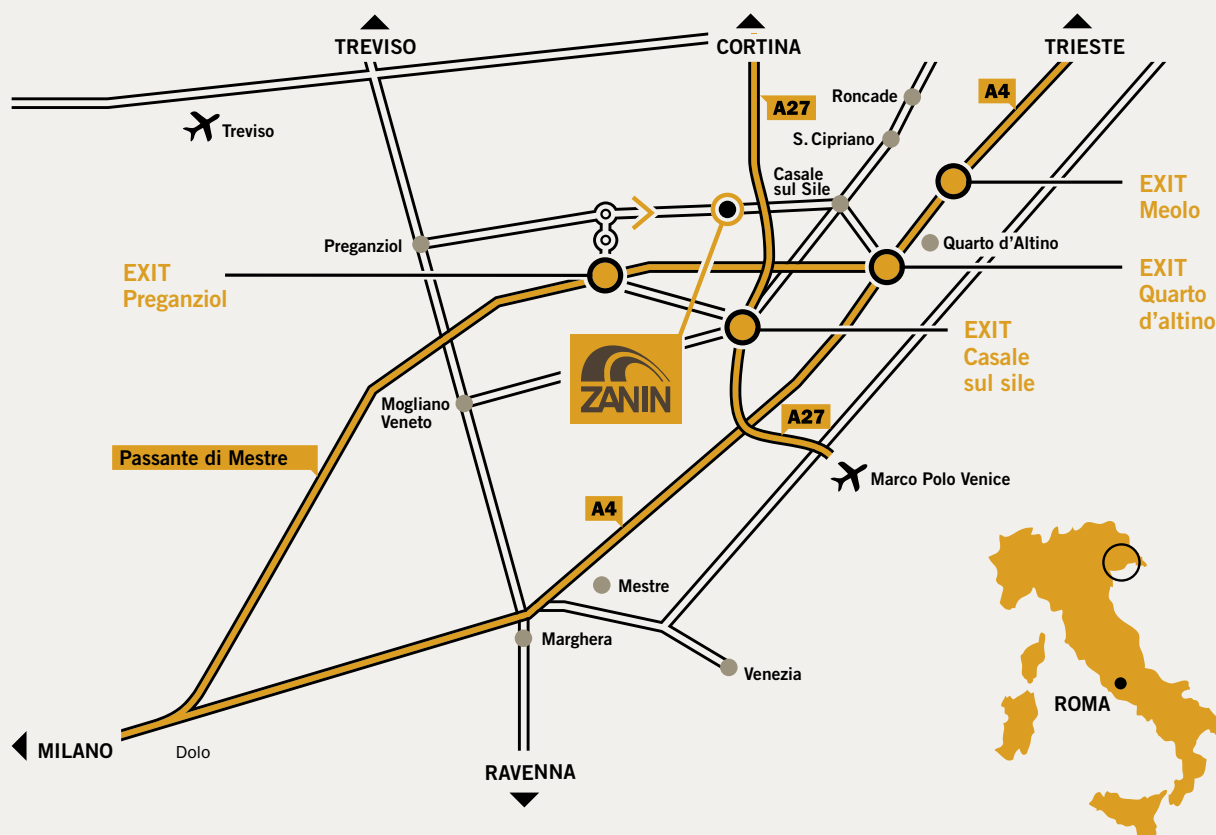
CHAIN CONVEYOR



BUCKET ELEVATOR



WHERE WE ARE



ZANIN F.lli s.r.l.
Viale delle Industrie, 1
31032 Casale sul Sile (TV)
Italy

T. +39 0422 785444
F. +39 0422 785805

www.zanin-italia.com

Discover all our Zanin products on
our website at zanin-italia.com



