

CAMEC®

HANDLING DIVISION

WHAT WE DO

Waste is a resource

CAMEC designs and builds
the technology to recover it.

Thirty years of expertise in industrial recycling and material handling.

Every machine, every plant starts from a specific project — engineered around the material, the process, and the output the customer needs to achieve.

Since 1993 — Made in Italy

RECYCLING
DIVISION

HANDLING
DIVISION

RECYCLING PLANTS
DIVISION

Three divisions — Recycling, Handling, and Recycling Plants — meet every industrial requirement, from individual machines to complete turnkey systems. A fully integrated operation, active internationally, with a single point of contact for every customer.

From turnkey supply and feasibility studies to 3D simulation, plant revamping, and after-sales support: every phase is managed by one team, with OEM spare parts and continuous technical assistance throughout the plant's operational life.

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Industrial Positioners

“Work hard in silence, let your success be the noise”

Ever since CAMEC was incorporated in 1993, we have always been known as “The Reliable Brand” recognized as a solid, dependable, and highly qualified manufacturer.

We never lose sight of our roots and we carry our Made in Italy legacy forward day after day on the international Recycling and Handling scene.

We are future-oriented, aware of where we’re going and certain that CAMEC is the most reliable choice for our customers.

Handling Division

Design and construction of machines for industrial material handling
MOVEMENTS FOR ALL YOUR NEEDS

Tippers



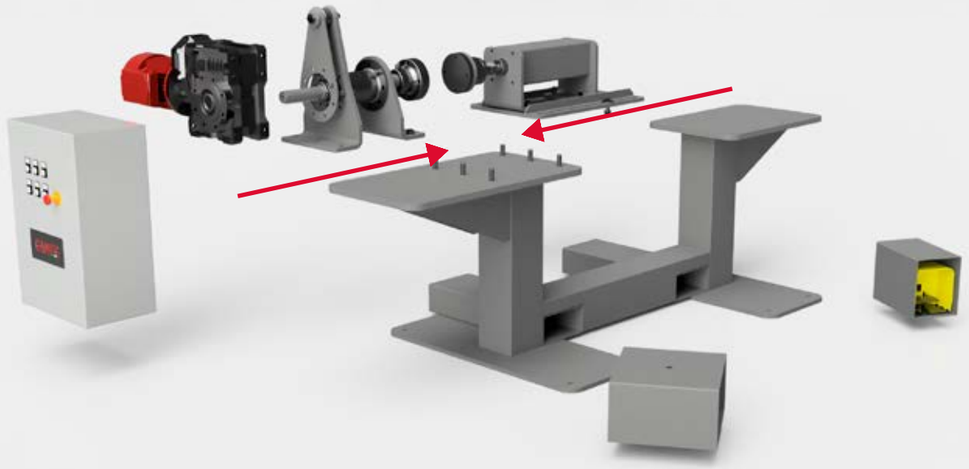
Tilters



Lifters



Positioners

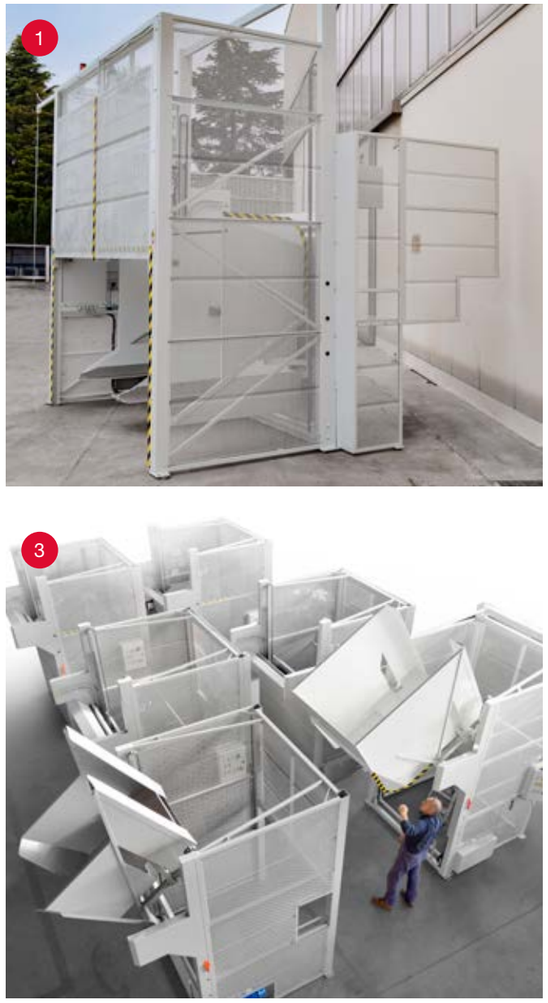


Industrial Tippers for Bins

The special feature of our tippers is in the electro-welded tubular iron structure with a mesh-enclosed cage. Another very popular feature of CAMEC machines is their perfectly vertical elevation at any height, which allows an extremely small overall footprint.

Always ready to listening to customer's needs, CAMEC can easily customise the standard version of its machines with tailor-made designs to suit particular working environments. Regardless of their configuration, CAMEC tippers are highly reliable machines that are easy to maintain, with a special focus on safety.

1. Particular attention to safety, including automatic bin locking devices and fall arrest devices
2. Possibility of customization to adapt to any work environment
3. Reliability and ease of maintenance





INDUSTRIAL TIPPERS FOR BINS

Front Discharge Single Tippers



watch the video

Ideal to meet all requirements for tipping medium-sized bins containing items that cannot be deteriorated.
The bin is automatically locked to the lifting platform by means of pneumatic bin locking grippers, and the mechanical bar above the bin retains the bin in the event of a sudden lack of air.
The two bin fall-prevention devices allow the bin to be raised safely up to the set height.
Once it reaches this height, the bin is tipped and once it has been emptied, it is returned to its position.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





INDUSTRIAL TIPPERS FOR BINS

Front Discharge Double Tippers



watch the video

These tippers are required for particularly heavy-duty work cycles.
The bins of items are automatically locked to the lifting platform by pneumatic bin locking grippers, and the mechanical bar above the bin retains the bins in the event of a sudden lack of air.
The two bin fall-prevention devices allow the bins to be raised safely up to the set height.
Once they reach this height, the bins are tipped and once they have been emptied, they are returned to their normal position.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





INDUSTRIAL TIPPERS FOR BINS

Side Discharge Tippers



CAMEC offers a special solution for confined spaces with machines that discharge laterally (right or left) to the loading side.
Ideal to meet all requirements for tipping medium-sized bins containing items that cannot be deteriorated.
The bin is unloaded on the left or right side of the entrance gate, depending on the customer's needs.
In this case, the trolley has only bin locking gripper.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





INDUSTRIAL TIPPERS FOR BINS

Tippers with Stainless Steel Coating for Food Use



watch the video

System with stainless steel coating only on the internal parts of the trolley in contact with the material or made entirely of stainless steel (except motor, gear reducer and lifting chains, lower drive shafts) for food use.
The tipper will be made entirely of AISI 304, except for the following parts:
- electric motor
- gear reducer
- lifting chains
- lower drive shafts

Surface treatment will be quartz microbead blasted.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine







INDUSTRIAL TIPPERS FOR BINS

Tippers with Discharge Dosing Systems



watch the video

Specific application with vibrating conveyor or vibrating screen, used whenever material needs to be cleaned of dust or chips present in the waste and at the same time to be distributed homogeneously for better separation in the subsequent phases.

Specifically, when the water-sprayed material is poured, the perforated bottom of the vibrating screen allows the water to permeate and flow into the lower level, which is equipped with a discharge pipe.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





INDUSTRIAL TIPPERS FOR BINS

Tippers with Metal Detector



This solution is used when the spilled plastic material needs an extraction of polluting ferrous and non-ferrous metal material.

CAMEC can easily customise the standard version of its tippers, with machines tailored to customer requirements.

CAMEC tippers are highly reliable machines, easy to maintain, with a particular focus on safety.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





INDUSTRIAL TIPPERS FOR BINS

Special Hourglass Tippers



watch the video

System for 180° tilting of an octabin allowing total or partial aspiration of the granule and return of the partially aspirated granule inside the octabin.
The upper stainless steel hopper is designed for suction of material through the opening with a closure.
Once positioned on the machine, the octabin is locked together with the pallet by means of pneumatically operated levers. When the octabin is locked in position, the tilting tank descends, actuated by a hydraulic piston. Once it has reached a position where no material can escape, this gives consent for the octabin to tilt 180° in order to discharge all the granular material it contains from the tank - which is now positioned in the lower part of the machine - and then make it flow through the suction pipe, which must be connected to it by the operator.







Dosing Systems

CAMEC tippers can be equipped with dosing systems for better distribution of the discharge of material.
This is essential to optimise the efficiency of downstream processes, while ensuring greater precision and reliability in the handling of materials.

1. **Guillotine Cover**
   Adjustable sheet metal panel, which, positioned on top of the trolley, allows adjustment of the material discharge opening.
2. **Gravity Cover**
   The cover is partly fixed and partly hinged, while the movable part of the cover is free to open according to the length of the chains.
3. **Cover with Pneumatic Actuator**
   A cover that is partly fixed and partly hinged, with the movable part of the cover controlled by a pneumatic-hydraulic actuator, which can retain the weight of the material during tipping until the actuator opening command.
4. **Cover with Motorised Hopper**
   High-performance dosing cover with a PLC-controlled pneumatic actuator with a spout and support surface on the octabin to allow the return of partially spilled preforms into the octabin itself.



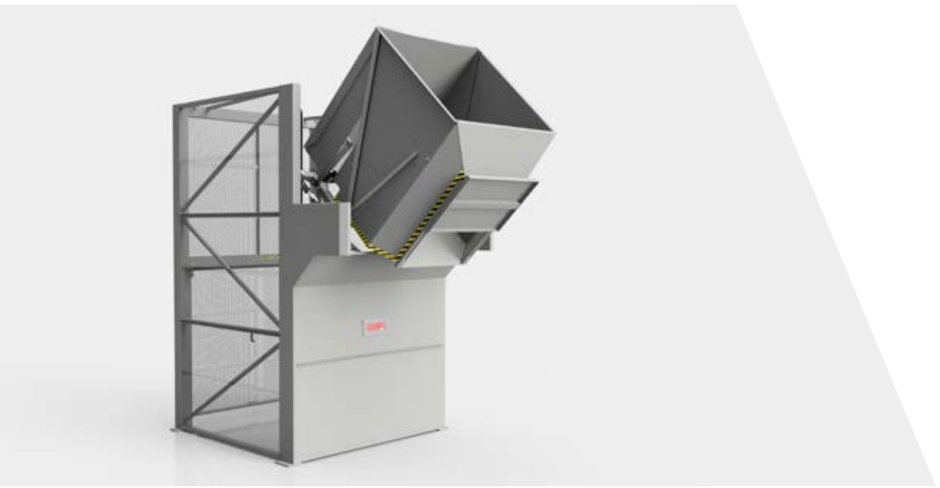






TIPPERS WITH DOSING SYSTEMS

Guillotine Cover



The guillotine cover provides safety, protection and ease of use during the load-tipping process. Its presence allows efficient handling of materials, minimising snags and increasing overall productivity.

Made of AISI 304 steel, it allows the material outlet opening to be adjusted.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

AISI 304 coating





TIPPERS WITH DOSING SYSTEMS

Gravity Cover



Made of sturdy steel sheet metal, the gravity cover is fixed to the tipper by means of hinges that allow it to open during spillage.

The outflow of material can be controlled by adjusting the chains securing the cover.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.





TIPPERS WITH DOSING SYSTEMS

Cover with Pneumatic Actuator



The pneumatic actuator uses air pressure to generate the force required to retain the load. This solution enables precise control over the opening and closing of the cover during the entire process.

Operators can activate the pneumatic actuator via an automatic or manual work cycle.

This system offers numerous advantages: the pneumatic actuator's ability to retain the weight of the material reduces the risk of accidental falls or spills during tipping, while the spill cycle, which can be modified by the operator, allows for optimised product dosing.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.





TIPPERS WITH DOSING SYSTEMS

Cover with Motorised Hopper



The motorised hopper is an essential component in automated dosing systems, used to manage the flow of bulk or granular materials.

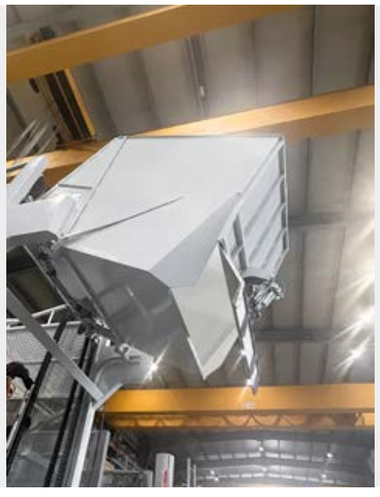
The dosing cover is equipped with a spout and a support surface on the octabin. These components allow the return of partially spilled preforms into the octabin.

Due to its precision and versatility, this device helps to optimise dosing operations, reducing waste and improving overall system efficiency.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.







Industrial Tippers for Special Applications

Custom design means that each tipper is created to meet the specific needs of the customer, taking into account factors such as the type of material to be tipped, bin sizes, production flows and any other special requirements. This approach ensures that the tipper is integrated seamlessly into the existing production process, thus maximising efficiency and productivity.

1. Each tipper is created specifically to meet customer requirements
2. The combination of tipper and shredder allows you to optimize space, reduce costs and ensure an efficient and functional plant
3. Flexibility to adapt to different requirements for bin lifting and tilting











Front Discharge Tippers in PET/YOGHURT Shredding Plant



The combined and integrated solution with front discharge tipper and GRR280 single-shaft shredder is suitable for handling and shredding plastic pots containing yoghurt.

The water spray nozzle system in the shredder hopper facilitates cleaning of the plastic.

Choosing a combined tipper-shredder solution allows you to optimise the potential of the different machines, because the tools are designed from the start to work synergistically.



AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





Front Discharge Tippers in Aluminium Shredding Plant



watch the video

Combined and integrated solution with front discharge tipper and GSR480 single-shaft shredder for handling and shredding aluminium chips.

Choosing a combined tipper-shredder solution allows you to optimise the potential of the different machines, because the tools are designed from the start to work synergistically.



AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating





Front Discharge Tippers for Preforms with Special Conveying Hopper



Front discharge tipper for preforms with special conveying hopper.

Customised pneumatic loading hopper with two positions at 0 and 45 degrees.

The tipper is designed to be stationary or mobile by means of manually retractable wheels.

It has a double pneumatic vibrator in the bin floor.





Frontal Tippers with Special Loading Height



Tipper with entry gate height in special configuration.

For special types of handling, the operator can load at a preset height, which saves time as the process only involves tipping the bin but not lifting.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating







INDUSTRIAL TIPPERS FOR SPECIAL APPLICATIONS

Trolley-mounted Tippers



A trolley-mounted system that allows the tipper to be moved if the tipping process needs to be carried out in different areas of the factory.

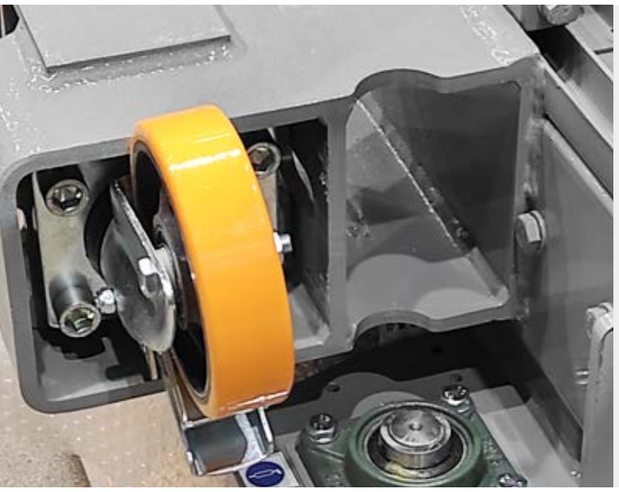
The trolley-mounted system facilitates the operator's work while maintaining high safety standards.

TECHNICAL SPECIFICATIONS

- Electric-pneumatic operation.
- Chain lifting transmission.
- Bin locking grippers.
- Bin locking bar.
- Pneumatic valve for bin locking.
- Door retainer timed micron.
- Pneumatic-electric safety valve.
- Air connection: 90° connection for Rilsan hose diam. 8.

AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating







INDUSTRIAL TIPPERS FOR SPECIAL APPLICATIONS

Tippers with Automated Loading System



System for lifting, tipping and dosing of various materials for hardening treatment.
The system includes a lift/tipper where the operator can use a forklift truck to introduce the bin of materials to be treated.
By means of an electric motor, the lifter activates a chain lifting system that will lift the bin to a height, while the eccentric cams will rotate the bin until it is completely emptied.
The emptying cycle will be controlled by means of a time editable PLC and can involve partial emptying.



AVAILABLE VERSIONS

Cover with pneumatic actuator
Gravity cover
Cover with motorised hopper
Cover with guillotine
AISI 304 coating







Industrial Lifters

Our lifters allow preforms to be elevated within the rectifier connected to the PET bottle blower.

They consist of a suitably braced support structure for the preform containment hopper made of AISI 304 stainless steel with a PEHD cover inside.

The hopper is equipped with full/empty hopper photocells connected to the electrical system.

Under the tank there is a tipping system to bring the preforms close to the food grade PVC elevation belt, up to the required height.

1. Structure specifically designed in AISI 304 stainless steel
2. Accurate and controlled preform feeding frequency
3. Reliability and ease of maintenance







Industrial Lifters



Industrial preform lifter for PET bottle processing.

It has a stainless steel structure and is connected to a conveyor belt including a loading hopper.

The elevation belt is equipped with an inverter to adjust the speed.

Possible solution combined with a tipper.







Industrial Tilters

CAMEC Tilters are ideal for all requirements for positioning medium-sized bins containing items that cannot be deteriorated.

Hydraulic-pneumatic piston control unit positioned in the upper part of the left fairing.

1. Structure consisting of reinforced iron tubes, with closed cage and integrated mesh
2. Tilting system by means of hydraulic piston
3. Electrical control cabinet positioned on the side







Industrial Tilters



The bin containing the items is placed on the lifting platform, which lifts it to the set height.

Once this height has been reached, the bin is tilted allowing the workpieces inside it that are to be used for the next processing step to be picked.

Once emptied, the bin is returned to its normal position and let out through the door through which it entered.

CARATTERISTICHE TECNICHE

- Reinforced tubular iron structure with mesh-enclosed cage.
- Presence of 200 x 100 pipes for lifting with forklift truck.
- Electrical control cabinet positioned to the side (RH and LH versions).
- Tipping system by means of hydraulic piston.
- Complete with brackets for handling with forklift truck.





Industrial Positioners

CAMEC Positioners are ideal solutions to meet all requirements for positioning objects or foundry castings that need to be processed manually or in the outer-inner profile.

1. The steering pedals integrate rotation and clamping of the workpiece
2. Maximum reliability and safety for the operator
3. 1.5 kW self-braking motor



Industrial Positioners



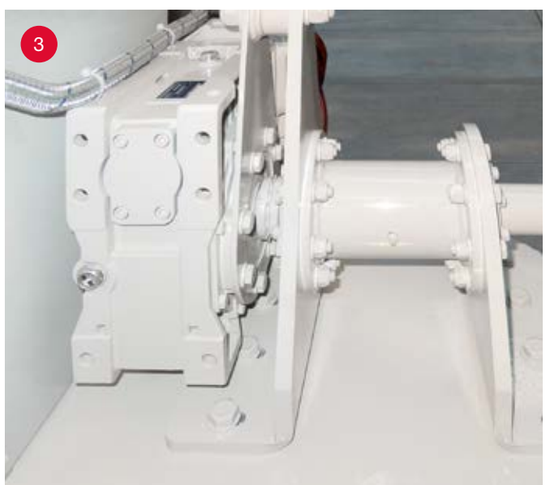
Mobile pedals close to the machine allow the operator to pneumatically lock-unlock the workpiece, but also to rotate it in a counter-clockwise direction by means of a gearmotor; manoeuvring using the foot ensures the operator's hands are completely free to carry out the work.

This guarantees maximum reliability in positioning the workpiece and consequent safety for the operator.

CARATTERISTICHE TECNICHE

- 200x200 mm HEA structure.
- 1.5 kW self-braking motor with double polarity, 4 poles 50Hz.
- Inverter to control the rotation speed from 6.5 to 12 rpm.
- Rotation system using a worm gear reducer with pre-torque.
- 150 mm stroke pneumatic piston clamping system complete with safety valve.
- Control pedals for workpiece rotation and clamping in a single support with 2 m. of free cable on board the machine.
- CE-compliant electrical cabinet.









MY CAMEC — CREATING VALUE OVER TIME

A plant's value isn't measured at delivery

It is measured in production.
Under load.
Over time.

MAINTENANCE IS PART OF PERFORMANCE

After-sales service is not an accessory — it is an essential component of every supply. MY CAMEC keeps machinery and plants at peak performance — from start-up through to end of service life.

A plant performs as well as its maintenance. With scheduled interventions, OEM spare parts, and continuous technical support, MY CAMEC ensures:

- Sustained high performance over time
- Reduced downtime and operational costs
- Greater component life and reliability
- Uninterrupted operational continuity

SERVICE PORTFOLIO

CAMEC support does not end at delivery. We work alongside our customers with training, direct assistance, and continuous updates — so that the performance agreed at the engineering stage is maintained for the full service life of the plant.

- Residual life assessment and plant revamping
- Remote and on-site technical assistance
- OEM spare parts with fast lead times
- Scheduled maintenance — routine, corrective, and opportunistic
- Customised annual, biennial, and triennial service programmes
- Operator training and ongoing technical updates

MY CAMEC: because the value of a plant doesn't end at delivery.



CERTIFIED QUALITY

International standards

Internal control.
Across every phase.

CAMEC operates to certified standards in Italy and Spain, with direct control from design through to installation. Certifications are not a compliance exercise — they are the result of a quality system built over time.

ISO 9001
Quality Management

ISO 1090-1
Steel and Aluminium Structures

ISO 14001
Environmental Management

SOA
Public Works Certification

EcoVadis
Corporate Sustainability

Impresa 4.0
Digital Transformation



Custom-engineered is not an option.

It is our starting point, our working method, and the measure against which we evaluate every result.

Since 1993 — Made in Italy

TELL US ABOUT YOUR PROJECT
We provide you with the most appropriate SOLUTIONS based on your specific technical needs.

CAMEC continuously improves its products based on customer feedback; the data, descriptions, and images in this catalogue are therefore indicative.

Rev. 4.5

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