

COMPACTOR FOR EXPANDED POLYSTYRENE

The increase of industrial production has led to waste management in different way, moving from an unproductive good to a profit-producing good for the company.

The compaction of packaging waste, usually very voluminous, results to be very advantageous and helps companies to save the storage space, as well as transporting of the material itself.

With this perspective, COMAV has included in its production range different types of recycling compactors, from dry to wet polystyrene.

The compactor can be supplied with various accessories, such as pre-breaker, and assembled with a complete shredding and compaction system.



Average reduction ratio

40:1

Volume

28:1

Density



Expanded polystyrene

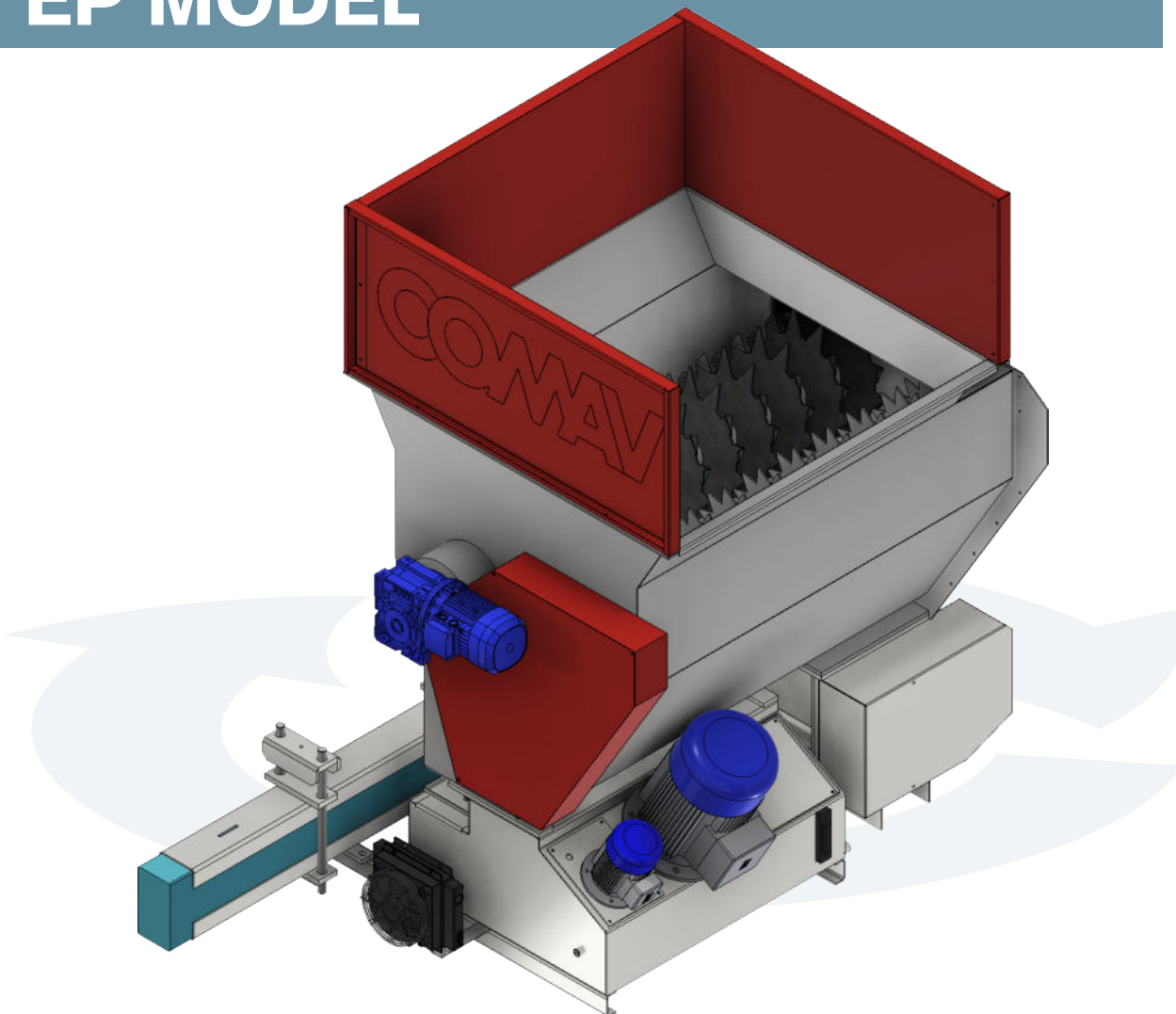


Compaction and volume reduction



Value of the scrap

COMPACTOR FOR EXPANDED POLYSTYRENE EP MODEL

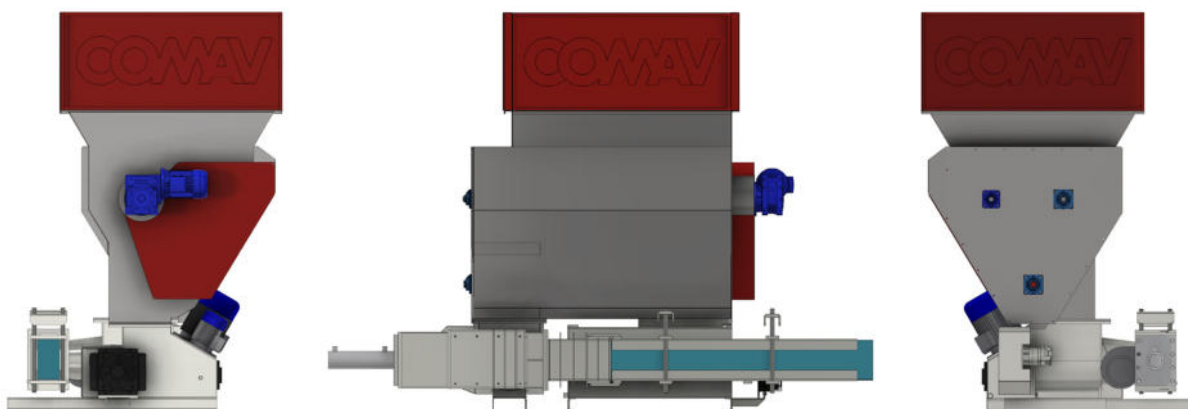


The machines are built in compliance with the regulations in force and provided with CE mark.

Compactors suitable for the recovery of expanded polystyrene packaging, with low moisture content. The packaging is transformed into dense blocks, which can be easily arranged on pallets, allowing transport and optimization of storage for recycling.



COLD COMPACTION TECHNOLOGY: avoids the crystallization of the polystyrene, keeping its value unchanged

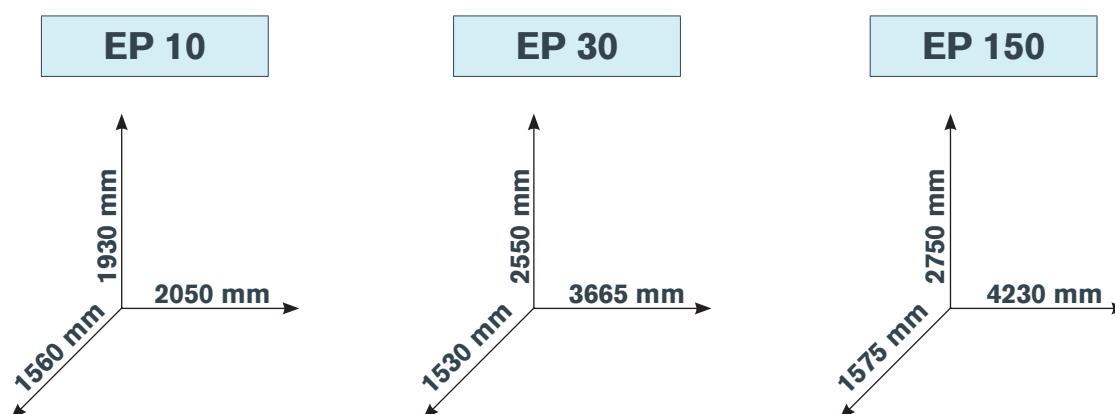


TECHNICAL FEATURES

	EP 10	EP 30	EP 150
Capacity	10-15 kg/h	30-40 kg/h	100-150 kg/h
Dimensions of the discharge mouth	180x80 mm	250x135 mm	350x215mm
Achievable density	350 kg/m ³		
Installed power	4,0 kW	9,0 kW	17,5 kW

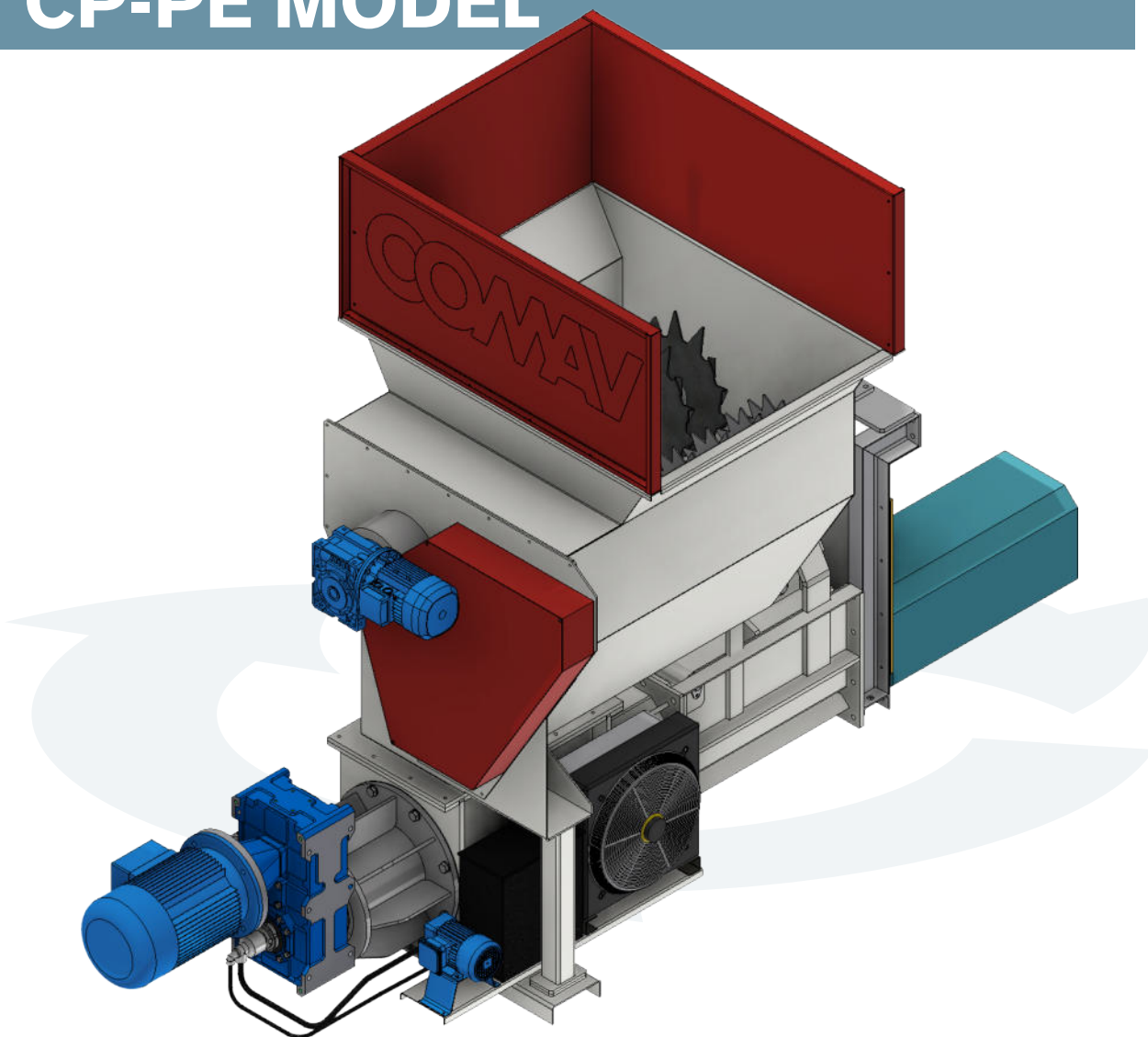
DIMENSIONS OF THE MACHINE WITH PRE-BREAKER

for other versions, please contact COMAV



The measures are to be considered indicative and subject to changes with reference to the type of project.

COMPACTOR FOR EXPANDED POLYSTYRENE CP-PE MODEL

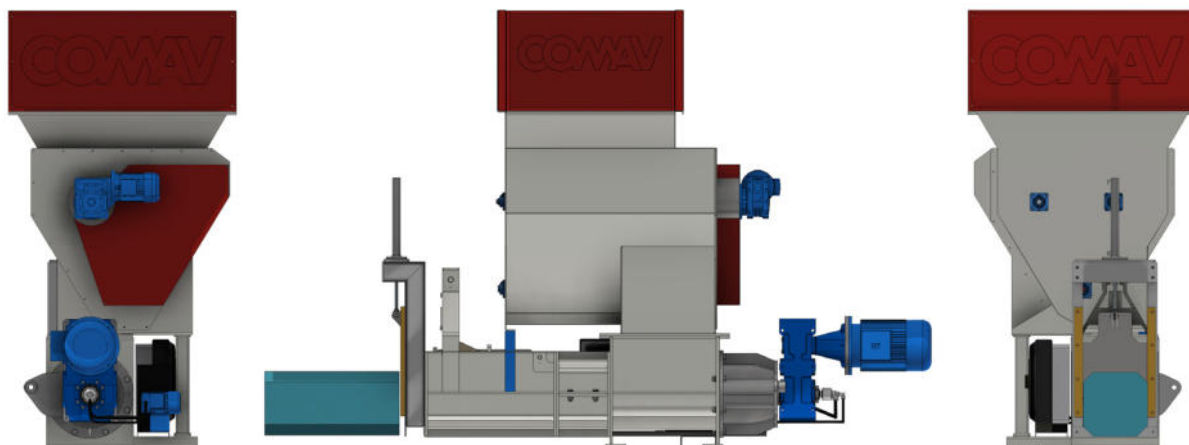


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Compactors of reduced size and extremely simple, designed to compact fish boxes, trays and other types of wet, clean or contaminated EPS packaging.



PATENTED TECHNOLOGY of the internal cooling system that avoids the overheating of the material and its possible melting.

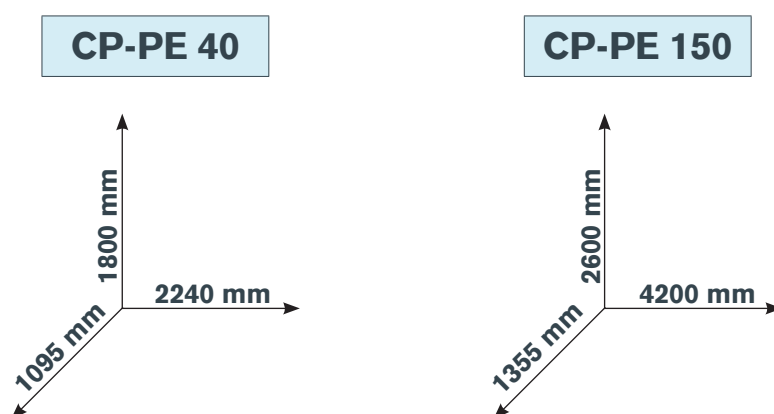


TECHNICAL FEATURES

	CP-PE 40	CP-PE 150
Capacity	30-40 kg/h	80-150 kg/h
Dimensions of the discharge mouth	210x210 mm	380x380 mm
Achievable density	200-330 kg/m ³	300-400kg/m ³
Installed power	7,5 kW	18,0 kW

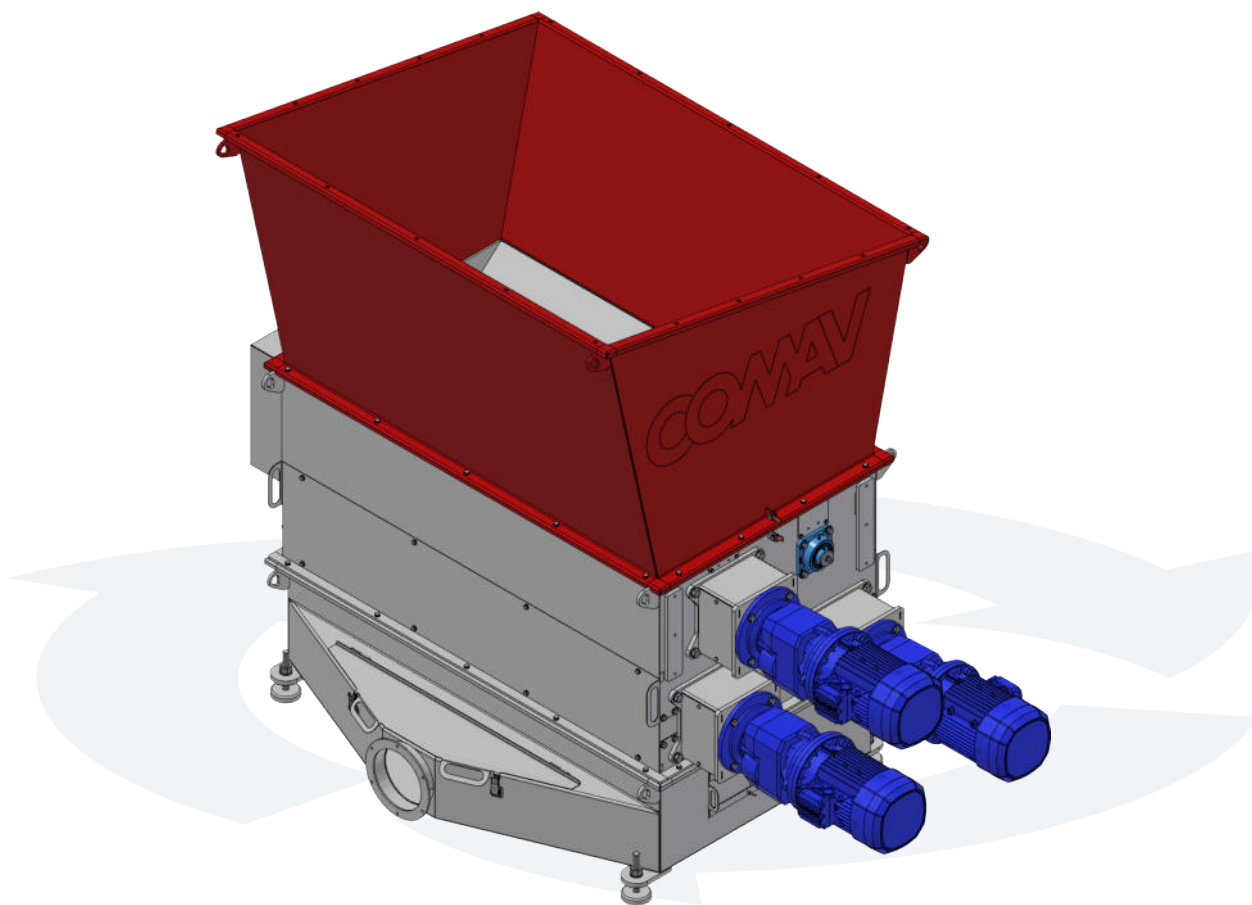
DIMENSIONS OF THE MACHINE WITH PRE-BREAKER

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GRINDER MILL AND CRUSHER MILL



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GRINDING MILL

mod. MM30 for expanded polystyrene waste, with loading hopper with double pre-crushing shaft with opposite rotation, lower grinder with double rotating shaft with contrast slippers and electrical control panel.



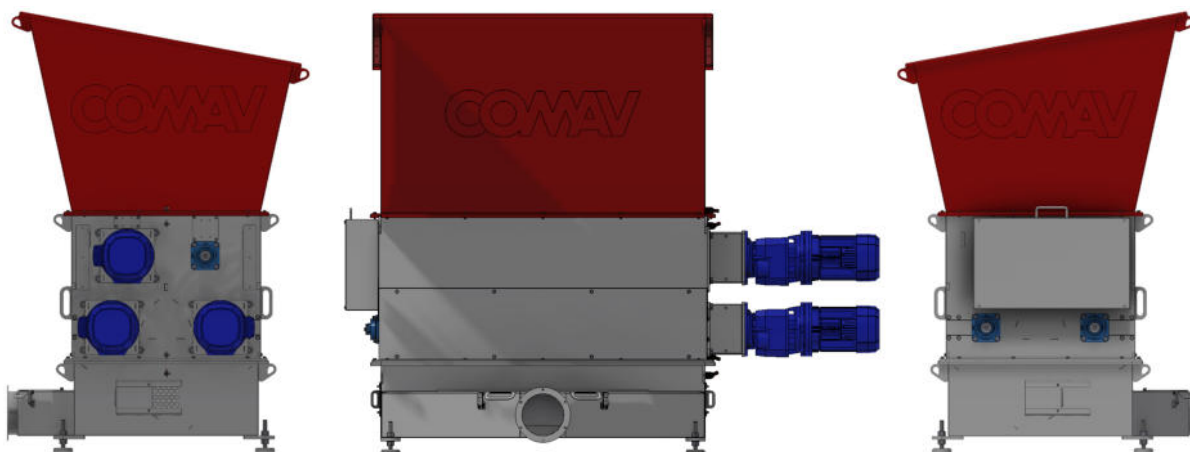
The EPS is ground in order to obtain very fine pieces

CRUSHING MILL

mod. MF40 for sheets, strips or preforms of expanded polystyrene with loading hopper of maximum width 1200 x 1500 mm, with double crushing shaft with opposite rotation system, lower grid and electric control panel.



The polystyrene is crushed to obtain much coarser pieces



TECHNICAL FEATURES

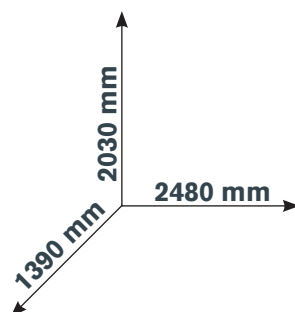
	GRINDER MILL	CRUSHER MILL
Installed power	15 kW	11 kW
Inlet dimensions	1200x1500 mm	
Sieve hole diameter	Std ø 12 mm	ø 40 mm
Productivity (*)	10 - 30 m³/h	60 - 70 m³/h max

(*) according to the density of the material to be ground and the diameter of the sieve holes

DIMENSIONS OF THE MACHINE WITH PRE-BREAKER

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GRINDER MILL AND CRUSHER MILL



ACCESSORIES FOR COMPACTORS

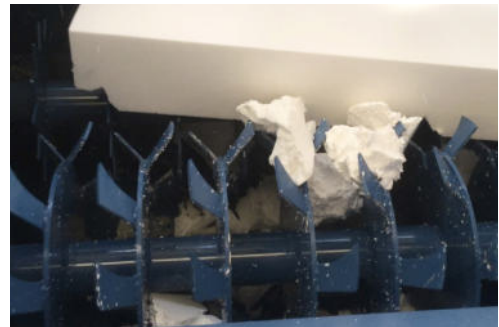
CUTTING UNIT

of the compacted block, with electro-pneumatic control, with the possibility of setting the block length, according to specific needs.



REINFORCED REELS PRE-BREAKER

for EPS blocks with density $\geq 30 \text{ Kg/dm}^3$.



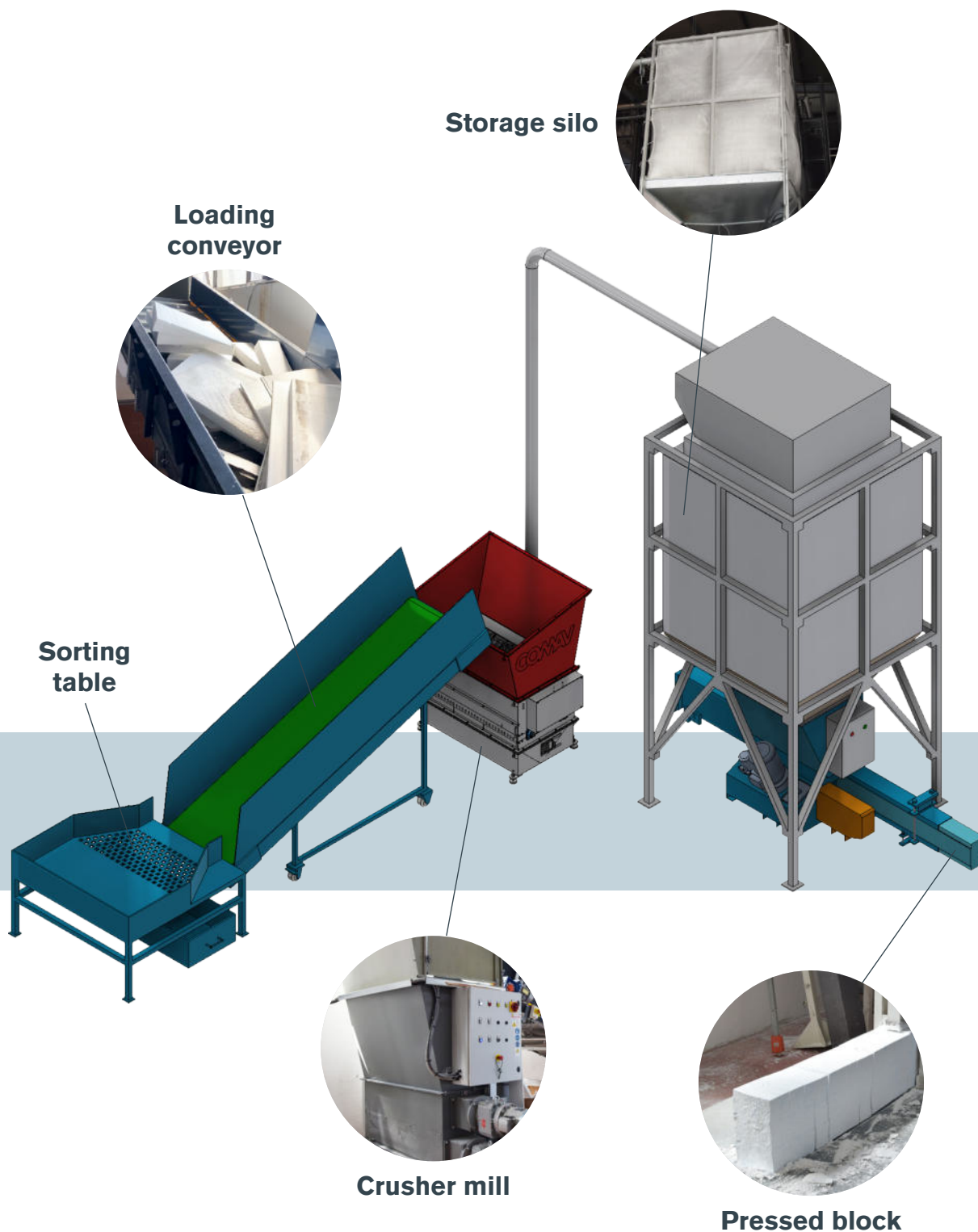
LOADING HOPPER

in painted carbon steel complete with flexible sleeve for connection to the discharge of any storage silo, if provided..



COMPLETE AUTOMATIC SYSTEMS

- ✓ Configurable according to customer needs.
- ✓ Dedicated to industrial processes.
- ✓ They allow high quantities of material storage.
- ✓ High quantity of product + storage = solution with silos to optimize the production flow



AUTOMATION 4.0 AND RECYCLING



COMAV machines comply with the Directives concerning the ecological and digital transition, which are fundamental for the growth and competitiveness of companies.

By installing energy-efficient motors, we ensure a reduction of emissions and pollution, helping companies to become more sustainable and competitive.



ELECTRIC CONTROL PANEL

OUR MACHINES ARE EQUIPPED WITH:

- ✓ Operator panel - easy to use and intuitive, already set-up for human/machine interaction
- ✓ Remote assistance router - already set up for remote assistance
- ✓ PLC and Energy Meter - for detection of the absorbed power and real consumption of the machine

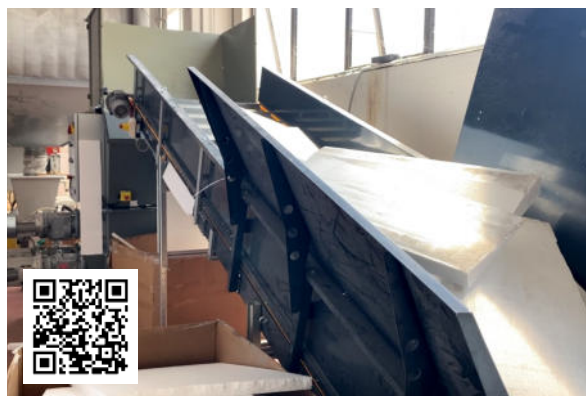


Our presses are designed to be integrated into the customer's production lines.

Once integrated with the other machines and the management system, they are ready to be certified INDUSTRY 4.0

INSTALLATION

Tailor-made projects to satisfy any specific Customer's requirement.



PACKING

The compacted blocks are placed on pallets thus optimizing space storage.

