



CATALOGUE

Block Manufacturers: European technology for precast concrete

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More than 30 years offering global solutions for precast products.

Since 1996, we have specialized in the design, manufacture, installation, and commissioning of equipment for precast concrete production.



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About us





European technology for concrete projects

Since 1996, we have been dedicated to the design, manufacturing, installation, and commissioning of equipment for precast concrete production. Our global reputation is built on our commitment to quality, innovation, and the added value we bring to every project.

We offer comprehensive solutions for block making plants and concrete technology, as well as molds for artificial stone: fencing, wall cladding, wood imitation, and urban furniture, among others, along with equipment for terrazzo production.

We offer a wide range of products for block making plants. Our product line is designed to meet market demands by integrating the latest innovations and technical solutions, always at a competitive cost and without losing focus on providing value to the projects we participate in.

Our proposal combines the latest advancements, a 360° approach, and a commitment to operational excellence, with the goal of maximizing the return on investment for every project.



International Presence

With European roots and over 30 years of experience, we are **present in more than 20 countries.**

We are experts in combining a deep understanding of customer needs with a close and personalized approach for every project and context.

Our **decentralized structure and manufacturer-oriented** focus allow us to respond with agility and efficiency, providing exceptional solutions that establish us as a benchmark in Latin America and leaders in our sector.



Our mission and value proposition

At Grupex, we manufacture high-quality block making machinery, and we stand out for the comprehensive service we offer to our clients.

We position ourselves as reliable partners, fostering close and constant communication with our clients' technical and management teams. This approach allows us to make strategic decisions perfectly aligned with their objectives, ensuring a lasting and sustainable impact over time.

At Grupex, we don't just deliver high-quality machinery; we build strategic alliances and relationships based on trust, innovation, and excellence, accompanying our clients every step of the way toward success.





Our differential value is based on these service pillars:

1. 360° Consultancy
2. Customized Projects
3. Training and Support
4. After- Sales Service

1.

360° Advisory: Personalized solutions for every client

At Grupex, we combine our experience and commitment to provide specialized technical advisory that covers every stage of the project, offering customized solutions that perfectly fit the needs and capacities of each client.

Strategic analysis:

We conduct a detailed study of your requirements, combining technical and commercial visits with video conferences to ensure a personalized approach from the very beginning, fully adapted to each client's objectives.

Feasibility study:

We provide tools and methodologies that enable the development of feasibility and profitability analyses, facilitating informed decisions with a focus on maximizing the investment made.

Investment optimization:

Our true value lies in the advanced technology of our equipment and the comprehensive service we provide. In certain cases, we encourage the local manufacturing of non-essential installation components. This strategy allows for a significant reduction in costs without affecting quality or technological functionality, keeping the focus on what truly matters: efficiency and innovation in production processes, adding value to the investment made.

Comprehensive supervision:

We collaborate closely with the client's team, supervising each phase of the project, from civil works to the integration of third-party implementations. We focus on identifying possible faults or deviations in areas managed by other companies, informing the client in a timely manner. This approach allows us to facilitate efficient project control, acting as an information support that contributes to the optimal integration of solutions and the overall success of the project, but without assuming direct responsibility for the work of third parties.

Custom design:

We create flexible and personalized solutions that take into account each client's current capacity and their future projections, incorporating automation options and complementary products that optimize their operations.



2.

Custom Project: From design to optimal operation

At Grupex, every project is unique, custom-designed to meet the specific requirements and needs of each client.

We involve the client's team from the earliest stages, ensuring they understand and are familiar with every aspect of the project.

We provide personalized support, both on-site and remote. This allows us to adjust processes, resolve unforeseen issues, and ensure a solid and efficient startup tailored to the particularities of the project.

We conduct a thorough analysis of our clients' operations to identify specific areas for improvement in processes, personnel management, and production control. Our approach seeks to maximize efficiency and guarantee quality, adapting to the unique objectives and capacities of each project.

3.

Training and support: Always close by

We offer comprehensive training programs that combine theory, practice, and real simulations, providing the team with the necessary skills to master equipment operation as well as essential preventive maintenance. Furthermore, we include training on best practices for proper machinery cleaning, ensuring not only optimal performance and greater durability but also contributing to operational efficiency and the reduction of potential failures, thus maximizing the equipment's lifespan over time.

During the initial period, we provide on-site support to the client during the production phase, ensuring they feel backed while gaining confidence in handling the machinery and processes. Subsequently, we continue with daily remote contact, offering constant support without interfering with their autonomy. This gradual approach allows them to manage day-to-day operations independently, knowing that we are always available to resolve any questions or unforeseen issues, facilitating a smooth transition toward self-sufficiency.





Our mission is to be more than just a supplier: We are strategic allies committed to the success of every project.

4.

After-sales service: Ongoing support

Free technical support:

We offer free, personalized basic remote technical assistance to resolve incidents quickly, minimizing downtime.

Continuous improvement:

We incorporate technological advancements and share relevant updates with our clients, ensuring they always have the best solutions on the market through a process of continuous improvement.

Agile spare parts management:

Our specialized team ensures efficient and rapid management of spare parts, improving lead times and maintaining operational continuity, helping to prevent unscheduled equipment shutdowns.

Concrete Processing Solutions

01

Fixed and mobile block machines

The widest range of stationary block machines.

Our fixed machines are designed to produce precast concrete products in large volumes efficiently. They are ideal for industrial manufacturers. Our mobile or egg-laying block machines are versatile units that allow for the manufacturing of precast concrete elements directly on the ground, facilitating their use in locations with less infrastructure and achieving high production rates with a low investment.

Our equipment comes with the guarantee of incorporating the best European technology, offering reliability, robustness, high production capacity, and flexibility—all at the service of the client.

02

Concrete mixers and batching plants

Concrete mixers, such as turbine and planetary mixers, are essential equipment for ensuring homogeneous, high-quality mixes in concrete production. Turbine mixers are known for their efficiency in short cycles, while planetary mixers are ideal for more complex and uniform mixtures. Furthermore, our complete concrete plants integrate storage, batching, mixing, and transport systems, optimizing the entire process to produce concrete efficiently and in large volumes.

The best quality, highest safety, and latest technology come together to guarantee the supply of top-quality concrete.



03

Automation, Efficiency, and Finishes,

The integration of automation systems in precast concrete plants—such as automatic palletizing or finger car systems (multiforca)—allows for production optimization, reduces manual operator intervention, and improves operational efficiency. These technologies ensure faster and more precise product handling, maximizing productivity while reducing both operating and labor costs.

Finishing systems, such as block splitters that provide rustic textures, colormix systems for unique color blending, or washing units that reveal the aggregate of the pieces, enhance the aesthetic appeal and versatility of precast products. These innovative solutions add value to the final product, tailoring it to the specific needs of each project.

04

Molds and Spare Parts for Block Machines

Our goal is to provide agile, fast, and reliable solutions to keep your plant operational at all times.

We manufacture and supply high-quality molds for our machines, tailored to your specific production needs, whether for blocks, pavers, or other precast concrete products. Additionally, we provide all the necessary spare parts for your plant, ensuring you always have the right components to keep your operations running smoothly.



05

Artificial stone

We specialize in providing systems designed for the manufacturing of decorative and architectural concrete elements, such as fencing, stone veneers, and wood-imitation pieces with artificial stone finishes. These solutions enable the production of high-quality, aesthetically pleasing components ideal for architectural and design projects, expanding the possibilities of concrete applications beyond traditional construction.

06

Terrazzo equipment

As official distributors of OCEM and CASSANI-LONGINOTTI, we offer a wide range of specialized machinery for terrazzo production and finishing. These brands, internationally recognized for their innovation and quality, allow us to provide our clients with comprehensive solutions for the manufacturing of terrazzo flooring and wall cladding, meeting the highest standards of precision and durability.



01

Fixed and mobile block-making machines



Fixed block- making machines

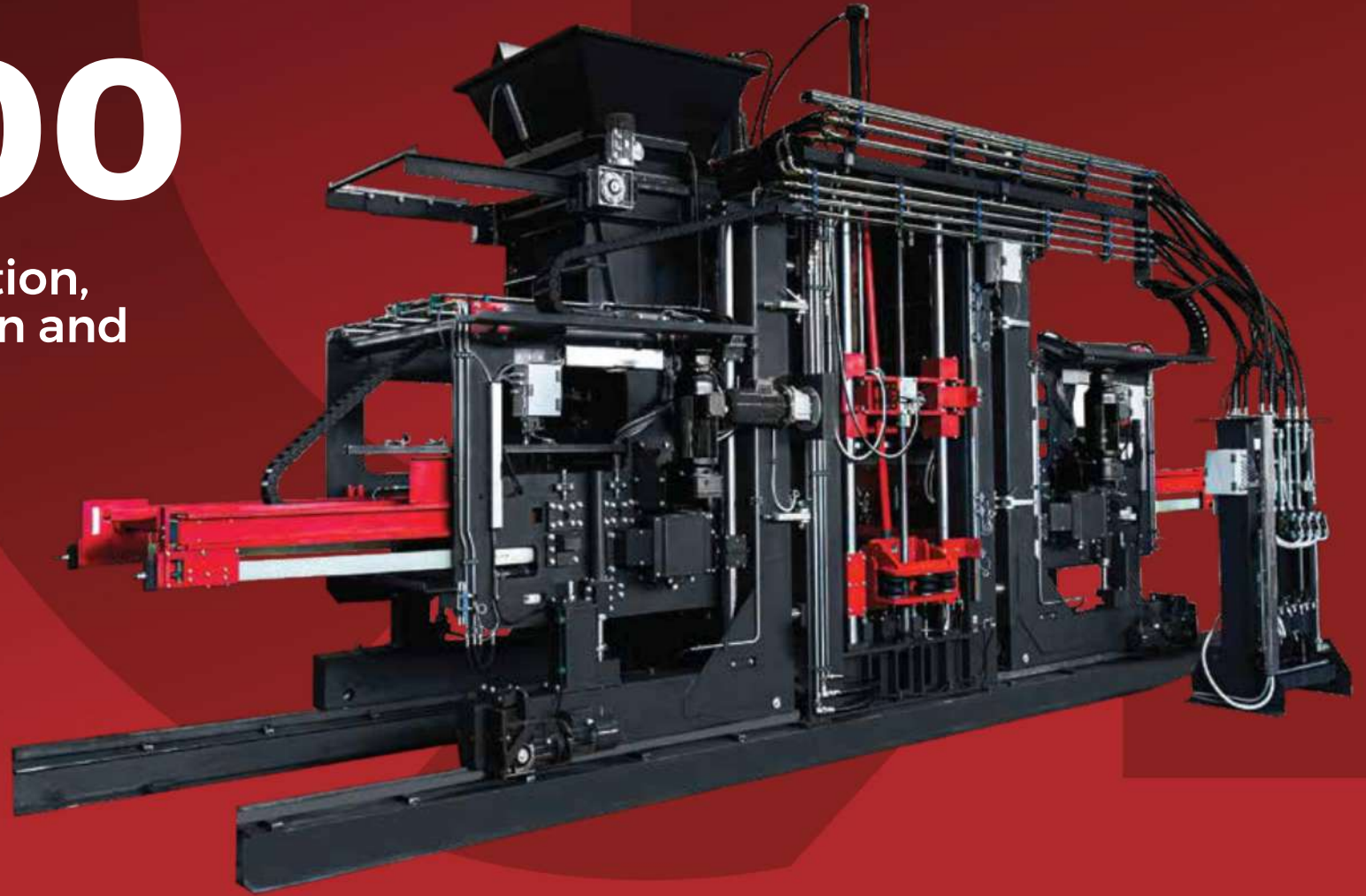
Comparative

	G200	G400	G500	G1000	G1500
Production pallet size	1000 x 500 mm	1200 x 550 mm	1400 x 700 mm	1400 x 900 mm	1400 x 1100 mm
Useful production area	850 x 450 mm	1100 x 500 mm	1300 x 650 mm	1,300 x 850 mm	1,300 x 1,050 mm
Maximum product height	290 mm	350 mm	350 mm	350 / 500 mm	350 / 500 mm
Minimum product height	40 mm	25 mm	25 mm	40 / 25 mm	40 / 25 mm
Machine weight	4,100 kg	11,300 kg	14,700 kg	25,000 kg	32,000 kg
Vibration power	40 kN	70 kN	120 kN	170 kN	230 kN
Total installed power	16 kW	100 kW	200 kW	250 kW	320 kW
Main concrete hopper capacity	500 l	900 l	900 l	1,300 l	1,500 l
Hollow block 10 x 20 x 40 cm	840 units / h - 6,720 units / 8 hours	2,000 units / h - 16,000 units / 8 hours	2,520 units / h - 20,160 units / 8 hours	4,000 units / h - 32,000 units / 8 hours	4,500 units / h - 36,000 units / 8 hours
Cycle time	30-40'	15-16'	20-21'	18-20'	16-18'
Hollow block 15 x 20 x 40 cm	600 units / h - 4,800 units / 8 hours	1,400 units / h - 11,500 units / 8 hours	2,160 units / h - 17,280 units / 8 hours	2,875 units / h - 23,000 units / 8 hours	3,125 units / h - 25,000 units / 8 hours
Cycle time	30-40'	14-15'	20-21'	18-19'	16-18'
Hollow block 20 x 20 x 40 cm	480 units / h - 3,840 units / 8 hours	1,200 units / h - 9,600 units / 8 hours	1,620 units / h - 12,960 units / 8 hours	2,250 pcs. / h - 18,000 units / 8 hours	2,880 units / h - 23,040 units / 8 hours
Cycle time	30-40'	14-15'	20-21'	18'	16-17'
Paver 10 x 20 x 6 cm	45 m ² / h - 360 m ² / 8 h	95 m ² / h - 760 m ² / 8 h	127 m ² / h - 1,016 m ² / 8 h	209 m ² / h - 1,668 m ² / 8 h	250 m ² / h - 2,000 m ² / 8 h
Cycle time	20-30'	15'	17'	15'	13-14'
Face mix-paver 10 x 20 x 6 cm		71 m ² / h - 570 m ² / 8 h	108 m ² / h - 864 m ² / 8 h	175 m ² / h - 1,400 m ² / 8 h	194 m ² / h - 1,550 m ² / 8 h
Cycle time		18'	20'	18'	17-18'

G1500

**Maximum production,
efficiency, precision and
durability**

The G1500 is much more than just a machine; it is the heart of concrete block production. With a robust design and advanced technology, this stationary machine guarantees superior performance and exceptional durability, even under the most demanding working conditions.



G1500

Maximum productivity, minimum consumption

The G1500 press combines high power with energy efficiency thanks to its innovative servo-dynamic vibration system, powered by servomotors. Its solid and robust vibrating table, together with a high vibration force of up to 230 kN, guarantees uniform compaction and faster cycle times. This allows for the production of blocks, pavers, and curbstones of the highest quality and strength, while simultaneously optimizing cement consumption.

Versatility that drives your business

The G1500 is designed to adapt to the specific needs of the most demanding projects. It offers advanced options such as:

Colormix device: Ability to blend colors to achieve exceptional finishes.

Servo-driven feed drawer: Precision and speed for uniform mold filling.

Integrated Servo-technology: The use of servomotors to drive the feed drawer, the hydraulic unit, and the vibrators provides superior force and precision, combined with optimized consumption and high energy efficiency.

Specialized devices: Options include a polystyrene insertion device, a washing unit to reveal the aggregate of the fresh product, or a roller in the feed drawer for special color-blend finishes.

Synchronized vibration system

Synchronized vibrators provide high-power, variable, and programmable vibration, allowing for high-density compaction of the pieces. The vibration system design, featuring 4 vibrators, ensures a uniform wave amplitude from the front to the back of the mold. This results in high-density, homogeneous products, which in turn leads to lower cement consumption. Easy to maintain and adjust, this synchronized vibration system is one of the most innovative solutions in modern block-making machinery.

Intelligent Design for Easy Maintenance

The reinforced, detachable structure, combined with accessible components, significantly reduces maintenance costs and downtime. The use of servomotors for the feed drawer (filling box) and the hydraulic unit optimizes energy efficiency, minimizing overall consumption.

The machine that combines power, precision, and sustainability, taking the manufacturing of precast concrete elements to a new level.





G1500

Technical specifications

Pallet dimensions	1400 x 1100 mm
Useful working area	1,300 x 1,050 mm
Maximum product height	500 mm
Minimum product height	25 mm
Machine weight	32,000 kg
Vibration force	230 kN
Installed electrical power	320 kW
Main concrete hopper capacity	1,500 l

Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	4,500 units	36,000 units	18'
Hollow block 12 x 20 x 40 cm	3,625 units	29,000 units	18'
Hollow block 15 x 20 x 40 cm	3,250 units	26,000 units	18'
Hollow block 20 x 20 x 40 cm	2,880 units	23,040 units	18'
Paver 10 x 20 x 6 cm	250 m2	2,000 m2	15'
Face-mix (double layer) paver 10 x 20 x 6 cm	194 m2	1,550 m2	18'
Cross paver	175 m2	1,400 m2	15'
Face-mix cross paver	156 m2	1,250 m2	18'
Infill block 15 x 20 x 56 cm	2,375 units	19,000 units	18'
Infill block 15 x 20 x 62 cm	2,375 units	19,000 units	18'
Infill block 15 x 20 x 75 cm	1,200 units	9,600 units	18'
Solid block 7 x 14 x 28 cm	11,040 units	88,320 units	15'
Solid block 10 x 14 x 28 cm	7,200 units	57,600 units	15'



G1500

Suggested configuration layout: Fully automatic production line

- 10.** Block making machine, model G1500
- 115.** Face-mix washing machine
- 120.** Elevator (Green product)
- 130.** Multi-fork / Finger car
- 140.** Lowerator (Cured product)
- 150.** Dry side conveyor
- 160.** Palletizer / Cuber
- 165.** Pre-palletizing device
- 180.** Pallet turning device
- 190.** Cross pallet conveyor
- 220.** Euro-pallet magazine/storage
- 230.** Slat conveyor for palletized products
- 300.** Concrete batching and mixing plant
- 400.** Curing chambers for pallets with fresh products



Features and options

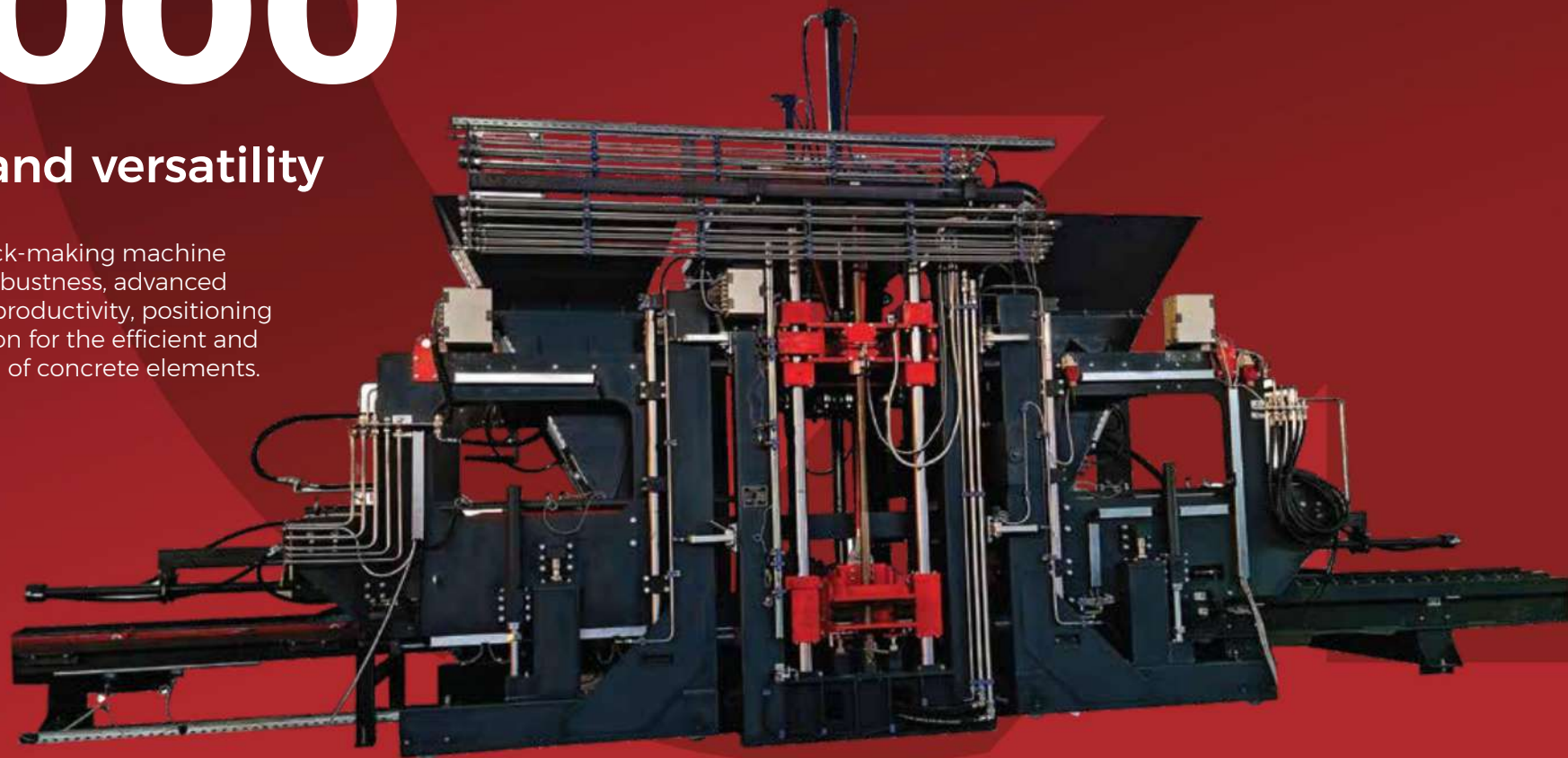
Included (I) / Optional (O)

Quick pallet extraction device		O
Safety equipment for G1500		O
Tamper head vibration (top vibration)		O
Face-mix device (double layer)		O
Transversal curb cleaning brush		O
Main hopper material level sensor		O
Face-mix hopper material level sensor		O
Color-mix blending device		O
Servo-driven main feed drawer	I	
Servo-driven face-mix feed drawer	I	
Main unit automatic floor height adjustment	I	
Face-mix unit automatic floor height adjustment	I	
Main unit automatic movement	I	
Face-mix unit automatic movement	I	
Main unit automatic locking		O
Face-mix unit automatic locking		O
Servomotor vibration system	I	
High-performance hydraulic unit		O
Main mix active agitator	I	
Bottom plate for special products		O
Pneumatic scraper for main mix feed drawer	I	
Pneumatic scraper for face-mix feed drawer	I	
Smoothing roller		O
Polystyrene insertion device		O
Pneumatic tamper head clamping		O
Automation supervision system		O
Teleservice device (Remote support)		O
500 mm production height option		O
25 mm production height option		O

G1000

Flexibility and versatility

The G1000 model block-making machine combines structural robustness, advanced technology, and high productivity, positioning itself as an ideal solution for the efficient and precise manufacturing of concrete elements.



G1000

Designed to withstand the most demanding working conditions, the G1000 stands out for its advanced synchronized vibration system, its agility in mold changes, and its impressive production capacity of up to 23,000 blocks (15 x 20 x 40 cm) per shift, offering an unmatched combination of premium quality and operational efficiency.

Active agitator

The main hopper filling system is equipped with an agitator driven by a heavy-duty hydraulic motor. This device accelerates the concrete filling process from the feed drawer into the mold cavities. The agitator rollers move along the same guide profile as the feed drawer, facilitating and speeding up the filling process. Various grate (grid) configurations are available depending on the mold used and the product to be manufactured. The agitator grate can be easily interchanged to adapt to different product types and concrete mix designs, if necessary.

Quick Mold Change System

The quick-change system for the G1000 machine features pneumatic clamping for both the mold and the tamper head. This allows for mold changes without wasting time on bolting. Now, the changeover is as simple as "pressing a button."



The robustness and solidity of the frame ensure high performance from the G1000 even under the most demanding working conditions.



1001G

Technical specifications

Pallet dimensions	1400 x 900 mm
Useful working area	1,300 x 850 mm
Maximum product height	350 / 500 mm
Minimum product height	40 / 25 mm
Machine weight	25,000 kg
Vibration force	170 kN
Installed electrical power	250 kW
Main concrete hopper capacity	1,300 l

Production capacity

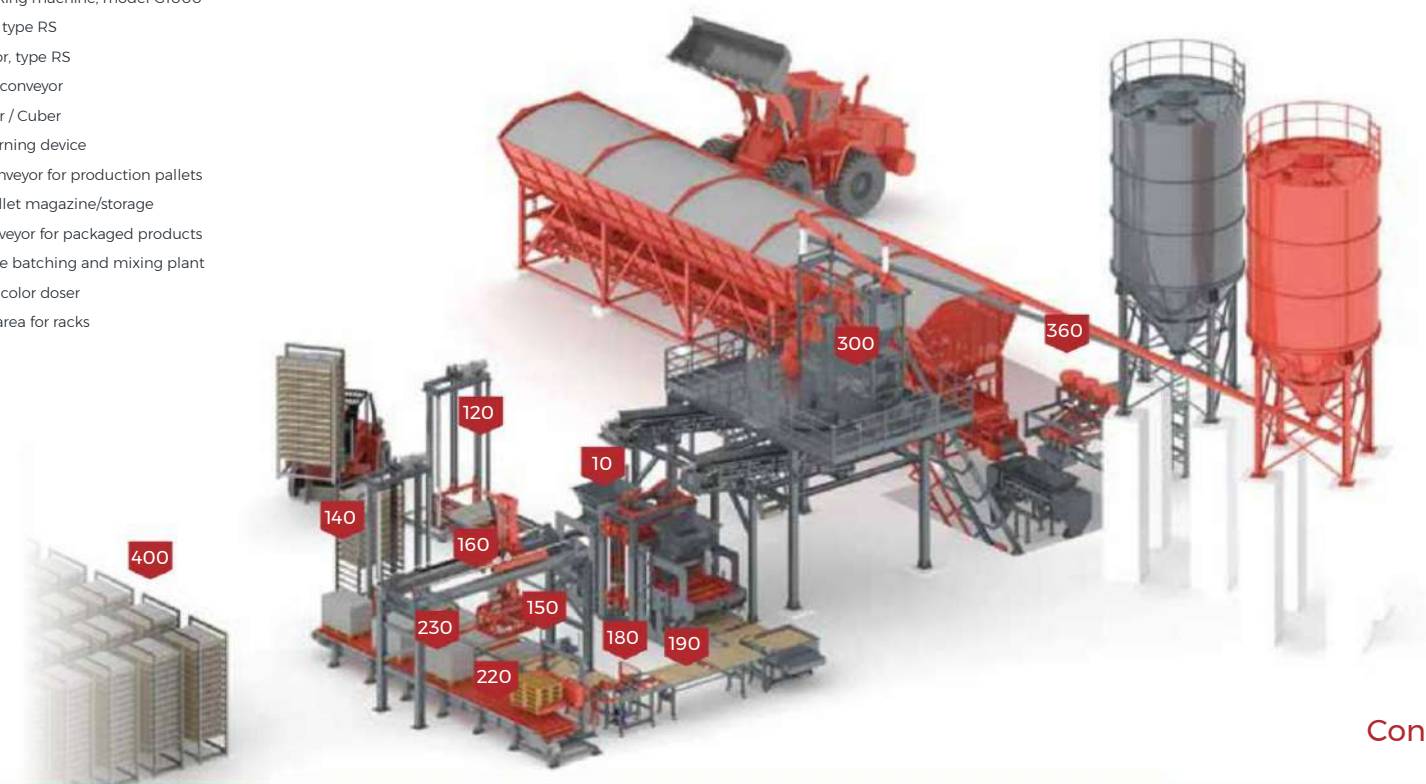
Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	4,000 units	32,000 units	18"
Hollow block 12 x 20 x 40 cm	3,625 units	29,000 units	18"
Hollow block 15 x 20 x 40 cm	2,875 units	23,000 units	18"
Hollow block 20 x 20 x 40 cm	2,400 units	19,200 units	18"
Paver 10 x 20 x 6 cm	208 m2	1,668 m2	15"
Face-mix (double layer) paver 10 x 20 x 6 cm	175 m2	1,400 m2	18"
Cross Paver	175 m2	1,400 m2	15"
Face-mix cross paver	156 m2	1,250 m2	18"
Infill block 15 x 20 x 56 cm	2,375 units	19,000 units	18"
Infill block 15 x 20 x 62 cm	2,375 units	19,000 units	18"
Infill block 15 x 20 x 75 cm	1,200 units	9,600 units	18"
Solid block 7 x 14 x 28 cm	11,040 units	88,320 units	15"
Solid block 10 x 14 x 28 cm	7,200 units	57,600 units	15"



G1000

Suggested configuration layout: Closed-circuit racking system

- 10.** Block making machine, model G1000
- 120.** Elevator, type RS
- 140.** Lowerator, type RS
- 150.** Dry side conveyor
- 160.** Palletizer / Cuber
- 180.** Pallet turning device
- 190.** Cross conveyor for production pallets
- 220.** Euro-pallet magazine/storage
- 230.** Slat conveyor for packaged products
- 300.** Concrete batching and mixing plant
- 360.** Powder color doser
- 400.** Curing area for racks



Features and options

Included (I) / Optional (O)

Quick pallet extraction device	O
Safety equipment for G1000	O
Tamper head vibration	O
Face-mix device (double layer)	O
Transversal curb cleaning brush	O
Main hopper material level sensor	O
Face-mix hopper material level sensor	O
Color-mix blending device	O
Servo-driven main feed drawer	O
Servo-driven face-mix feed drawer	O
Main unit automatic floor height adjustment	I
Face-mix unit automatic floor height adjustment	I
Main unit automatic movement	O
Face-mix unit automatic movement	O
Servomotor vibration system	O
High-performance hydraulic unit	O
Main mix active agitator	O
Bottom plate for special products	O
Pneumatic scraper for main mix feed drawer	O
Pneumatic scraper for face-mix feed drawer	O
Smoothing roller	O
Polystyrene insertion device	O
Pneumatic tamper head clamping	O
Automation supervision system	O
Teleservice device (Remote support)	O
500 mm production height option	O
25 mm production height option	O

G500

The structural quality of large-scale block machines

The G500 machine stands out as a high-performance press, designed to adapt to a wide range of needs thanks to its multiple customization options.



G500

Among its most notable innovations, the machine incorporates a **high-performance vibration system driven by servomotors**, pneumatic clamping for the mold and tamper head, and other advanced features that consolidate it as a leading solution in its category for medium-scale production.

Built with a robust and durable frame, the G500 shares the **same structural quality as larger block machines** but with a more accessible investment. Designed to support a powerful vibration system composed of four vibrators, the press operates efficiently even under the most demanding conditions, guaranteeing products of maximum quality and strength.

Furthermore, like all machines in the series, the G500 **features a main mixing unit and an optional detachable face-mix unit**, which considerably facilitates maintenance and extends its service life.





350

Technical specifications

Pallet dimensions	1400 x 700 mm
Useful working area	1300 x 650 mm
Maximum product height	350 / 500 mm
Minimum product height	40 / 25 mm
Machine weight	14,700 kg
Vibration force	120 kN
Installed electrical power	200 kW
Main concrete hopper capacity	900 l

Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	2,520 units	20,160 units	20'
Hollow block 12 x 20 x 40 cm	2,340 units	18,720 units	20'
Hollow block 15 x 20 x 40 cm	2,160 units	17,280 units	20'
Hollow block 20 x 20 x 40 cm	1,620 units	12,960 units	20'
Paver 10 x 20 x 6 cm	127 m ²	1,016 m ²	17'
Face-mix (double layer) paver 10 x 20 x 6 cm	108 m ²	864 m ²	20'
Cross paver	90 m ²	720 m ²	17'
Face-mix cross paver	78 m ²	620 m ²	20'
Infill block 15 x 20 x 56 cm	1,440 units	11,520 units	20'
Infill block 15 x 20 x 62 cm	1,440 units	11,520 units	20'
Infill block 15 x 20 x 75 cm	720 units	5,760 units	20'
Solid block 7 x 14 x 28 cm	6,775 units	54,200 units	17'
Solid block 10 x 14 x 28 cm	4,659 units	37,270 units	17'

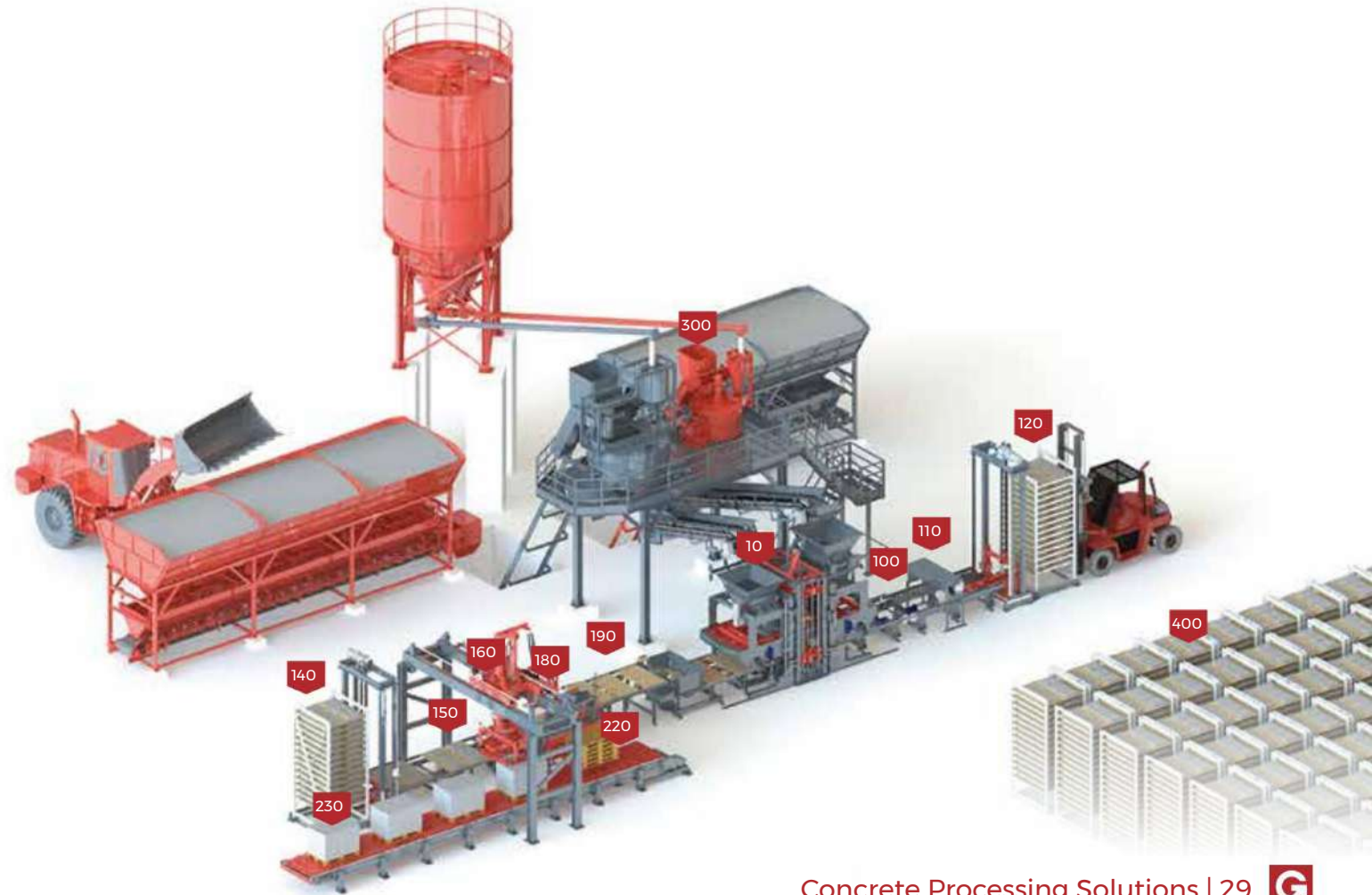


G500

Suggested configuration layout:

Open-line racking system

- 10.** Block making machine, model G500
- 100.** Outfeed belt conveyor
- 110.** Rotating brush for green products
- 120.** Elevator, type RS
- 140.** Lowerator, type RS
- 150.** Dry side conveyor
- 160.** Palletizer / Cuber
- 180.** Pallet turning device
- 190.** Cross conveyor for production pallets
- 220.** Euro-pallet magazine/storage
- 230.** Slat conveyor for packaged products
- 300.** Concrete batching and mixing plant
- 400.** Curing area for racks



G400

Your entry into the world
of large-scale production
with the smartest investment

The G400 is the perfect choice for those looking to take their first steps in block production efficiently. This model stands out for its combination of flexibility, cost-effectiveness, and outstanding performance.

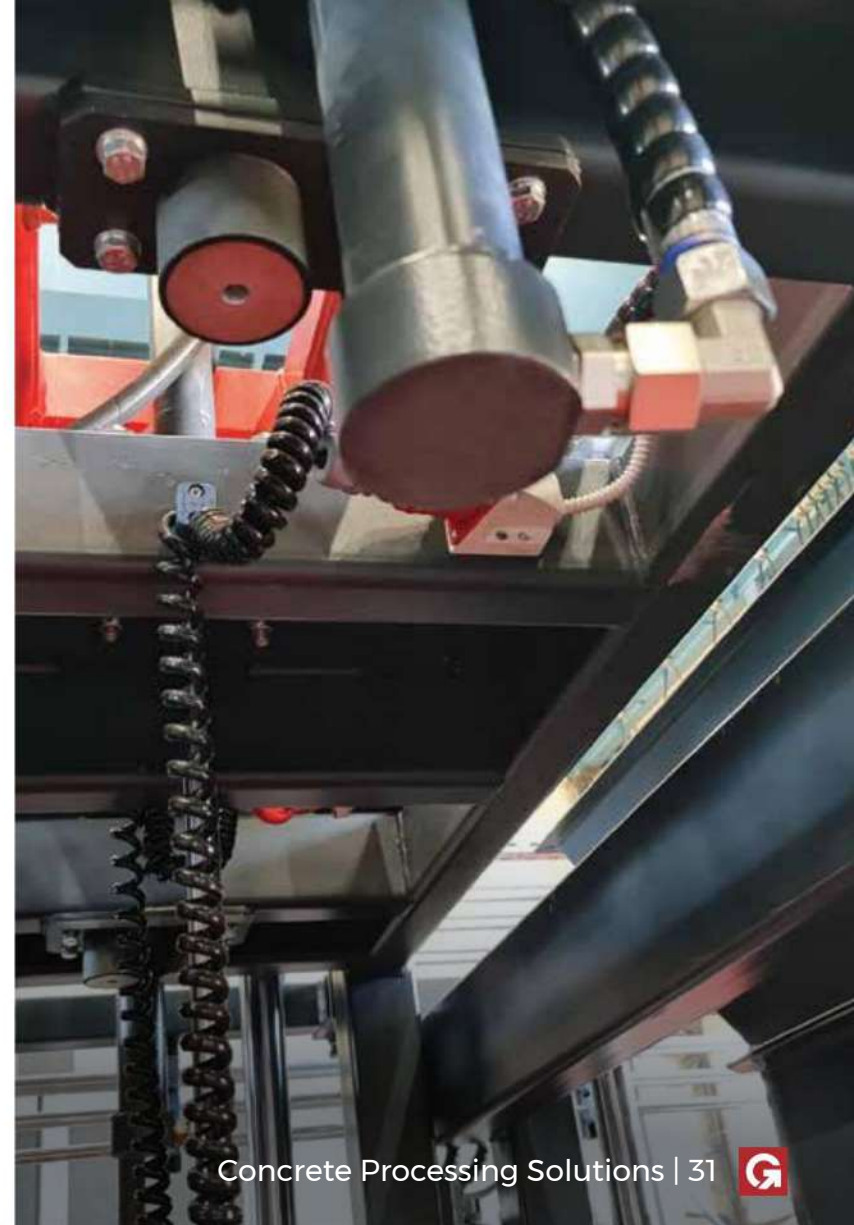
Despite its compact size, the G400 can be equipped with the same advanced options available on larger machines, ensuring superior quality and functionalities that rival larger-scale models. This versatility makes it an accessible alternative without compromising efficiency, durability, or performance.



G400

The **G400** is equipped with **synchronized counter-rotating shaft vibrators**, which allow for programmable dynamic vibrations to achieve optimal results in every cycle. Its **advanced synchronized vibro-compaction design**, featuring two vibrators, ensures a uniform wave amplitude throughout the entire mold, guaranteeing high-density, high-strength, and homogeneous products. Furthermore, this system optimizes cement consumption, reducing costs without compromising quality.

The synchronized vibration system of the G400 is one of the most advanced in its segment. It stands out for its **ease of operation, maintenance, and robustness**, thanks to configurable parameters that simplify handling and maximize operational efficiency.





007G

Technical specifications

Pallet dimensions	1200 x 550 mm
Useful working area	1100 x 500 mm
Maximum product height	350 / 500 mm
Minimum product height	40 / 25 mm
Machine weight	11,300 kg
Vibration force	70 kN
Installed electrical power	100 kW
Main concrete hopper capacity	900 l

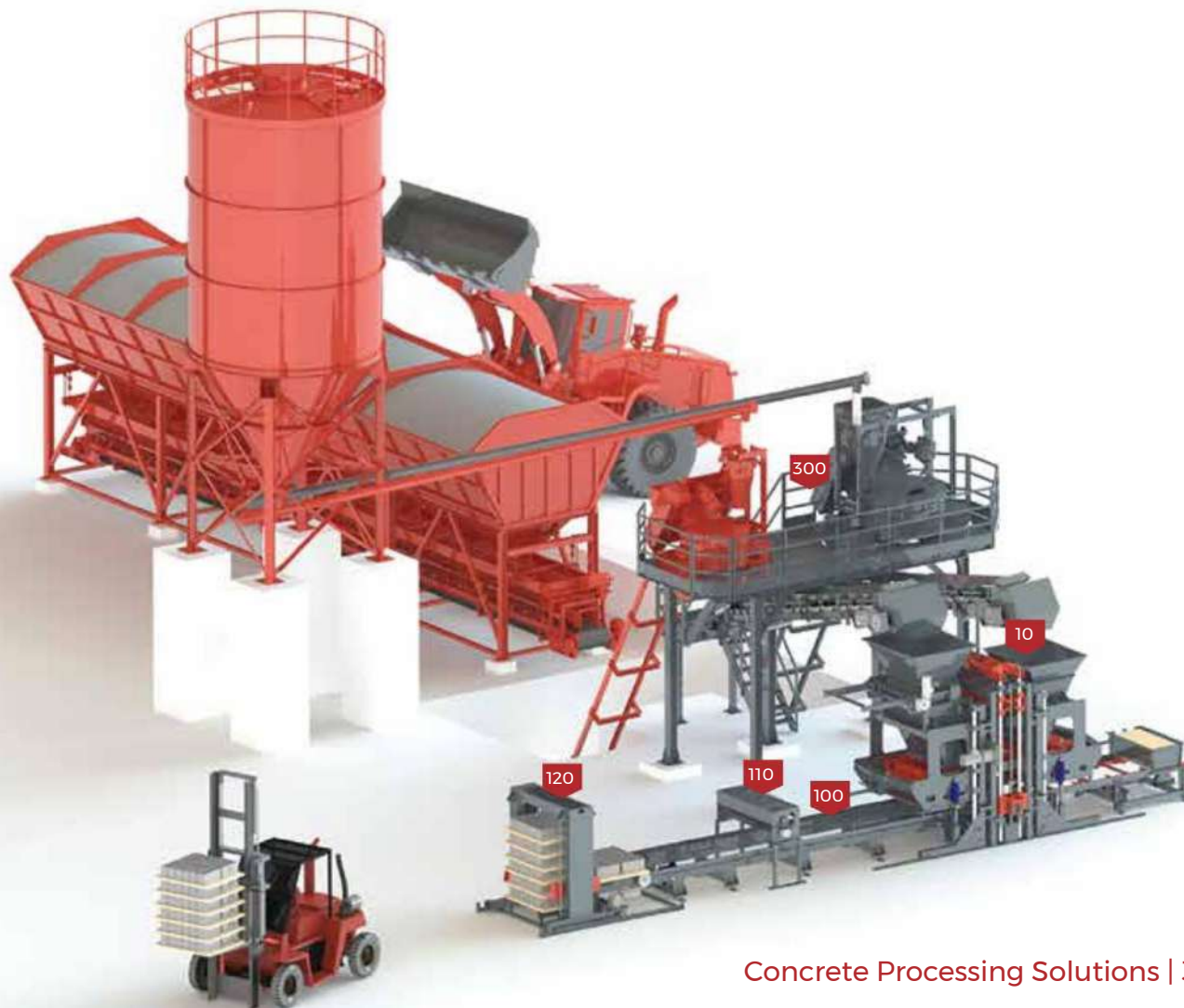
Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	2,000 units	16,000 units	15-16'
Hollow block 12 x 20 x 40 cm	1,400 units	11,200 units	15-16'
Hollow block 15 x 20 x 40 cm	1,400 units	11,500 units	14-15'
Hollow block 20 x 20 x 40 cm	1,200 units	9,600 units	14-15'
Paver 10 x 20 x 6 cm	95 m ²	760 m ²	15'
Face-mix (double layer) paver 10 x 20 x 6 cm	71 m ²	570 m ²	18'
Cross paver	82 m ²	660 m ²	15'
Face-mix cross paver	69 m ²	550 m ²	18'
Infill block 15 x 20 x 56 cm	600 units	4,800 units	18'
Infill block 15 x 20 x 62 cm	600 units	4,800 units	18'
Infill block 15 x 20 x 75 cm	600 units	4,800 units	18'
Solid block 7 x 14 x 28 cm	4,320 units	34,560 units	15'
Solid block 10 x 14 x 28 cm	2,880 units	23,040 units	15'

G400

Suggested configuration layout: Basic line with stacker

- 10.** Block making machine, model G400
- 100.** Outfeed belt conveyor
- 110.** Rotating brush for green products
- 120.** Robotic device / Stacker
- 300.** Concrete batching and mixing plant

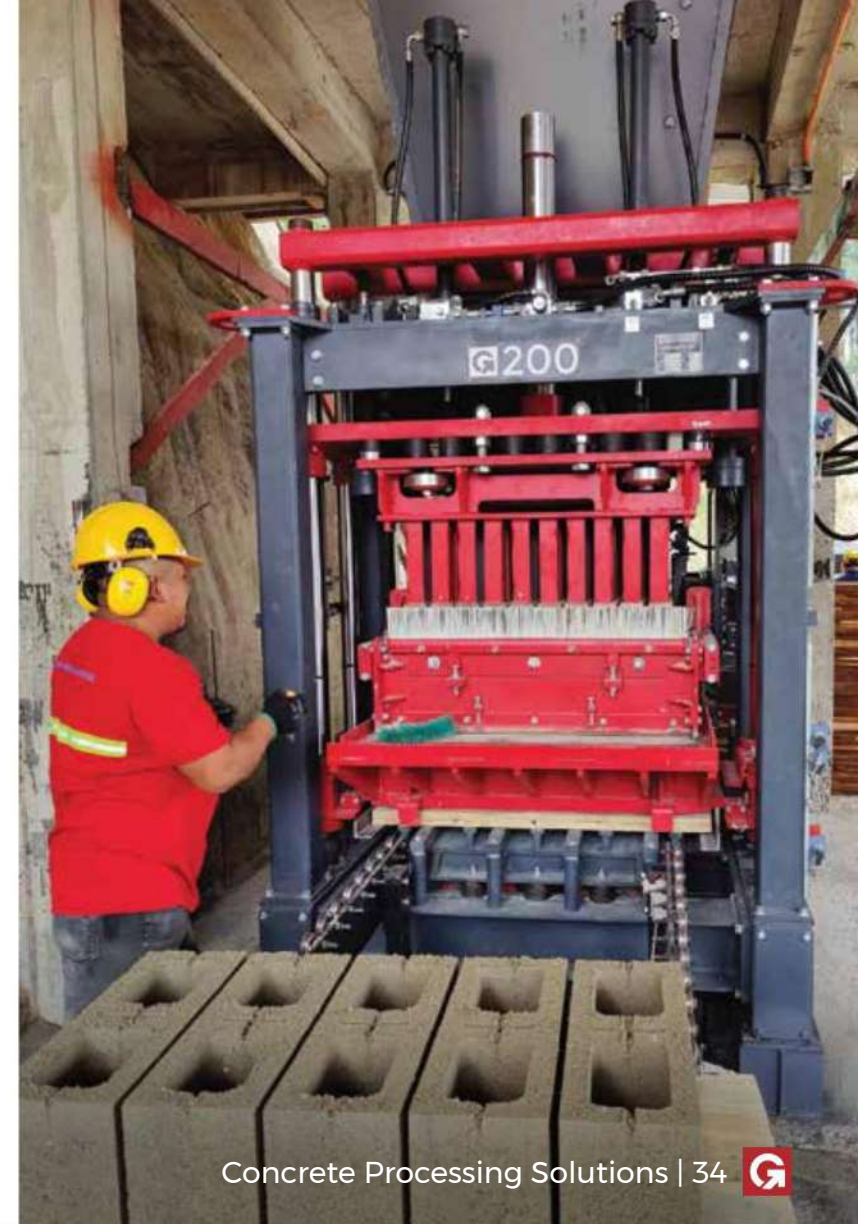


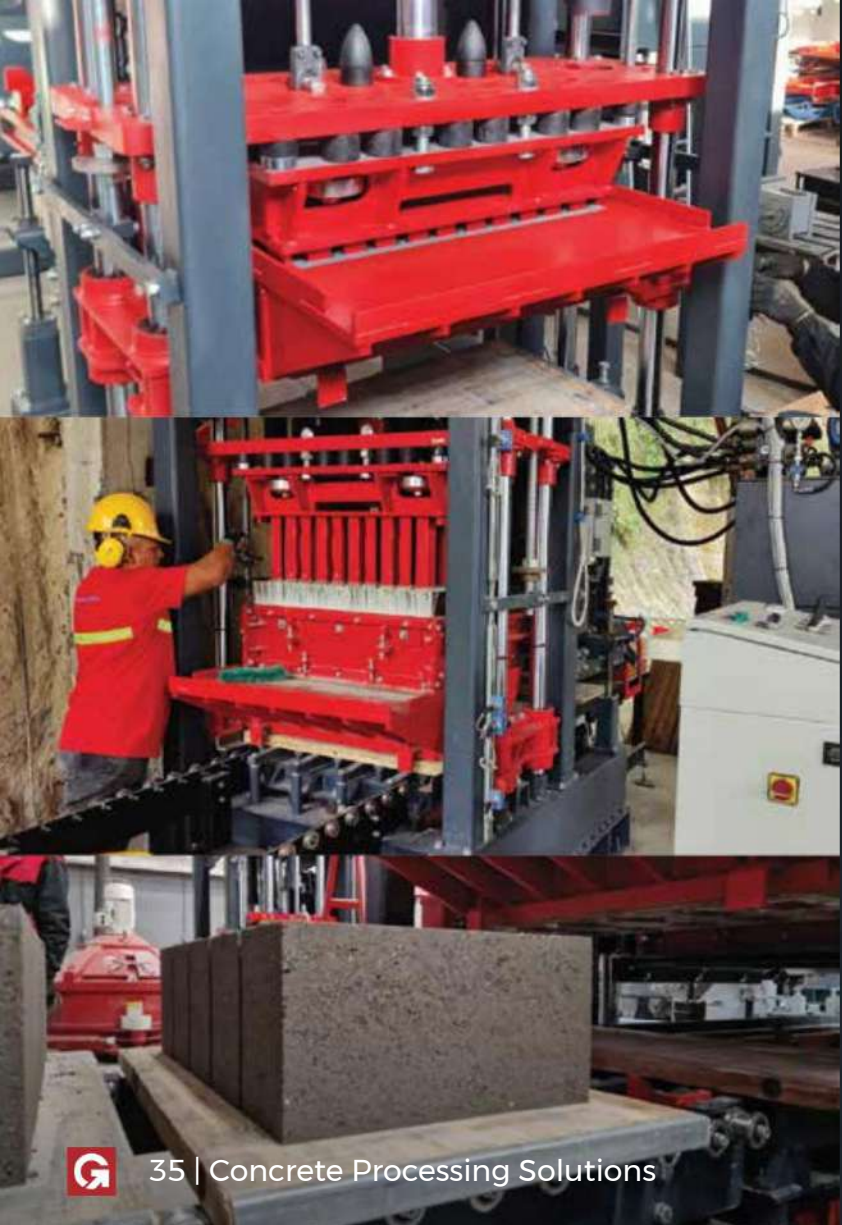
G200

Key features of the G200:

- **Production surface:** 1,000 x 500 mm pallet with a useful surface area of 850 x 500 mm, ideal for manufacturing a wide variety of concrete products.
- **Robust structure:** Fully bolted construction that guarantees durability and ease of maintenance.
- **Efficient hydraulic system:** 240-liter oil tank with high-quality components that ensure optimal performance and a maximum working pressure of 170 bar.
- **Intuitive control:** Control panel with levers and push-buttons that facilitate operation and allow for precise adjustments during production.

The G200 is the ideal solution for manufacturers looking to evolve from manual methods or basic equipment toward a reliable and efficient option, as it requires no specific foundation or complex civil works. Designed to increase production capacity and significantly improve product quality and strength, the G200 combines robust mechanical operation with simple electronics, backed by the Grupex guarantee and support. This model is positioned as a strategic investment to drive your business growth and competitiveness.





G200

Technical specifications

Pallet dimensions	1000 x 500 mm
Useful working area	850 x 500 mm
Maximum product height	290 mm
Minimum product height	60 mm
Machine weight	4,100 kg
Vibration force	40 kN
Installed electrical power	16 kW
Main concrete hopper capacity	500 l

Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	840 units	6,720 units	30-40'
Hollow block 12 x 20 x 40 cm	720 units	5,760 units	30-40'
Hollow block 15 x 20 x 40 cm	600 units	4,800 units	30-40'
Hollow block 20 x 20 x 40 cm	480 units	3,840 units	30-40'
Paver 10 x 20 x 6 cm	45 m2	360 m2	20-30'
Cross paver	38 m2	300 m2	30'
Infill block 15 x 20 x 56 cm	270 units	2,160 units	40'
Infill block 15 x 20 x 62 cm	270 units	2,160 units	40'
Infill block 15 x 20 x 75 cm	270 units	2,160 units	40'
Solid block 7 x 14 x 28 cm	1,140 units	11,520 units	30'
Solid block 10 x 14 x 28 cm	960 units	7,680 units	30'



G200

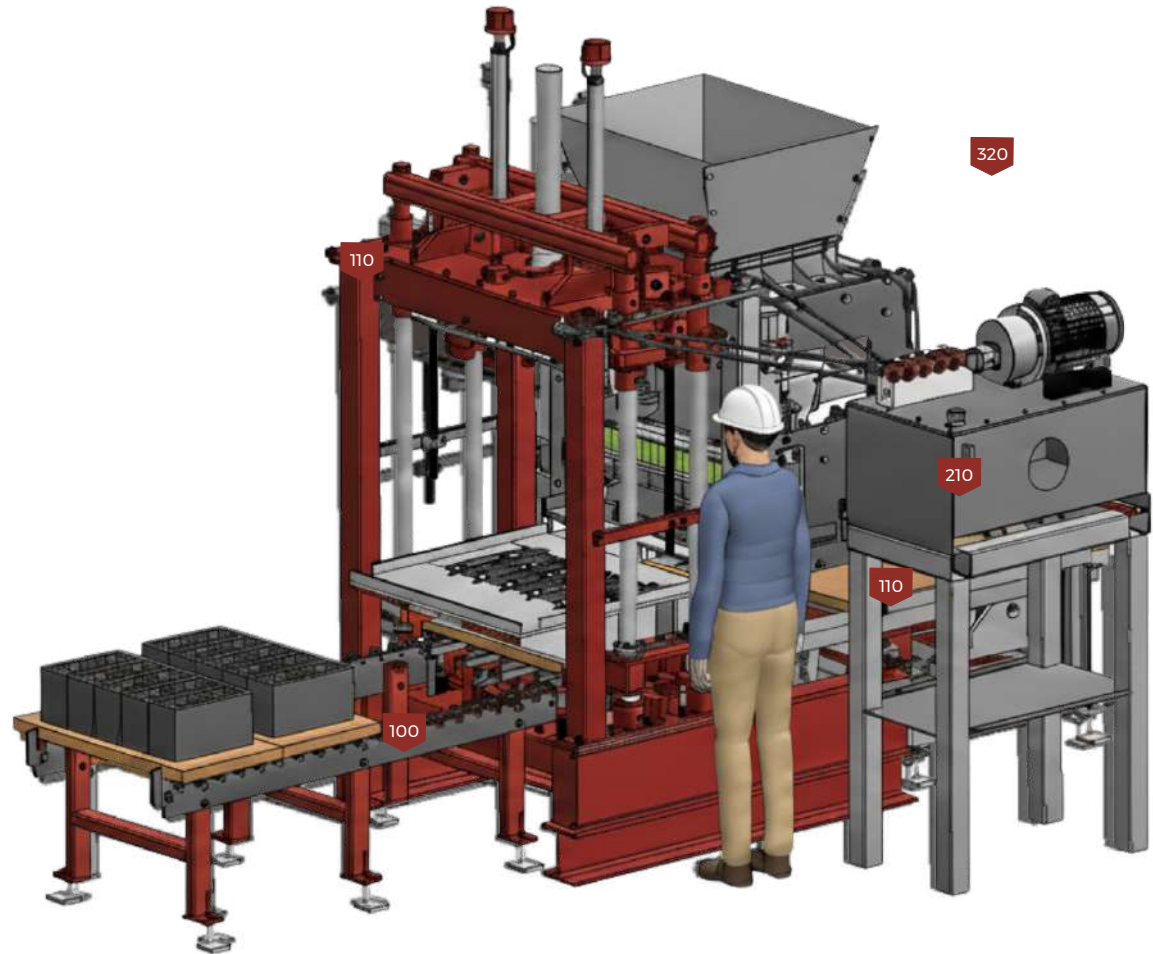
Suggested configuration layout: Basic line with stacker

100. Outfeed conveyor

110. Infeed conveyor with pallet magazine

210. Hydraulic unit

320. Optional extras



G200

Your gateway to industrial concrete block production

The Grupex G200 block machine is designed for small-scale producers looking to make the leap to efficient, high-quality industrial production. With an affordable price point, the G200 offers a robust and flexible solution for those seeking to optimize their processes and compete in the big leagues of the precast concrete market.





Mobile block- making machines

Compararison

	G6	G12
Useful working area (blocks)	1240 x 550 mm	1240 x 850 mm
Useful working area with vibration table (for pavers and curbs)		1.350 x 550 mm
Maximum product height	330 mm	500 mm
Maximum product height (with vibration table)		250 mm
Minimum product height	175 mm	175 mm
Minimum product height (with vibration table)		60 mm
Machine weight with mold	4,200 kg	9,200 kg
Machine weight with mold and face-mix hopper		12,300 kg
Vibration force	30 kN	48 kN
Installed electrical power	13 kW	17.5 kW
Main concrete hopper capacity	1,000 l	1,000 l
Hollow block 10 x 20 x 40 cm	1,584 units / h - 12,672 units / 8 h	2,640 units / h - 21,120 units / 8 hours
Hollow block 15 x 20 x 40 cm	960 units / h - 7,680 units / 8 hours	2,016 units / h - 16,128 units / 8 hours
Hollow block 20 x 20 x 40 cm	863 units / h - 6,900 units / 8 hours	1,700 units / h - 13,600 units / 8 hours
Paver 10 x 20 x 6 cm		84 m ² / h - 670 m ² / 8 h
Face-mix paver 10 x 20 x 6 cm		63 m ² / h - 500 m ² / 8 h

G12

Versatility, production, and performance in a mobile unit

The G12 is a mobile block machine or egglayer, designed to manufacture a wide variety of concrete products. It stands out for its versatility, high production, and performance, without the need for complex civil works.



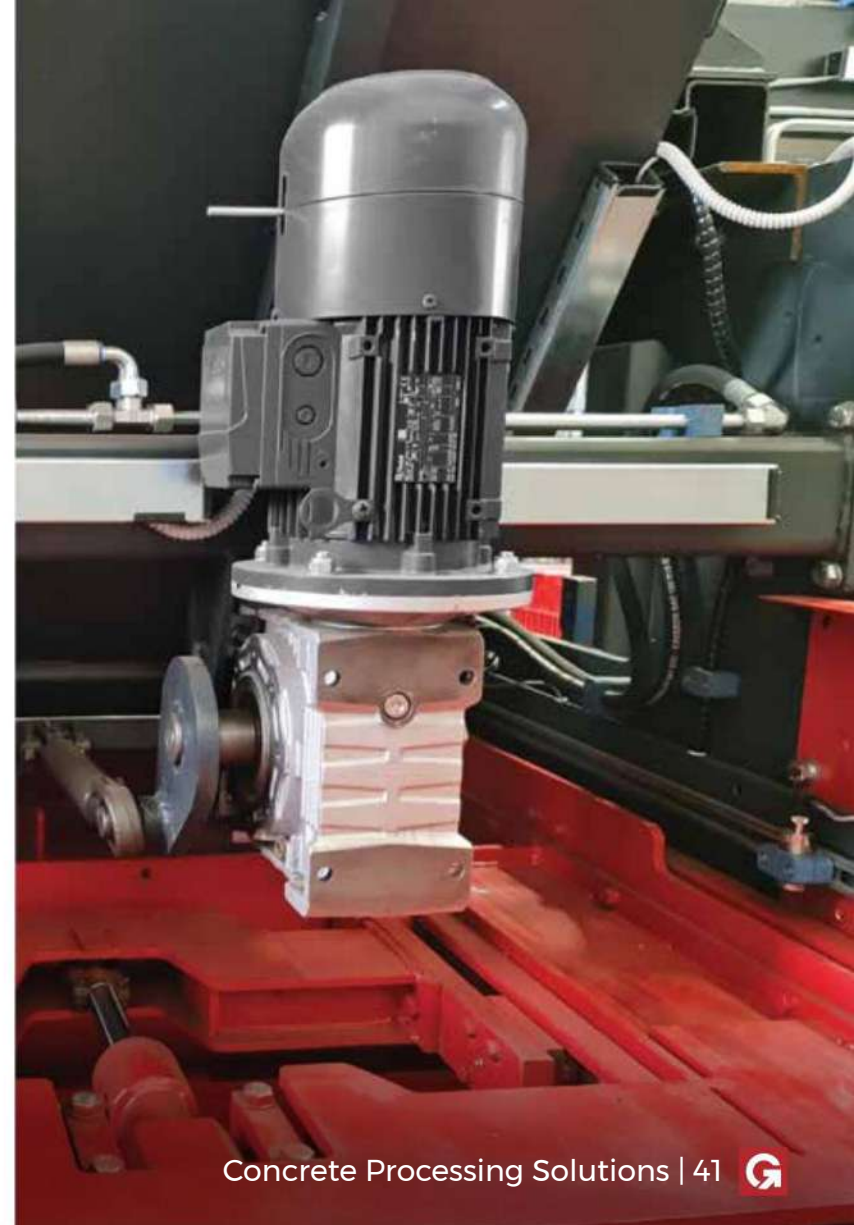
G12 Industrial Laying Block

This equipment **can operate as a universal machine or specialize in the manufacturing of specific pieces**, easily adapting to the customer's needs.

Products it can manufacture:

- Hollow blocks.
- Chimney blocks.
- Solid blocks.
- Garden blocks / Retaining wall blocks.
- Insulated blocks.
- Solid units.
- Curbs.
- Pavers (with or without face-mix).

Thanks to its **rigid, high-strength frame**, the G12 is designed to withstand heavy-duty work, guaranteeing durability and reliable performance even in the most demanding conditions. Its **simplified design minimizes maintenance needs and facilitates operation**, making it a cost-effective and efficient solution for concrete product manufacturers who value quality and versatility.





Technical specifications

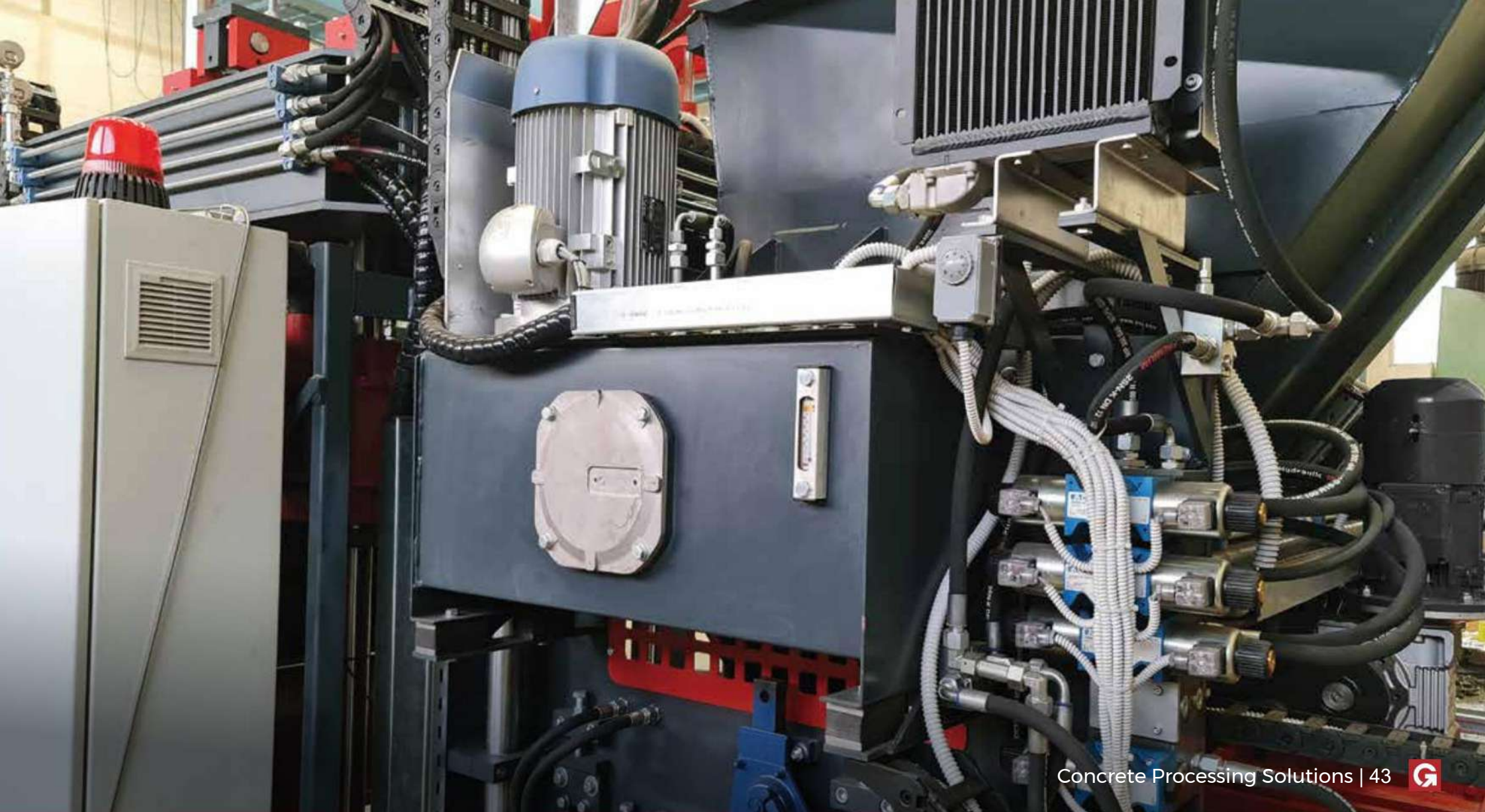
Pallet dimensions	1240 x 850 mm
Useful working area	1,350 x 550 mm
Product height on the ground	175 / 500 mm
Product height on vibration table	60 / 250 mm
Machine weight	9,200 kg
Vibration force	90 kN
Installed electrical power	30 kW
Main concrete hopper capacity	1,000 l

Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	2,640 units	21,120 units	25-30'
Hollow block 12 x 20 x 40 cm	2,160 units	17,280 units	25-30'
Hollow block 15 x 20 x 40 cm	2,016 units	16,128 units	25-30'
Hollow block 20 x 20 x 40 cm	1,700 units	13,600 units	25-30'
Paver 10 x 20 x 6 cm	84 m ²	670 m ²	35'
Face-mix (double layer) paver 10 x 20 x 6 cm	63 m ²	500 m ²	38'
Cross paver	59 m ²	470 m ²	35'
Face-mix cross paver	54 m ²	435 m ²	38'
Infill block 15 x 20 x 56 cm	1,008 units	8,064 units	25-30'
Infill block 15 x 20 x 62 cm	1,008 units	8,064 units	25-30'
Infill block 15 x 20 x 75 cm	1,008 units	8,064 units	25-30'
Solid block 7 x 14 x 28 cm	4,113 units	32,900 units	35'
Solid block 10 x 14 x 28 cm	3,291 units	26,330 units	35'

GI2





G6

Mobile production, accessibility and simplicity

The G6 mobile block machine is the perfect choice for those looking to start or strengthen their precast concrete business. Designed for high-output block manufacturing, it offers an ideal balance between efficiency, durability, and an affordable investment. This model is particularly suitable for small and medium-sized producers who wish to increase their performance and competitiveness without compromising the quality or robustness of their operation.



G6 Industrial Laying Block

Versatility and performance within everyone's reach the G6 egglayer allows for the manufacturing of precast blocks directly on the ground, eliminating the need for pallets and reducing operational costs. With its **hydraulic drive system**, this equipment ensures precise and automatic movements controlled by a **Siemens S7 PLC**, optimizing every production cycle.

Main advantages:

- **High productivity with lower investment:** Ideal for medium-scale production with a capacity of up to 12,672 hollow blocks per 8-hour shift.
- **Advanced automation:** Hydraulic movements and centralized control with an easy-to-operate panel, including real-time alerts and diagnostics to ensure optimal performance.
- **Strength and durability:** Built with tubular steel and heavy-duty metalwork, designed to withstand the most demanding conditions and minimize maintenance costs.
- **Product flexibility:** Capable of producing blocks of different sizes and heights, from 175 mm to 330 mm.

A flexible and cost-effective solution. The G6 mobile block machine is the **perfect choice for entrepreneurs and small-scale** producers seeking efficiency and high-quality results at a competitive cost. With its ability to operate across large areas of land and its focus on mobility, the G6 is positioned as an indispensable tool for those looking to grow in the precast sector.

Its robust design and mobility make it a versatile and economical option to maximize production directly on the ground.





Technical specifications

Production area	1240 x 550 mm
Maximum block height	330 mm
Minimum block height	175 mm
Weight with mold and without face-mix	4,200 kg
Vibration power	50 kN
Installed electrical power	13 kW
Main concrete hopper capacity	1,000 l

Production capacity

Product	Production per hour	Production (8h shift)	Cycle time
Hollow block 10 x 20 x 40 cm	1,584 units	12,672 units	25-30'
Hollow block 12 x 20 x 40 cm	1,296 units	10,368 units	25-30'
Hollow block 15 x 20 x 40 cm	960 units	7,680 units	25-30'
Hollow block 20 x 20 x 40 cm	863 units	6,900 units	25-30'
Infill block 15 x 20 x 56 cm	432 units	3,456 units	25-30'
Infill block 15 x 20 x 62 cm	432 units	3,456 units	25-30'
Infill block 15 x 20 x 75 cm	432 units	3,456 units	25-30'







02

Concrete mixers and batching plants

Mixers

We offer a wide range of pan (turbine), planetary, or twin-shaft mixers, aggregate hoppers, and dosing and weighing systems for water, cement, and additives, as well as cement silos—all designed to produce high-quality concrete efficiently.



Turbine Pan Mixers

Our pan mixers stand out for their high mixing speed, ensuring fast and efficient production. Their robust and reliable design, perfected over the years, allows for processing both dry and wet-cast concrete. The rotating blades, optimized to fold and push the material, achieve a homogeneous mix in just a few cycles, which reduces production times.

Furthermore, maintenance is simple and cost-effective thanks to their compact design and the absence of belts, minimizing downtime and operational costs. Their excellent cost-benefit ratio makes them the most widely used option globally.





Planetary mixers

Planetary mixers deliver intensive and homogeneous mixing thanks to their system of rotating arms and mixing stars. This counter-current design ensures full coverage of the mixer's surface in less time, achieving faster mixing cycles and higher throughput, with concrete ready in as little as 30 seconds. Furthermore, they provide superior concrete consistency and strength, reducing cement consumption by up to 15%. Their high-durability liners and blades, combined with optimized maintenance, guarantee an extended service life even under the most demanding conditions.



Twin-shaft mixers

Twin-shaft mixers are ideal for large-scale production. Their horizontal design, featuring two rotating shafts and a large discharge door, ensures efficient and continuous mixing. The synchronized blade movement guarantees a perfect material blend, while the centralized lubrication system enables low maintenance requirements. Thanks to their robustness and ability to handle large volumes per cycle, these mixers are the perfect solution for high-performance plants with heavy industrial demands, achieving high-volume concrete output.

Concrete batching plants

Maximize your productivity with robust and customizable concrete batching plants, designed to produce high-quality concrete with maximum efficiency and the lowest operating cost.

Our plants stand out for their **robust and durable design**, guaranteeing a profitable and reliable long-term investment. With capacities ranging from **10 to 120 cubic meters per hour**, we offer equipment engineered to maximize throughput, ensure low maintenance costs, and secure a cost-effective long-term investment.

Featuring a **modular and highly customizable design**, our plants adapt perfectly to the specific needs of each client. From aggregate hoppers with high-precision weighing systems and planetary or twin-shaft mixers, to advanced dosing systems, cement silos, and customization options tailored to the most demanding requirements—every detail can be configured to maximize the efficiency and performance of your operation.

Siemens PLC technology ensures efficient and secure production control, while our premium-quality materials and innovative solutions—such as planetary mixing—guarantee homogeneous, high-strength concrete with optimized cycle times. With our concrete batching plants, you don't just get robust and durable equipment; you gain a **key partner** for increasing productivity and reducing operational costs.

The **electrical installation** of the concrete batching plant includes all necessary power and control connections for plant measurement. All safety installations and devices are manufactured in compliance with **CE regulations and IP67 protection standards**, whether for manual or automatic operation. The entire plant is controlled via a Siemens PLC, allowing us to manage system connections in line with safety requirements and monitor all parameters clearly and securely.

The aggregate hoppers are **designed and manufactured to operate under the most demanding working conditions**, offering optimal and long-lasting performance. Additionally, they feature two **electro-pneumatic discharge gates**, which simplify operation and ensure precise discharge at the appropriate height.



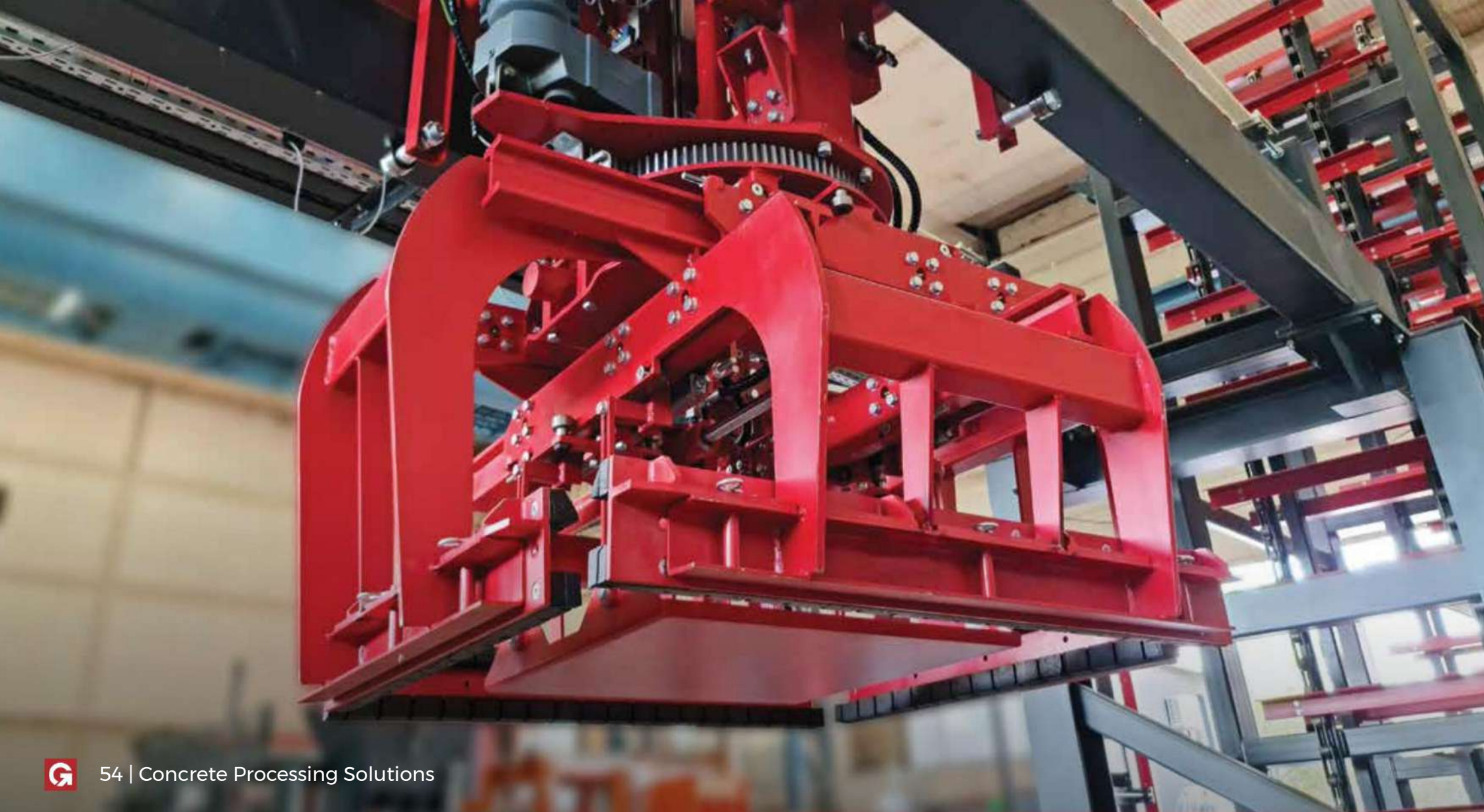
Additionally, aggregates are weighed using **4 load cell units, ensuring accurate and efficient measurement.**

The cement silo is an integral part of any concrete plant. Our wide variety of cement silo sizes provides our customers with the right equipment for their concrete production, adapting to both small-scale projects and large operations. The **cement screw conveyors (augers)** are manufactured by **WAM**, as are other silo components, guaranteeing **quality and operational reliability.**

Concrete mix	Units	BP 10	BP 20	BP 30	BP 40	BP 60	BP 80	BP 100	BP 110	BP 120
Capacity	m3 / h	10	20	30	40	60	80	100	110	120
Cycle count	cycle / h	50	60	60	60	60	53	50	45	40
Mixer capacity (compacted concrete)	m3	0.25	0.375	0.5	0.75	1	1.5	2	2.5	3
Planetary mixer motor power	kW	11	11	18.5	30	45	55	75	90	110
Aggregate compartments	No.	2	2 to 3	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4	4 to 6	4 to 6
Aggregate compartment capacity	m3	8	10 to 15	10 to 15	15 to 20	15 to 20	20 to 30	20 to 30	30 to 40	30 to 40
Cement scale	kg	150	170	300	400	500	750	1,000	1,400	1,750
Water scale	l	70	110	160	200	250	400	600	800	1,000
Additive scale	l	20	20	20	20	20	20	35	35	40



↓
Cement Silo



03

Automation, Production Efficiency, and Finish,

Automation

At Grupex, we offer a full range of automation systems and ancillary equipment designed to optimize the operation of our concrete block making plants. From handling and curing to palletizing and storage, every piece of equipment has been developed to guarantee efficiency, robustness, and adaptability to our clients' specific needs.

100

Wet product pallet conveyor:

Transport system with frequency control (VFD) that carries the pallets from the press to the elevator. Adjustable length from 6 to 12 m depending on the project. Available with belt or chain drive.

120

Pallet elevator:

Equipment designed to stack pallets with wet product and lift them by levels before the curing process. Lifting capacity up to 16 t, equipped with electrical and proximity sensors.

130

Finger Car (Multiforca):

System that transports pallets between the elevator and the curing chambers, and returns them to the lowerator. Capacity of 7–16 t with adjustable levels. Optional 180° rotation available. Controlled via SIEMENS S7 PLC touchscreen.

140

Pallet Lowerator:

Reintroduces pallets with cured products back into the production line. It operates inversely to the elevator, with the same technical capacities.

150

Cured product conveyor:

Transfers pallets from the lowerator to the automatic palletizer. Equipped with a hydraulic cylinder for precise positioning.

160

Automatic Palletizer (Cuber):

System that picks up cured products using hydraulic clamps and places them onto transport pallets. Controlled via SIEMENS S7 PLC touchscreen.

170

Pallet cleaning system:

Rotary brush designed to remove dust and concrete residue, ensuring clean pallets for reuse.





180

Pallet turner:

Allows the pallets to be flipped, maximizing their lifespan by utilizing both sides and alternating their use in each production cycle.

190 200

Pallet conveyor and storage:

System for transporting and storing pallets, completing the circulation cycle within the production line.

210

Pallet spraying device:

Applies release agents or wood treatment products to empty pallets, ensuring their protection and proper maintenance.

220

Transport pallet dispenser:

Automatically feeds transport pallets to the palletizing line. Capacity for up to 10 pallets.

230

Palletized product conveyor:

Transport system for pallets loaded with cured product to the exit position. Optional: horizontal/vertical strapping equipment.

With this equipment, Grupex guarantees an efficient, automated production process tailored to your specific needs.



Finishes

We offer a range of finishing systems designed to enhance the appearance and value of precast concrete products. This equipment allows our customers to provide unique, high-quality elements that meet modern market demands and facilitate differentiation from the competition.

From surface treatments to multicolor solutions (face mix), our systems guarantee exceptional finishes on blocks, pavers, curbstones, and other products.

Powder Color Dosing System:

The function of the powder color dosing device is to dispense pigments into the mixer, onto the conveyor belt, or into the **charging skip**. Up to four different colors can be loaded into the mixer, allowing customers to create their own **custom color palette** for pavers, blocks, curbstones, or any other product with unique combinations.

The use of **pigment pre-dosing hoppers**, transported by a dosing screw to a pneumatic scale, guarantees extremely precise dosing. This technology enables the manufacture of **multicolor products with natural patterns**, adapting to the demands of contemporary design.

Colormix System:

This innovative system, located at the top of the machine, allows for the efficient and versatile production of **multicolor products with special treatments**. Thanks to its section-controlled electric openings, it facilitates a natural blending of colored concrete, which is then discharged into the filling box and distributed uniformly through a forward and backward motion. Its operation is complemented by a roller installed in the filling box, which achieves a higher definition and quality finish. The result is **products with modern and visually stunning finishes**, ideal for standing out in the market.



Surface Washing Machine:

The surface washer is used to manufacture pavers with a washed surface (exposed aggregate), creating a high-value-added product thanks to its specialized surface treatment. It allows for processing up to two product pallets per cycle.

Key features:

- Height-adjustable spray nozzles for high-pressure washing.
- Air blow-off system to remove excess water and achieve a natural finish.
- Fixed structure with a tilting mechanism to facilitate wastewater drainage.

The result is a product with a premium appearance, ideal for high-value-added projects and sophisticated aesthetic requirements.

Equipment for "Rock Block" or "Split Block" production:

This system, known as a splitting machine, allows for the splitting of concrete products such as blocks and fence wall caps, obtaining a finish that simulates the natural look of split stone. We offer solutions tailored to customer needs, ranging from semi-automatic lines to fully automated systems.

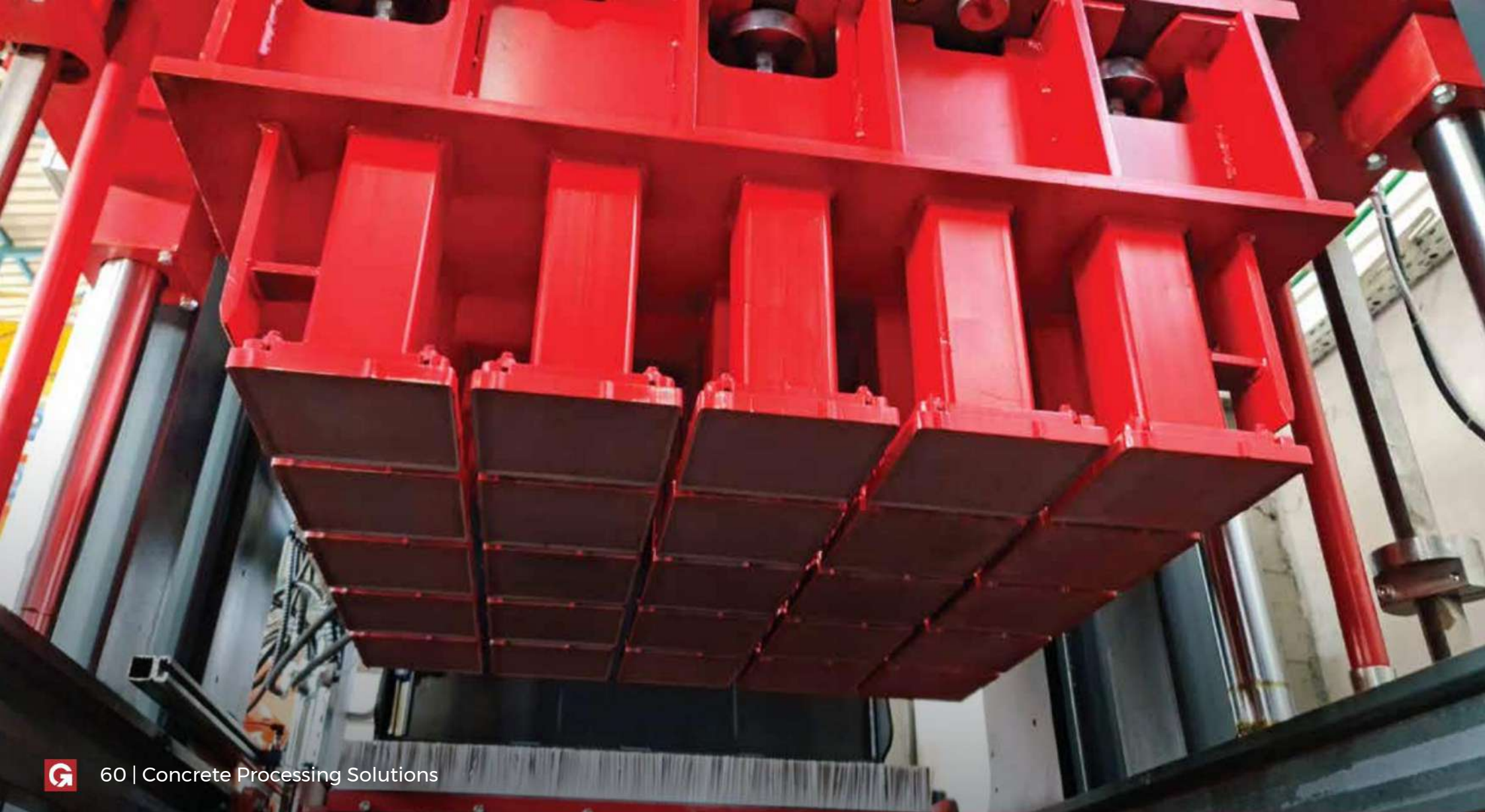
Standard Components:

- Top, bottom, and side hydraulic **splitting blades**.
- **Pusher table** and outfeed table.
- Customizable **lifting, handling, and transport** options according to plant configuration.

This treatment provides products with a **rustic and elegant finish**, ideal for walls, fencing, and special architectural projects.

With Grupex finishing systems, your products will gain **significant added value**, allowing you to stand out in the market with customized, modern, and high-quality solutions.

Optimize your production and maximize the appeal of your precast elements with our innovative finishing solutions.



04

Molds and Spare Parts for Block Machines

Molds

Our high-precision molds for precast concrete elements are designed to meet the most demanding production requirements in the industry.

Custom Design and Manufacturing:

Each mold is made to order, allowing our clients to specify the exact dimensions and characteristics of the precast product they wish to produce. Our engineering team provides personalized consultancy, proposing technical solutions tailored to each requirement and facilitating the creation of innovative, customized products.

High-Quality Materials and Advanced Manufacturing Processes:

We use special high-performance steels, subjected to heat treatments to achieve a surface hardness of 62+ HRC with a depth of up to 1.5 mm, guaranteeing high wear resistance and an extended mold service life. Manufacturing includes thermal cutting, welding, and high-precision grinding, ensuring the uniformity and quality of every part. In the final stage, heat treatment and case hardening (carburizing) are performed to achieve superior hardness and maximum performance.

Mold Components:

- **Mold box:** Manufactured via thermal cutting from a single piece of special steel, featuring heat treatment for surface hardening and the placement of spacers along the entire production height, ensuring high wear resistance. We offer a hardness of up to 60+ HRC at a depth of 1.5 mm.
- **Tamper head (Counter-mold):** Crafted from special hardened, milled, and polished steels using automated precision machining. Surfaces are hardened through heat treatment, reaching a hardness of 60/62 HRC with a depth of 0.5/0.8 mm. Precision adjustment is performed using specialized machinery, guaranteeing the exact fit of every component.



Diverse Applications:

Our molds are ideal for producing a wide variety of precast concrete elements, including:

- Hollow and solid blocks.
- Pavers.
- Curbstones.
- Floor blocks (Bovedillas).
- Other customized precast elements based on client specifications.

Compatibility and Adaptability:

We manufacture custom molds both for our Grupex block machines and for equipment from other manufacturers, ensuring superior performance and exceptional durability. This versatility allows our customers to easily integrate our molds into their existing production lines, maximizing efficiency and achieving the best return on investment (ROI), even when using third-party presses.

Commitment to Quality:

At Grupex, we are committed to providing products of the highest quality, backed by a team of professionals dedicated to offering solutions that optimize our clients' production processes. Our focus on precision, durability, and adaptability ensures that every client receives a product that meets and exceeds their expectations.



Spare Parts for Block Machines

Comprehensive Supply of Spare Parts: Keep your plant always running at peak productivity.

At Grupex, we understand that the continuity and efficiency of your production depend on the optimal performance of every component in your block making plant. Therefore, we offer a comprehensive and agile supply of spare parts—both original and compatible—guaranteeing maximum quality, durability, and performance to keep your operation at the highest level.

As your trusted partner, we ensure you have fast and secure access to all the parts your machinery requires, avoiding unnecessary downtime and production losses.

An extensive catalog of available spare parts

We provide a full range of components to keep your block making plant in top condition, regardless of the make or model. We work with Grupex machinery, but we also supply compatible spare parts for all leading brands in the market.

Our range of spare parts includes:

Mechanical Components:

- Transmission systems (sprockets, shafts, pulleys, gears).
- Bearings, bushings, and seals.
- Chains, belts, and tensioners.

Hydraulic and Pneumatic Parts:

- Hydraulic pumps, valves, and cylinders.
- High-pressure connections and hoses.
- Pneumatic components and sealing systems.

Electrical and Electronic Elements:

- Sensors, limit switches, and encoders.
- Electric motors and gearboxes.
- PLCs, touchscreens, and control panels.

Molds and Production Tools:

- Precision molds for blocks, pavers, and other precast elements.
- Tamper shoes, tamper heads, and spacers.
- Wear parts and interchangeable components for mold boxes.

Maintenance Accessories:

- Cleaning brushes, lubrication systems, and special tools.
- Complete preventive and corrective maintenance kits.



Speed and Availability: Spare parts always on time

We know that in an industrial production environment, time is money. That is why at Grupex, we provide:

- **Large stock available:** We guarantee the availability of the most in-demand parts for immediate delivery.
- **Efficient logistics network:** We ship spare parts worldwide with the utmost speed and security.
- **Urgent order management:** We offer an express service for critical cases where your production cannot afford to stop.

Original and Compatible Spare Parts: Guaranteed quality

At Grupex, the quality of our spare parts is a priority.

We supply:

- **OEM (Original) spare parts:** Designed specifically for your machine, guaranteeing a perfect fit and a long service life.
- **High-quality compatible parts:** Cost-effective alternatives with the same performance and manufacturing standards as the originals.

Every spare part undergoes rigorous quality control to ensure it meets the requirements of the most demanding working environments.

Your Trusted Partner: Personalized Technical Consultancy

More than just a supplier, at Grupex we position ourselves as your strategic partner. We have a team of specialized technicians ready to assist you with:

- Identifying the exact parts you need.
- Offering fast solutions tailored to your specific plant.
- Optimizing the performance and service life of your machinery.

Additionally, we offer **preventive maintenance plans** and technical recommendations to minimize downtime and reduce operational costs.

Why Choose Grupex?

- **Comprehensive Parts Supply:** Mechanical, electrical, and hydraulic spare parts, as well as production molds.
- **Multi-brand Compatibility:** Original parts and alternative spares for plants from all major manufacturers.
- **Fast and Efficient Delivery:** Immediate availability and global shipping.
- **Quality and Warranty:** High-performance spare parts with maximum durability.
- **Professional Technical Support:** Personalized consultancy and after-sales service, including specialized on-site technical visits.



05

Cast Stone: Molds for Fencing, Wall Cladding, and Wood Imitation

Molds for fencing

At Grupex, we specialize in manufacturing high-quality molds for the production of concrete fencing, offering solutions that combine durability, aesthetics, and functionality.

We offer a wide range of molds for the production of textured and architectural concrete fencing, designed to meet the highest demands of the construction and infrastructure sectors. Our molds, manufactured with premium materials and advanced technology, guarantee aesthetic, durable, and precise finishes. They are the ideal solution for residential, commercial, and architectural projects seeking to combine functionality, design, and strength with low maintenance.

From textures that imitate natural stone, face brick, or wood, to modular solutions for functional buildings, our products provide versatility and resistance. The ease of maintenance and the durability of precast concrete make our fencing an attractive and cost-effective option for any type of installation. With our solutions, you not only save time and money but also guarantee a high-quality, resistant, and visually stunning finish.



Stone mold

Mimics the appearance of natural flagstone, providing a rustic yet elegant finish. Ideal for projects seeking a classic and robust aesthetic.



Weathered Brick Mold

Reproduces the texture of aged face brick, offering a cost-effective solution with a traditional look.



3-Strip Slanted Wood Mold

Simulates the appearance of wood in three slanted slats, adding a natural and warm touch to fencing systems.





Straight / Slanted Wood Mold

Offers wood-grain design options in either straight or slanted patterns, adapting to a wide range of aesthetic preferences.



Modular buildings

Combine fencing elements with roofing systems to create versatile and functional modular structures.



Rancho Fence Mold

Designed to create rustic-style fencing, ideal for estates, farms, and rural areas.



Fence Post Mold

Enables the manufacturing of fences with decorative posts, adding a distinctive element to the overall design.

These molds are manufactured with high-strength materials, guaranteeing an extended service life and an impeccable finish on every project. By choosing our products, customers obtain **aesthetic and durable solutions that meet the highest quality standards.**

Wall Cladding (Stone Veneer)

Transform the appearance of your buildings with our molds for facade cladding and stone veneers, designed to provide aesthetic and durable concrete finishes.

These molds allow for the replication of high-quality textures, bringing a distinctive and elegant touch to any project.

Our products include:



Travertine Cladding

Imimics the elegance of natural travertine, providing a sophisticated and timeless finish.



Rough Cladding

Offers a rugged texture that brings robustness and character to facades.



Irregular Stone Cladding

Reproduces the appearance of irregular stones, creating a rustic and natural effect.





Multi-Stone Cladding (7 Units)

Simulates a set of seven stones, ideal for designs that require variety and dynamism.



Slate Cladding

Recreates the elegance of slate, providing a modern and sophisticated finish.

These molds are manufactured with high-strength, premium materials, such as polyurethane or silicone. These materials, combined with a proper concrete mix, allow for the perfect replication of the original stone's characteristics, achieving high-quality finishes. By choosing our products, customers obtain aesthetic and durable solutions that meet the highest quality standards.





Molds for Wood-look Concrete Products

Achieve the appearance of wood in a concrete piece, with zero maintenance and the robustness and durability of concrete.

These molds allow for the replication of wood-grain textures in concrete, bringing a rustic and elegant touch to any project.





06

Terrazzo equipment



Terrazzo equipment

At Grupex, as official distributors of OCEM and CASSANI-LONGINOTTI, we offer a wide range of state-of-the-art machinery and technological solutions for the manufacturing of terrazzo elements and its industry.

Thanks to our alliance with these industry-leading brands, we provide high-efficiency and quality equipment that ensures exceptional results in the production of terrazzo tiles, mosaics, and decorative pavements, as well as their finishes.

Automatic double-layer presses:

The range of double-layer presses is designed to adapt to different production levels, with a capacity to manufacture between 200 and 1,900 m² per day, depending on the required tile format, which can vary from 20x20 cm up to 100x100 cm.

Among the standout models, the **OPA-650** is distinguished by its superior pressing power of over 300 tons, making it an ideal solution for the efficient production of terrazzo tiles. This model can be equipped with additional features, such as a **face-mix dispenser**, a backing-layer dosing hopper, and a tile take-off extractor.



Additionally, all presses are equipped with state-of-the-art hydraulic and pneumatic systems, ensuring precise dosing and optimal compaction to guarantee a high-quality finish on every tile manufactured.

Concrete Plants (Batching Plants):

Complete systems including hoppers, **screw conveyors**, and dosing systems, guaranteeing a homogeneous, high-quality mix for terrazzo production.

Automatic single-layer presses:

The range of single-layer presses is designed to adapt to different production levels, with a capacity to manufacture between 350 and 1,800 m² per day, depending on the required tile format (ranging from 20x20 cm to 100x100 cm).

Among the standout models, the **OPA-600** is distinguished by its superior pressing power of over 600 tons, making it an ideal solution for the efficient production of terrazzo tiles. This model also allows for the manufacture of double-layer tiles.

Abrasive segments:

Designed for **terrazzo polishing**; their use ensures tiles achieve uniform, high-quality finishes.

Finishing Equipment: Polishing, calibrating, shot-blasting, or beveling machines:

Essential machinery to achieve a premium, distinctive finish on every tile. We offer equipment for **automatic tile polishing** post-manufacturing, ranging from 4 to 15 heads. For projects requiring exact tile thickness, we provide automatic **calibrating machines**, as well as beveling machines for cases where a beveled edge is desired. Finally, for a superior architectural finish, we offer **shot-blasting machines**.

Horizontal or Vertical Extractor:

We offer complex robotic systems for extracting tiles from the press and handling them through subsequent treatments. These systems are available with **horizontal or vertical movement**, depending on the client's needs, capacity, and integration into the production line.

By choosing Grupex, our clients gain access to advanced machinery and specialized support, optimizing the efficiency and quality of their production processes. Whether you are looking for a complete production plant, high-capacity presses, or polishing tools, at Grupex you will find the perfect solution to enhance your results in terrazzo element manufacturing.



Contact



Total Commitment to Your Business

At Grupex, we know that every second counts in manufacturing and time is money. That is why we offer a close, **high-level service designed to guarantee the maximum performance and efficiency of your plant**. Our specialized team will support you at every stage, responding quickly and effectively to your needs after commissioning.

What do we offer?

- 360° Consultancy
- Tailor-made projects
- Training and support
- After-sales service

With Grupex, you have an ally who understands your challenges and is prepared to solve them.

**We support you every step of the way;
your success is our commitment.**



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DRIVING THE FUTURE
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