



2050S MACHINE
 Structure 180 x 180 x 10 mm.
 Tray 1200 x 700 x 45 mm.
 Vibration with electric force and frequency control. Powered by servomotors of 7,5 Kw x 4.
 4 columns of 80 mm.
 Pneumatic system for fixing molds and tamper.
 Automatic mould changing device.
 Tray injector with speed adjustment.
 Production from 50 mm to 300 mm.
 Hydraulic equipment of double pump of 45Kw.
 Digital control pressure and speed at all times.
 With double layer for paving stones and also curbstones
 Noise insulation system.
 Machine weight: 12 Tonnes + 4 Tones Face Mix



HANDLING SYSTEM
 Non-stop operation.
 With high precision control by laser.
 Operator control point, fresh and dry pieces.
 Tray brush.
 Elevator 10-12 levels.
 Finger car with rotation and Wifi from Operator cabin. Laser position control. Smooth movement. Hydraulic centering tunnels.
 Transport weight: 5 tonnes
 Curing chamber with air circulation, humidity and temperature control.



AUTOMATIC MOLD CHANGING
 To remove the mold, we have assistance system to reduce the time to do it.
 Mold is fixed by air pressure, not screw.
 The tamper have a pneumatic device to fix it. To adjust the box feeder to mold height, we use a two gearbox with lineal encoder.



CONTROL EQUIPMENT
 SCADA system to control the full installation, with three screens
 Electrical and hydraulic equipment with temperature control on an elevated first floor
 Production and efficiency monitoring of the installation, data accessible via Rometa Cloud System
 On-line assistance.



CUBIC SYSTEM
 For blocks, pavers, all types
 Pneumatic or servo motor for handling the pieces.
 Robust structure with smooth movements.
 Servo motors for lifting and translation.
 Lifting with 4 columns and double toothed belt. Pneumatic prepacking system.
 Extra independent pallet stock.



BATCHING PLANT
 Mixer 1125/750 + 357/250 Planetary Water distribution. Moisture control. Transport system with belt or areal hopper. Mixing with color mix.
 Color dosing.
 All parameters controllable from the operator cabin.

AGGREGATES
 Underground or elevated hoppers with large capacity, from 3 to 8 hoppers
 Hopper loading systems
 Dosing systems via belt or weighing hopper.



- B1 : Mixer
- B2 : Silos
- B3 : Discharge point
- B4 : Elevator
- B5 : Distributor
- B6 : Hopper
- B7 : Weighing device



PRODUCTION
 Tray 1200 x 700 mm

7.5 blocks 40 x 20 x 20	1800 pieces / hour
7 ceiling blocks 54 x 15 x 20	1400 pieces / hour
25 pavers 20 x 10	120 sqm / hour
Max. height block	300 mm
Min. height block	50 mm

BUILDING AND LAND
 Building: approx. 1200 sqm
 Stock area: approx. 1500 sqm
 Power: 110 Kw

Block making machines since 1956

ROMETA 2050S



1800 pc/h

1200-1400 X 700 MM

110 kw

1200 sqm

INSTALLATION ROMETA 2050S TO PRODUCE BLOCKS, CEILING, KERBS, PAVERS. EASY ASSEMBLING AND USE. FULL AUTOMATIC.



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Non contractual document.

ROMETA 2050S

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Control equipment



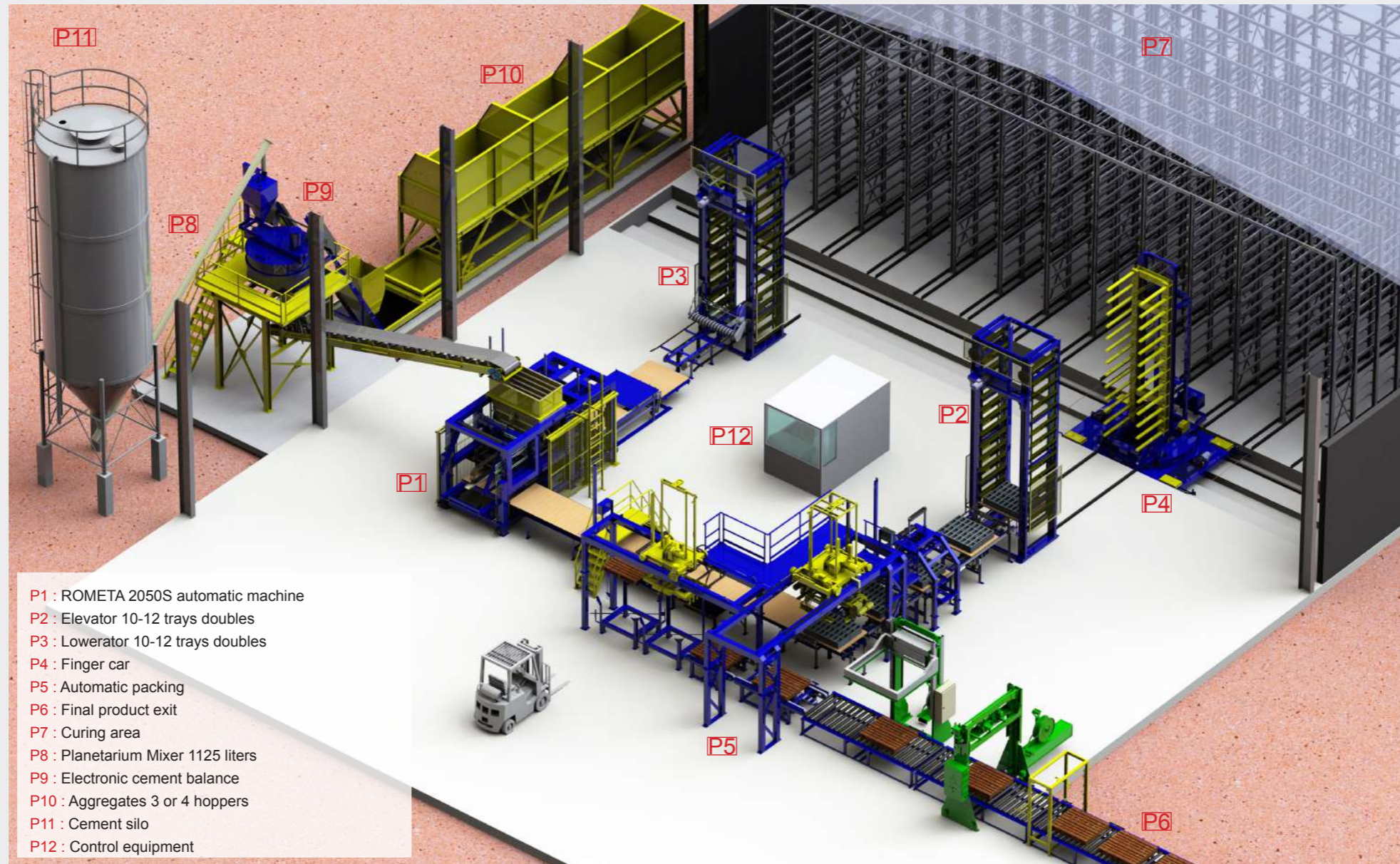
Automatic mold changing



Carrusel



Face-mix



- P1 : ROMETA 2050S automatic machine
- P2 : Elevator 10-12 trays doubles
- P3 : Lowerator 10-12 trays doubles
- P4 : Finger car
- P5 : Automatic packing
- P6 : Final product exit
- P7 : Curing area
- P8 : Planetarium Mixer 1125 liters
- P9 : Electronic cement balance
- P10 : Aggregates 3 or 4 hoppers
- P11 : Cement silo
- P12 : Control equipment



Pneumatic or servo motors gripping



Hydraulic equipment



Servo motor vibration



Feeding box with laser control



Curing area



Soundproof cabin



Online technical assistance



Production control

OPTIONS ROMETA 2050 S



EPS feeding



Laser high control



Color-mix



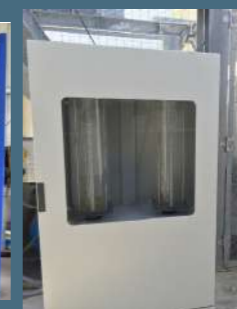
Aerial hopper



Sprayer



Color doser



Additive

PIECES

