



WHAT'S IT?

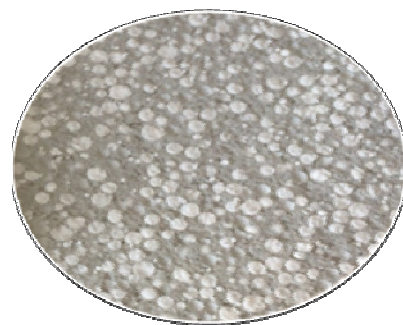
Complete plant for **LIGHTWEIGHT CONCRETE** production, designed with top quality components and based on the needs of construction site. K250 is the smallest version of KOMPATTO R16 with a 250 lt mixer.

WHAT MAKES?

LIGHTWEIGHT CONCRETE with FOAM (FOAM CONCRETE - CLC)
and
LIGHTWEIGHT CONCRETE with EPS (POLYTECH – EPS CONCRETE).

It differentiates from ordinary concrete because the inert, is replaced partially or totally by small air bubbles, that are artificially placed in the mixture or by the EPS beads of max 6 mm.

The amount of these small cells or beads, determines the characteristics of the material obtained, as lightness, insulation, mechanical strength, fire resistance, workability, etc ..



HOW IT WORKS?

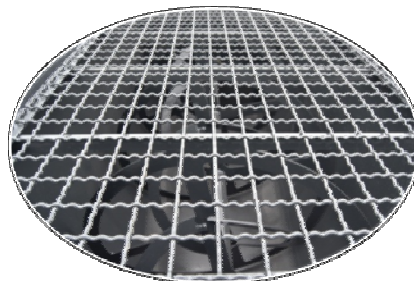
The raw materials water, cement and sand (if needed), are mixed into the mixer and at the end is added the quantity needed of foam or EPS, by the Foam Generator or by the EPS bags.

The ready product is pumped by the Mono-screw system and hoses.

The daily maintenance of the machine after work, is the cleaning with water using the "Cleaning Kit" supplied and the greasing of all the bearings.

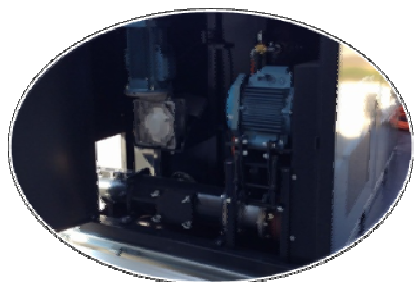
The ordinary maintenance instead is the replacement of the stator of the Mono-screw pump and the "Spare part Kit" of the Foam Generator. The duration of these parts depends on how and how much the machine has been used.

HOW IS COMPOSED?



MIXER

- 250 lt of capacity
- Automatic Water Pump
- Double mixing direction
- Splash covers



PUMPING SYSTEM

- Mono-screw System
- Clutch System for starting
 - Rotor / Stator
- Fast connection for replacement.
- Pump inversion button



HOSES CONNECTION & FOAM SETTINGS



ELECTRICAL PANEL

- Phase Inverter
- Contactors and Motors protections
- Timer for water



FOAM GENERATOR

- Air compressor with tank
- Foam Pump
- Flow meter for Foam density control
- Pressure regulator
- Nozzle



K250

MADE IN ITALY

USED FOR?

Screeds, Roofs & Void Fillings, Road Sub-Bases, Bridge Abutments, Ground Stabilization, Walls cast on site, Precast Panels, Light Blocks, Slope Roofs.



Road Sub-Bases



Roofs & Void Fillings



Ground Stabilization



Walls cast on site



Precast Panels



Bridge Abutments



Slope Roofs



Light Blocks



coisoimper.com
AVANTGARDE LIGHTWEIGHT CONCRETE

OPTIONAL FITTINGS

- **EWS:** Electronic Weighing System for an automatic and accurate production.
EWS controls the automatic loading of the raw materials from the screw conveyor and the water pump, increasing the production capacity until the 25%.
It is composed by: Load cells, display for setting formulas, structure in steel.
- **DOSING PUMP:** for the automatic dosage of the Foaming Agent.
- **DIGITAL TIMER:** for the automatic loading of foam.
- **FLOW CONTROL:** to change the flow rate of the material pump (Reduce the flow up the 50%).
Very useful when pumping in tight spaces, as walls with small thickness or for pumping in vertical increasing the distances. **With FLOW CONTROL is also possible pump SELF-LEVELING**
- **KIT FOR LONG DISTANCES:** Kit for pumping 80 mt in vertical / +100 horizontal.
- **TSR:** System to be applied in the mono-screw pump reducer, to prevent the entry of concrete into the gears, due to the back pressure of the material during vertical pumping.
- **MiV System:** to increase the production of 40 – 50 %. (Only Foam Concrete 400 kg/m³).

OPTIONAL ACCESSORIES

- **RUBBER HOSE Ø50 - mt 10/pcs.** Hoses (40 Bar) used for pumping **density higher than 600 kg/m³**.
- **RUBBER HOSE Ø60 - mt 10.** Initial hose used for pumping **max density 600 kg/m³**. (Needed 1 piece)
- **PVC HOSE Ø60 - mt 15/pcs.** Intermediate hose extension, for pumping **max density 600 kg/m³**.
- **PVC HOSE Ø60 - mt 20.** Final Hose with 1 fitting for pumping **max density 600 kg/m³**. (Needed 1 piece)
- **WIRED REMOTE CONTROL - 50 mt.** For starting and stopping the mono-screw pump at a distance.
- **ELECTRIC CABLE - mt 25.** To connect the machine to the main power of the Building Site.
- **TOOLS** for maintenance (tool box, spanners, screw drivers....).
- **KIT FOR CLEANING** hoses and the machine.
- **WATER TANK – 1.000 lt.** For water storage.
- **GREASE GUN** for the Anti-drip seals of mixer and pump.

Hoses, Cable,
Remote Control, Tools..



Dosing Pump



"Cleaning Kit"



EWS display



OPTIONAL EQUIPMENT

➤ CTC v2

Screw conveyor designed to reduce dust and loading times of the cement bags into the mixer.

Removable in two pieces for an easy transport.

Technical details:

Power: 2,2 Kw

Length: from 2,6 mt to 3,5 mt.

Hopper capacity: 150 Kg

Weight: from 150 to 200 Kg



➤ CBS4

Conveyor belt designed for loading sand into the mixer, to facilitate and reduce the loading times.

Foldable in two pieces for an easy transport.

Technical details:

Length: 4 (Foldable in 2 pieces).

Hopper capacity: kg 125

Power: Kw 1,5



➤ TRAILER

For the transport of K250 and all the accessories.



Versions		K250 Basic Version without "anti dust doors"	K250s	K250x
Max production capacity		4 m ³ /hr	4 m ³ /hr	8 m ³ /hr
Designed for		Pumping low distances. Screeds/ roofs Walls Blocks	Pumping low distances. Screeds/ roofs Walls Blocks	Pumping medium distances. Screeds/ roofs Walls Blocks
Other applications		Panels Geotechnical	Panels Geotechnical	Panels Geotechnical
Dimensions		180x100x80 cm		
Weight		500 kg	550 kg	600 kg
Power		8 Kw	8 Kw	10 Kw
Foam production capacity		150 lt/min	150 lt/min	150 lt/min
Max pumping capacity		90 lt/min	90 lt/min	300 lt/min
Maximum Dry Density		1.600 kg/m ³	1.600 kg/m ³	1.600 kg/m ³
Max pumping distance	Low density 400 kg/m ³	Vertical 20 mt Horizontal 50 mt	Vertical 20 mt Horizontal 50 mt	Vertical 50 mt Horizontal 100 mt
	High density 1600 kg/m ³	Vertical 10 mt Horizontal 30 mt	Vertical 10 mt Horizontal 30 mt	Vertical 30 mt Horizontal 60 mt
Optional fittings	Ews	Applicable		
	Dosing Pump	Applicable		
	Digital Timer	Applicable		
	Flow Control	Not Applicable		Applicable
	Kit for long distances	Not Applicable		Applicable
	Tsr	Not Applicable		Applicable
	MiV	Applicable		
Optional Accessories		Applicable		
Optional Equipment		Applicable		

