

# PLM-C

Mobile plant for mixing and pumping cellular cement and lightweight mortars, based on light aggregates, like virgin polystyrene beads, perlite, vermiculite for the thermal insulation of floor, walls and roof



Also for  
**LIGHTWEIGHT MORTARS**  
**100% POLYSTYRENE**

**THE CONCRETENESS OF THE PLANT,  
THE LIGHTNESS OF THE PRODUCT.**



**K.G. Bontira s.r.l.**

INNOVAZIONE TECNOLOGICA AL SERVIZIO DEL POSATORE  
DI MASSETTI TRADIZIONALI, ALLEGGERITI E AUTOLIVELLANTI

## CHARACTERISTICS

The mobile unit can be placed on a 4 axes truck or a semi-trailer

The plant is simply locked on the vehicle trough **STANDARDIZED TWIST-LOCKS**.

The **ON-BOARD GENERATOR** ensures the complete autonomy of all the engines at the jobsite. Anyway, there is always the possibility to use the power supply of the job site, if this is available.

All functions are controlled and set using the rational control panel, provided with a **TOUCH SCREEN**.

The control system manages, doses and weights up to five components. All the batches are recorded and any production report (daily, weekly, jobsite) can be downloaded to an USB key.

The stainless steel mixing trough has a **SPECIALLY DESIGNED DOUBLE HELICAL RIBBON SHAFT** rotating within. This ensures an optimum blend of the cement slurry but at the same time avoids high shear stress that can damage the foam.

It is able to blend cellular concrete and lightweight mortars with 100% of virtual aggregates, like virgin polystyrene beads, crushed polystyrene, perlite, cork and vermiculite.

With an accessory, available on request, it is also possible to dose automatically sand.

A wide range of accessories is included.



## BENEFITS

The application of the products with PLM-C is more efficient and makes operationally more sense.

The mobile plant arrives at the job site ready to start, simply connect the water hose, roll out the mortar hoses, set the recipe and **JUST SWITCH ON: GO!**

**AUTOMATIC OPERATION** with remote control: nobody must stay at the truck.

The emission of dust is virtually absent, no cement bag to be loaded into the mixer, homogeneous mix of the components, batch after batch.

The whole working area is kept **CLEAN**, there are no cement pallets and water tanks. No bags to be disposed.

Reduced noise emission, neighbours are not disturbed during the application

Start-up and final cleaning operation are extremely simple and fast.

## ADVANTAGES

PLM-C brings a dramatic added value to your job

The **MECHANISATION** and the user friendliness allow the best use of the resources: workers can use their time more proficiently than loading cement bags into the mixer.

Astonish your contractor, the job site manager and the developer because of your **FAST AND CLEAN** operation way: they won't see the "old" system in their jobsites anymore!

Higher **COMPETITIVENESS** is achieved not only because of the better cost efficiency but also because of the better and more consistent quality of the products

The professional applicator with PLM-C becomes the problem solver of his customers.

The proven reliability and robustness of PLM-C reduce the risk of breakage and loss of production. Anyway, a competent technical staff is always close to you in meeting all the challenges of the modern jobsite.



## TECHNICAL DATA

Plant length	8000 mm
Width	2500 mm
Height	2630 mm (from chassis)
Weight	7000 kg
Volume cement silo	19 m <sup>3</sup>
Water storage capacity	1600 l stainless steel
Water pump	200 l/min
Additive pump	30 l/min
Mixer volume	1000 l
Progressive cavity pump capacity	520 l/min
Compressor	670 l/min
Conveying distance	150 m
Conveying height	50 m
Generator	30 KVA



## CONSTRUCTIVE DATA

- Cement silo with coupling for pneumatic blowing-in
- Cement conveying screws
- Hydraulic power unit
- 1000 l stainless steel mixing trough with stainless steel double helical ribbon shaft
- 2 stainless steel water tank 800 litres each
- Water pump for mixing water
- Metering water pump for the foam, including dosage system of the liquid admixture
- Air compressor
- Lance for foam making
- Progressive cavity mortar pump
- Control panel including input touch screen
- Electrically driven hose drum with 60 meters of PU spiral hose
- High pressure water cleaner
- Remote control



# K.G. Bontira s.r.l.

INNOVAZIONE TECNOLOGICA AL SERVIZIO DEL POSATORE  
DI MASSETTI TRADIZIONALI, ALLEGGERITI E AUTOLIVELLANTI

Chi gà bon tira  
