

More independence to build in 3D with the

MOBILE LAB

Design any mix of 3D printable mortars and concrete, anytime and anywhere, using materials available locally



Technical data

Dimensions :
standard 20' container
(6.05 m x 2.44 m x 2.59 m)
Weight : 2.2 T
Power supply requirements :
220V, 6KW



All equipments included
More details on other side

Principle of use

Materials available locally

Development of 3D
mortars and concrete

3D print your own
proprietary mix



Complementary to all types of 3D construction printers

Detail of some of the main equipment included



1 OVEN 105°C

Used to dry wet materials



1 SCALE 6KG - 0,01G

Used to weigh water and the main materials



1 SIEVING COLUMN

Used to separate the different particles sizes of a material



1 ANALYTICAL SCALE 220G - 0,1MG

Precision scale used to weigh the admixtures



1 STANDARDISED MIXER 5L

Used to prepare the fresh mortar



1 CONSTRUCTIMETER

Automated testing press for fresh 3D printing material. The Constructimeter results allow you to estimate the best printing speed for a material.



1 HAGERMANN FLOW TABLE

Slump test for mortar materials, to determine their fresh consistency.



1 FALL CONE

To determine the structuration rate of the fresh material



1 VICAT NEEDLE APPARATUS

To determine the initial and final setting time



PRISM MOLD 40*40*160MM

There are two categories of molds : the first is used to prepare the samples for the mechanical tests and the second is used to prepare the samples to check the shrinkage.



1 VIBRATING TABLE

Used to make the samples which will be used for the mechanical tests.



1 CLIMATIC ROOM

Used to regulate temperature and relative humidity of the environment to check the mortar shrinkage.

The Mobile Lab is also available in a sedentary version, to set up an existing laboratory or a new one.
More information on constructions-3d.com



1 MORTAR MECHANICAL MACHINE

Used to determine the flexural and compressive resistance of a material.

CONTACT

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PRICE :

185 000 € EXCL. TAX

AVAILABILITY :

UNDER 3 MONTHS

