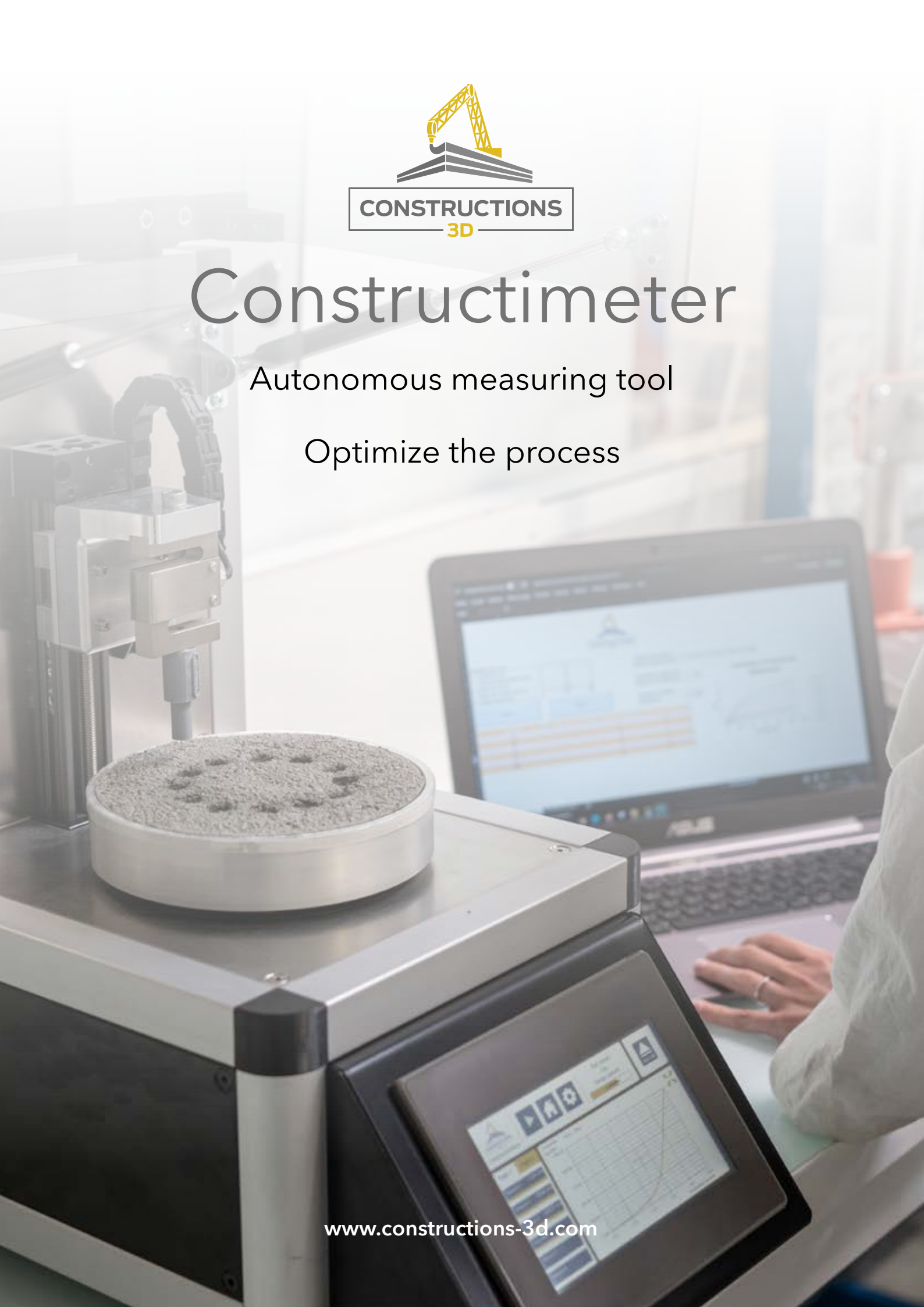
CONSTRUCTIONS 3D

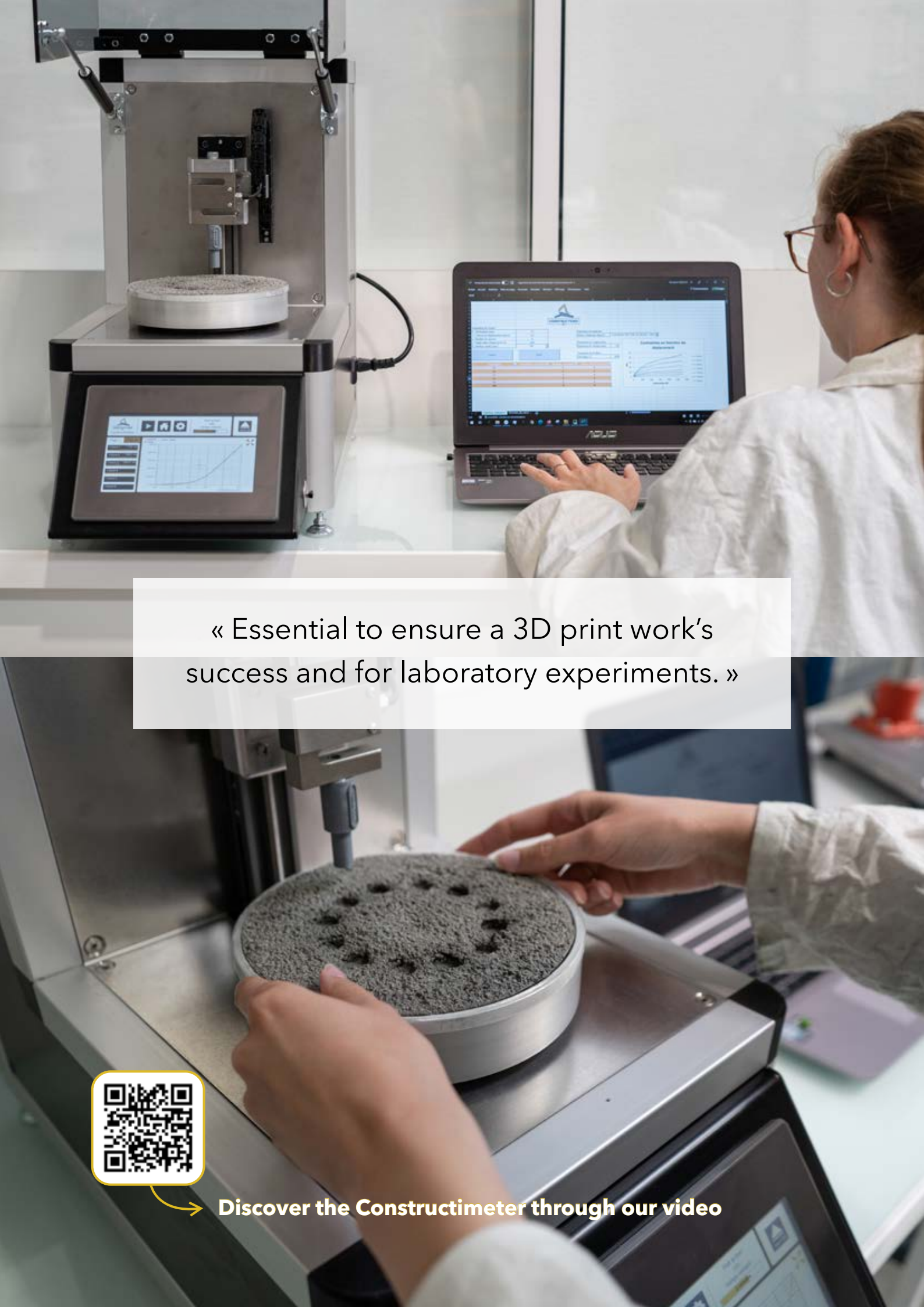
Constructimeter

Autonomous measuring tool

Optimize the process



www.constructions-3d.com



« Essential to ensure a 3D print work's success and for laboratory experiments. »

Discover the Constructimeter through our video

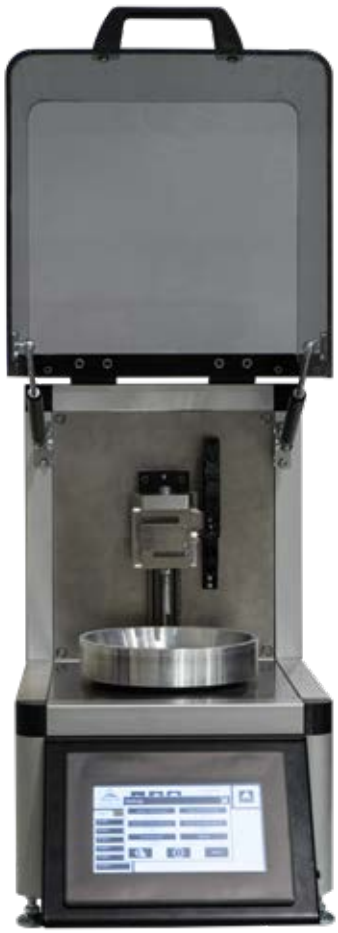
Package contents

1 trowel

1 power cable

1 USB drive

1 CSV data interpretation program



1 constructimeter

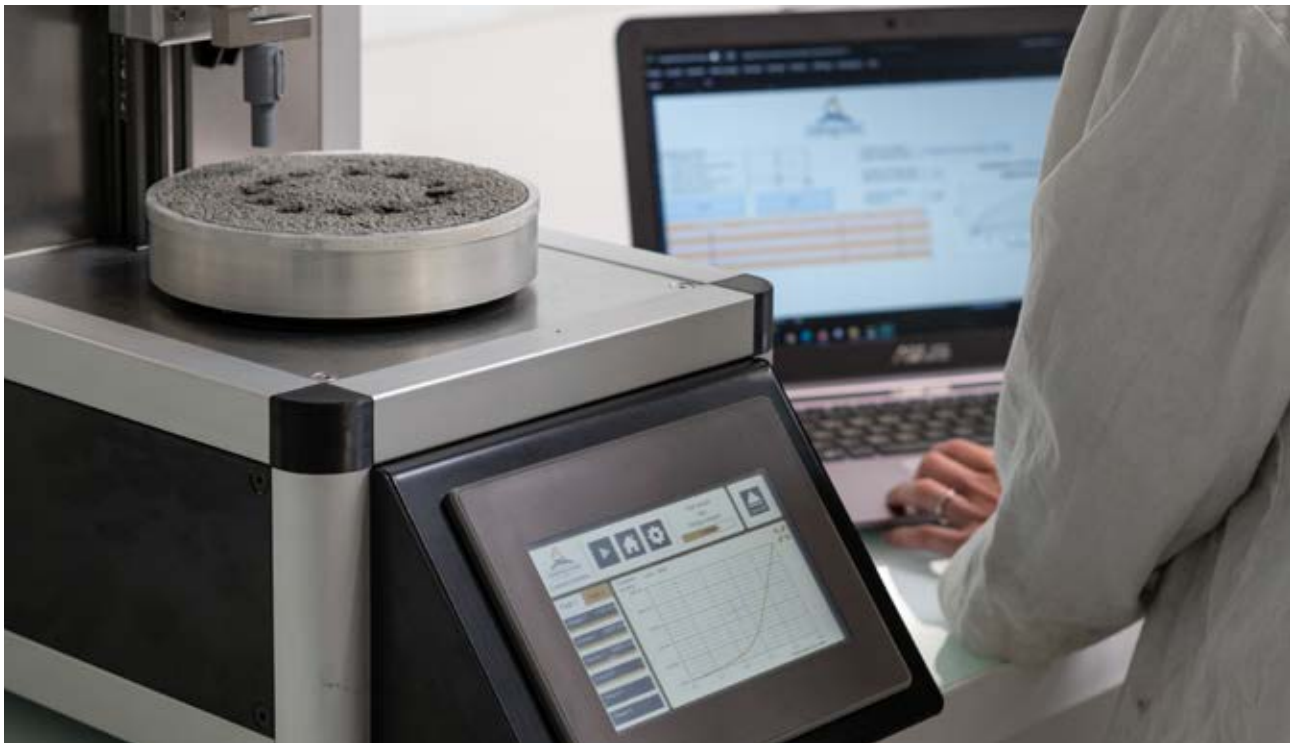
3 probes

3 diaphragms

1 plate

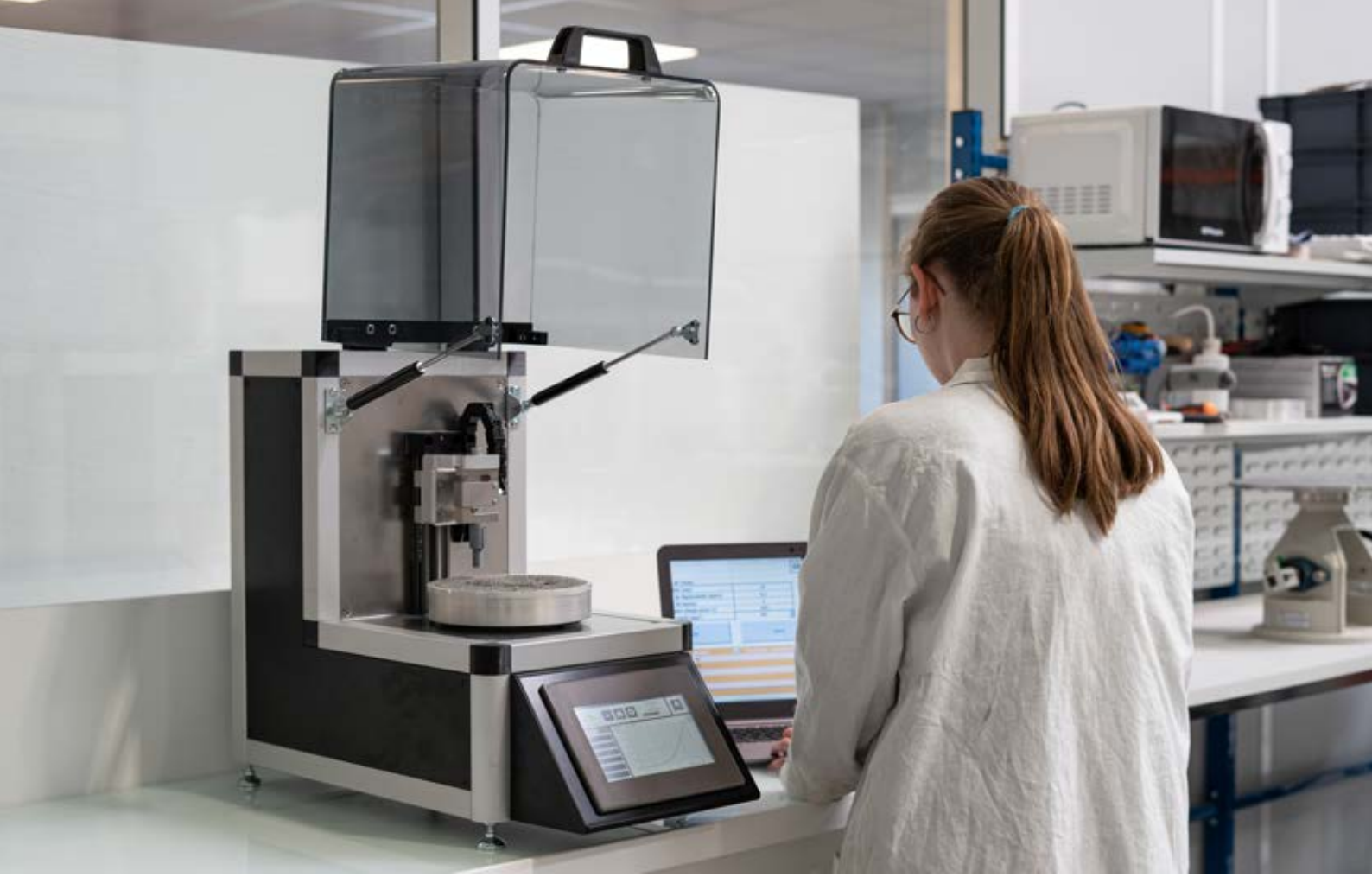
Introduction to the Constructimetre

The Constructimeter is a stand-alone measuring device designed and manufactured by Constructions-3D.



Used in 3D printing

Its use is essential. The Constructimeter results allow you to set up your 3D printer in order to guarantee and optimise the printing speed of your works (3D printed furniture or building).



Use in a laboratory

This device allows to measure the material strength increase (mortar type, in the fresh state) over time, in an autonomous way.

The essential tool for your 3D printing lab

With the Constructimeter, you can **get reliable measurements made independently, and then use their results in record time**, with very low restriction related to preparation or cleaning.

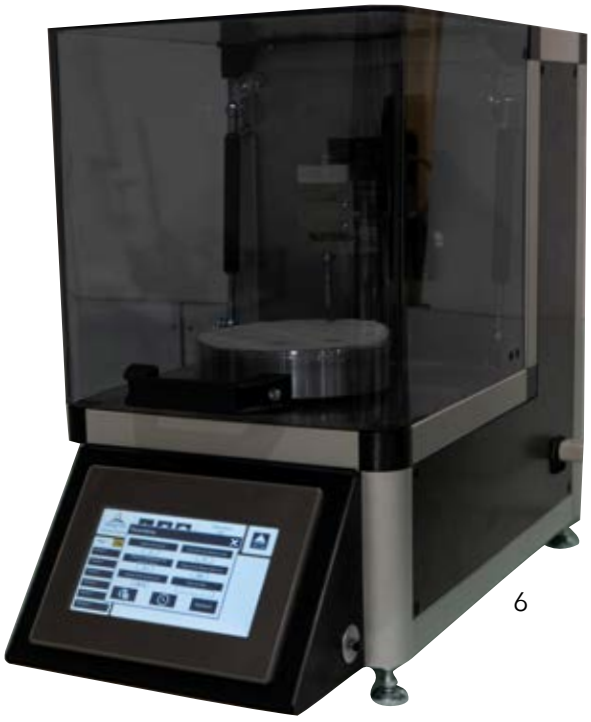
Technical specifications

General Information's

Dimensions (L x D x H)	30 x 60 x 51 cm / 12 x 24 x 20 inch
Weight	27 kg / 59.50 Lbs
User screen	TFT LCD touch screen with 65,000 colours
Supply voltage	230 VAC (110 VAC optional)
Required power	3A
Volume of sample material to be tested	616 cm^3 / 37,6 $inch^3$
Compatible materials	Fresh building material: Mortars, binder pastes, clays...

Test parameters

Adjustable time between measurements	85s to 3 600s
Displacement speed	from 0.1 to 2.0 mm/s / from 0.004 to 0.07 in/s
Interchangeable probe depending on material	50 - 100 - 200 mm^2 / 0.08 - 0.2 - 0.3 in^2
Sample holder	From 1 to 12 measuring points
Additional sample holder	Optional
Protective diaphragm supplied	Flexible TPU



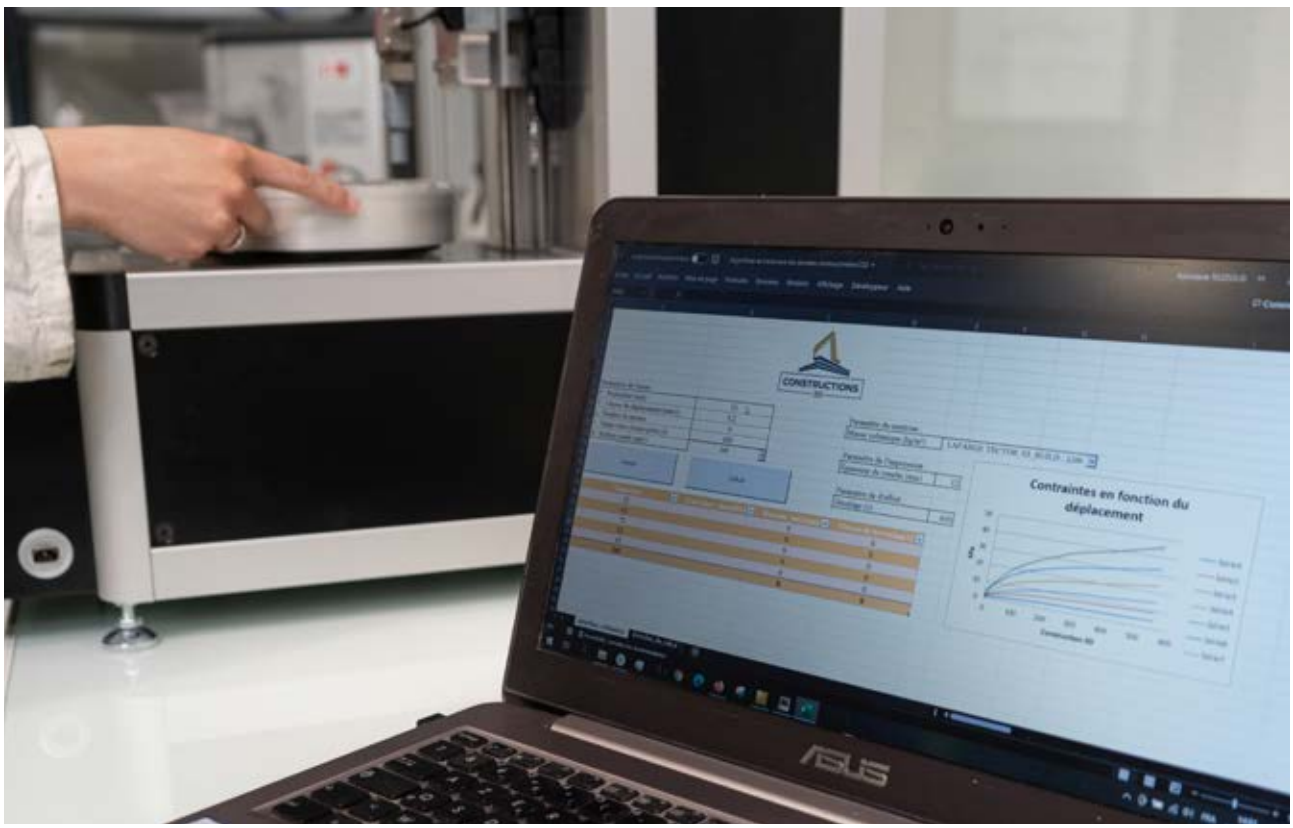
Customization of the tool

The Constructimeter is configurable from its interface to allow you to create your test protocols with your custom parameters.

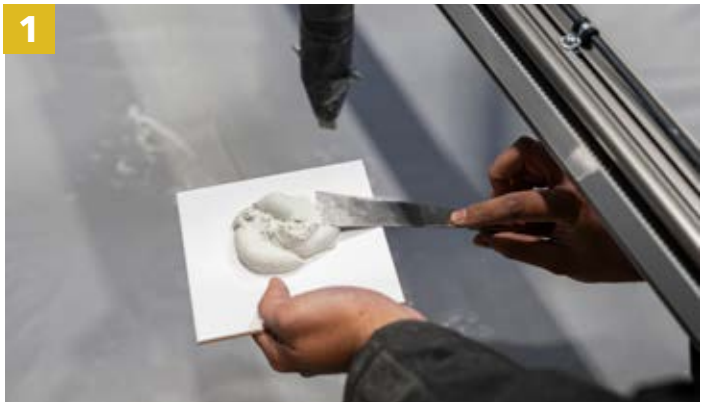
You can also use the standard test protocol predefined by Constructions-3D.

Results

Results exporting	.cvs format
Languages	French & English
USB drive	Supplied



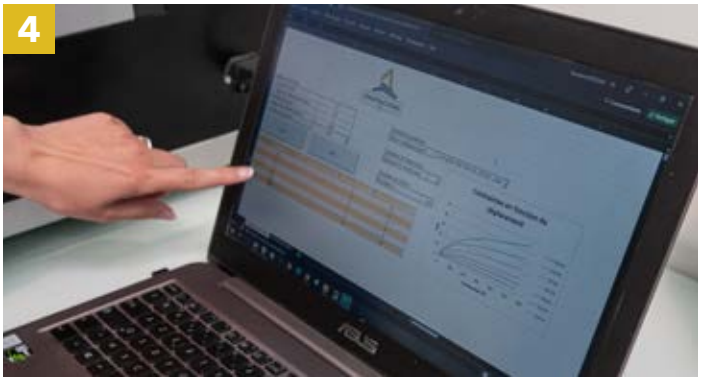
Use



Step 1 Collect fresh material for testing

Step 2 Fill the sample holder with material

Step 3 Place the sample holder in the Constructimeter : It carries out the measurement protocol independently



Step 4 With the supplied software, evaluate the measurements made. Among other things, you get the tested material print speed limit

Step 5 Remove the wafer from the sample holder and rinse the diaphragm with clean water

Discover our other products

MiniPrinter PRO

The robust, versatile 3D printer is designed to meet the high expectations of professionals seeking precision, efficiency and ease of use
Available in XL version.

MaxiPrinter

On site 3D printer. The complete solution for automated construction

MiniPrinter EDU

Compact 3D printer developed for education

Training and support

Master the knowledge, make a significant step forward and develop your own

They trust us

Our project

LA CITADELLE des SAVOIR-FAIRE

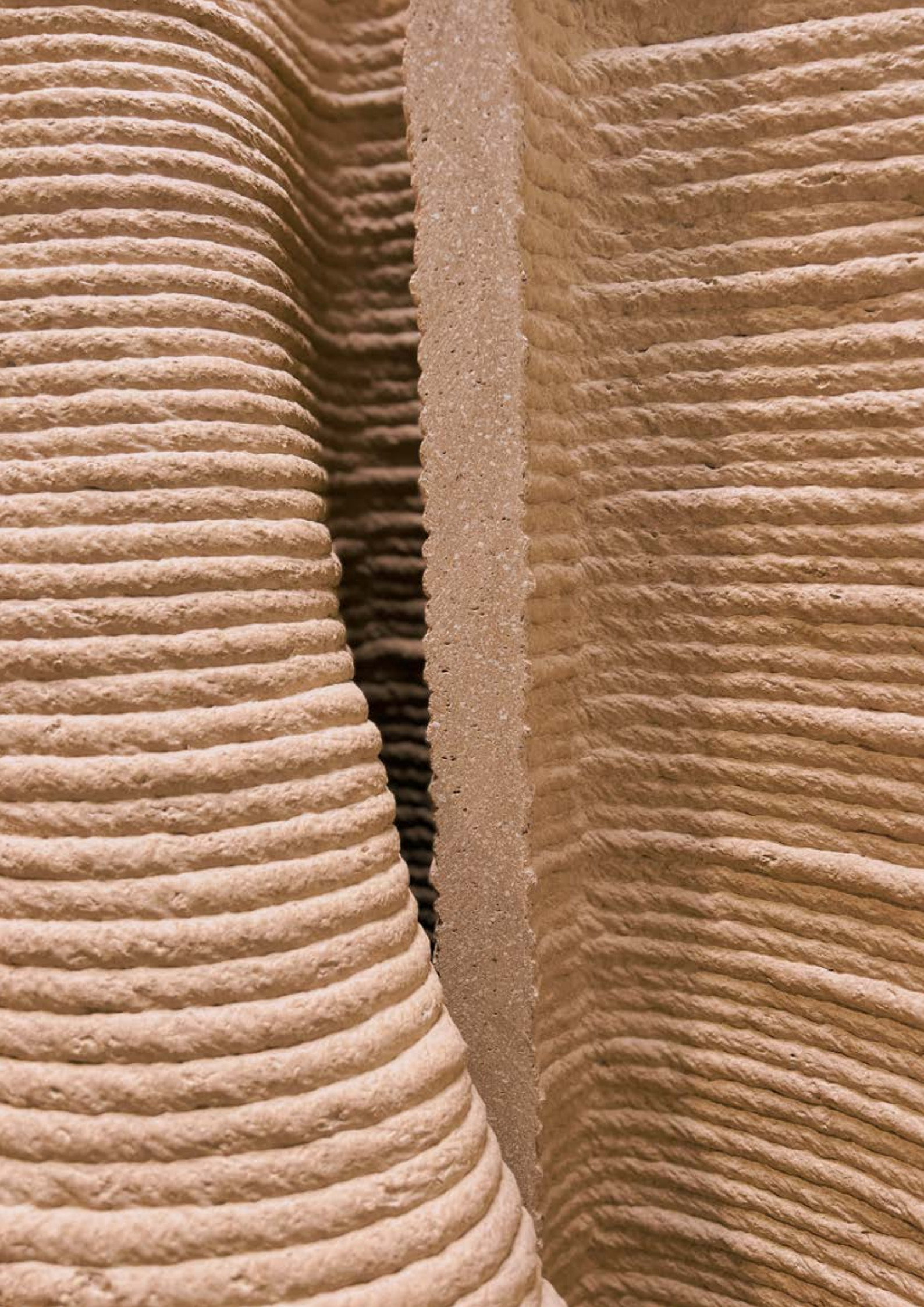
The first 3D concrete printed building in France
The most ambitious project of open-air laboratory for 3D construction
Work in progress

30/03/2020
Obtaining
the building permit

11 200 m²
or 13 395 sqyd
Building land

2 800 m²
or 3 349 sqyd
3D printed
buildings

1500 m²
or 1 794 sqyd
Warehouse for
the manufacture
of 3D printers



CONSTRUCTIONS 3D

Complete solutions for automated construction

CONTACT

03.74.01.03.75

info@constructions-3d.com

www.constructions-3d.com

Constructions-3D
La Citadelle des Savoir-Faire
83 rue des Mines Innovantes
59860 Bruay-sur-l'Escaut France