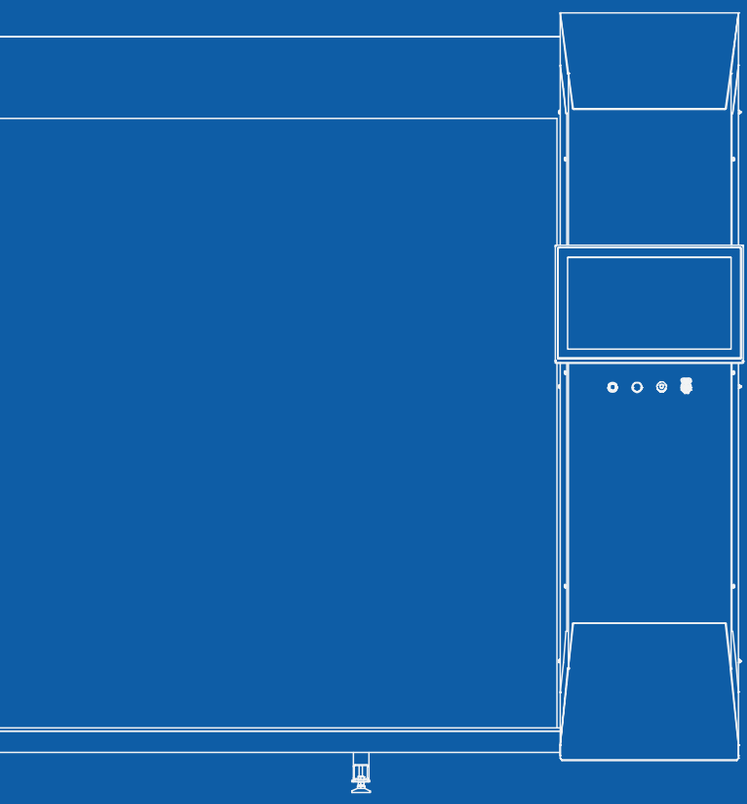
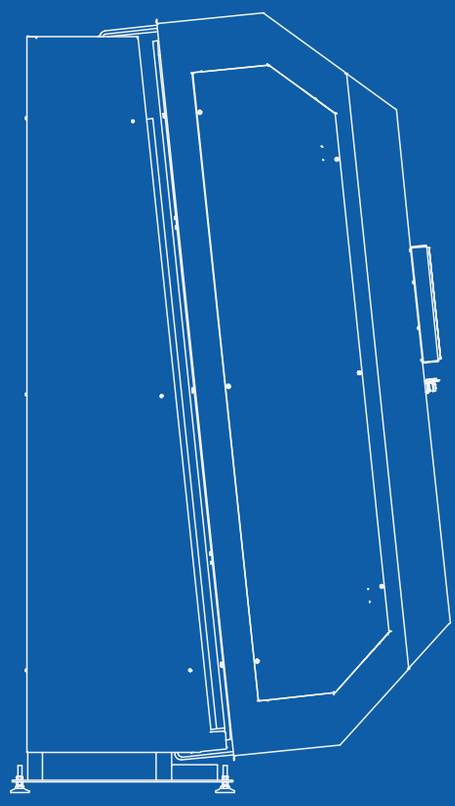
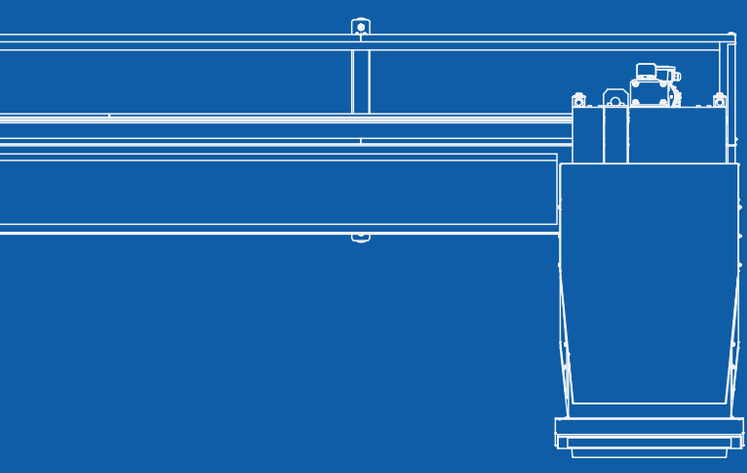
DIVISION MACHINES

CATALOG 2024

MARMO VIEWER 3D^{ML}







marmoelettromeccanica

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We proudly represent one of the leading Italian companies in the metal-mechanical sector, specializing in manufacturing diamond tools, machines and plants for processing ceramic, natural and synthetic stone.

Internationally acclaimed, we boast the highest number of patents, utility models, and industrial designs in the stone industry, filed, extended, and confirmed on a global scale.

MARMO
VIEWER 3D ML

Innovation and Tradition in Stone Processing

Thanks to a set of ultra-high-resolution cameras, this machine can accurately capture every detail of the veins, colors, and unique characteristics of natural stone slabs.

Why process with MARMO VIEWER 3D ML

This technology allows clients to view precise images of marble slabs, highlighting their beauty and uniqueness remotely.

The ultra-high-resolution scans provide a realistic preview, eliminating surprises during installation. Additionally, it optimizes inventory management by allowing slab selection directly from a digital database, without the need for physical inspections.

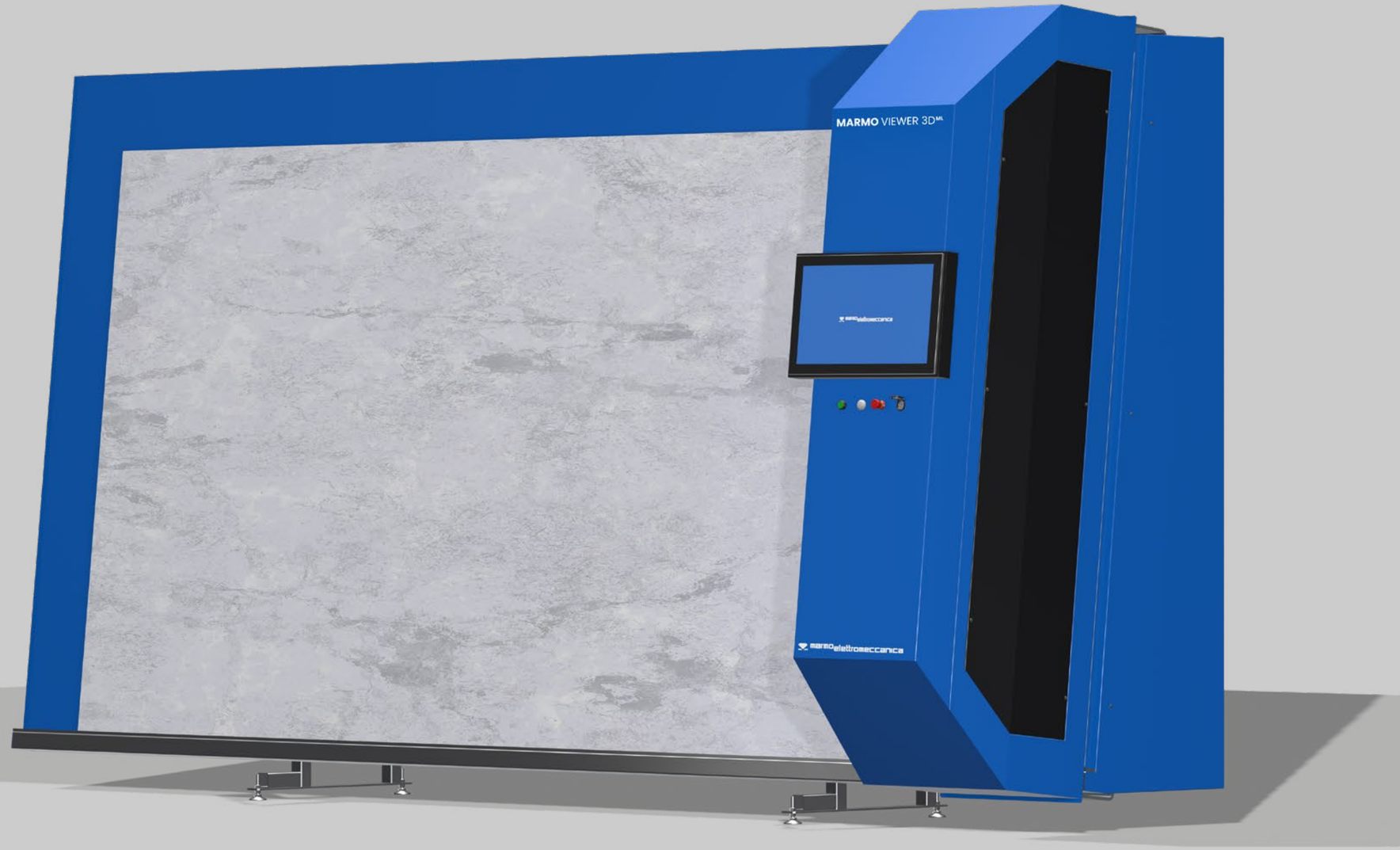
Features

Precision
Every detail of the slabs captured with exceptional clarity.

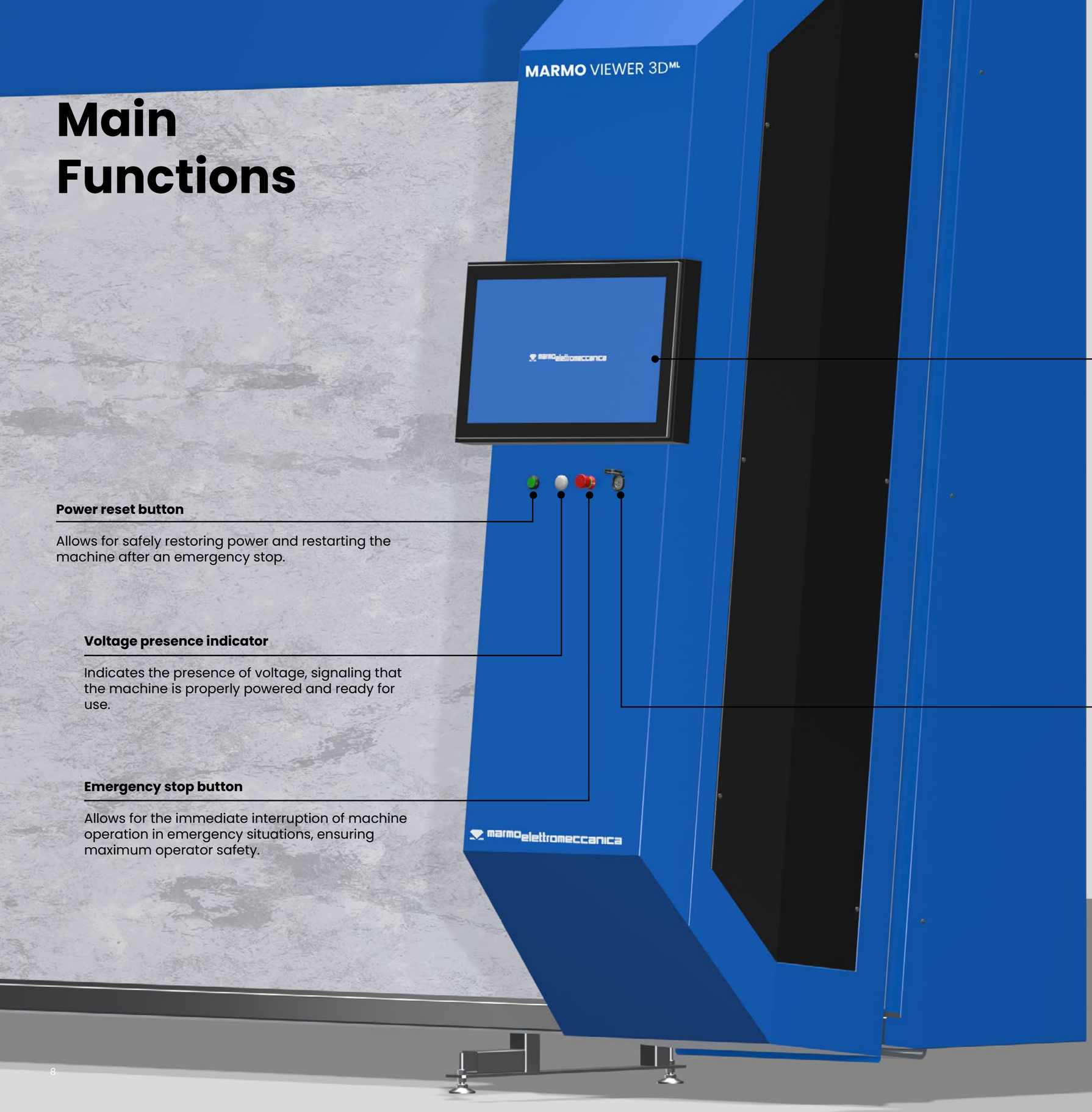
HD Images
The result is a library of ultra-high-resolution images.

Max slab dimensions
4000x2200mm to ensure compatibility with a wide range of formats.

Touch-Screen
A large touchscreen ensures simple and intuitive machine control.



Main Functions



Power reset button

Allows for safely restoring power and restarting the machine after an emergency stop.

Voltage presence indicator

Indicates the presence of voltage, signaling that the machine is properly powered and ready for use.

Emergency stop button

Allows for the immediate interruption of machine operation in emergency situations, ensuring maximum operator safety.

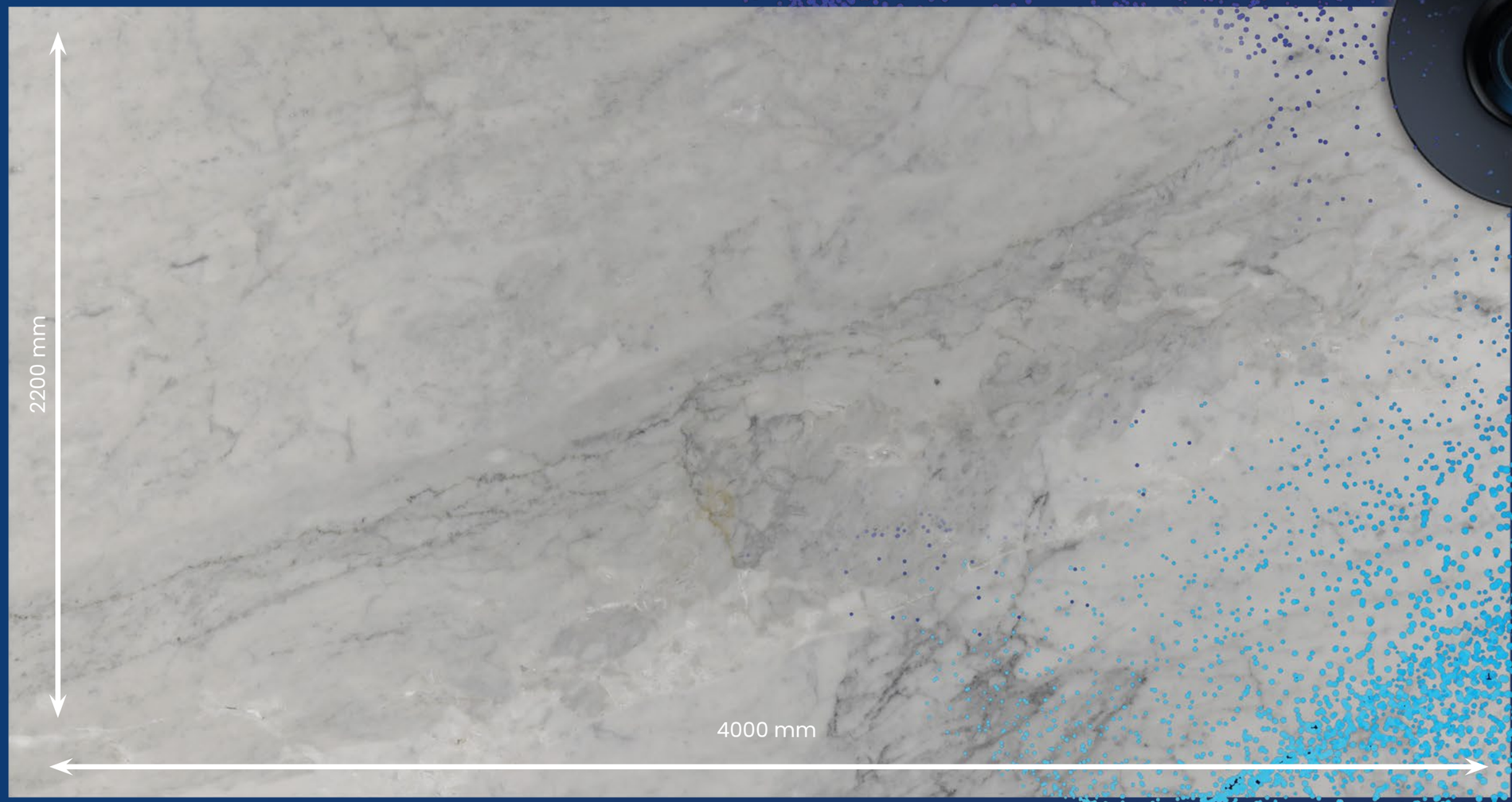
24” Full HD Multi Touch Monitor

For simple and intuitive machine control. Thanks to touch functions, a wide display, and a user-friendly interface, the operator can easily navigate through settings, view scanned slabs, and manage the image database with ease.

USB Port

The machine is equipped with a USB port to connect devices such as printers or external storage devices.

High Resolutions Images



HD

12K

12288x6480 px

4000x1200

Max dimension slabs

Output File

LxH
Exact
shape

DXF
Standard file for
CAD software

SVG
Vector file
for versatile use

JPG
HD image
file

Panel PC

For total and intuitive control of the machine from a single large screen.

Touch Function
Touch screen for simple and immediate control.

FULL HD
Full HD resolution for optimal viewing of controls and settings.

Technology
User-friendly Interface with intuitive controls to optimize the production process and reduce setup times.

Machine Movements

The **MARMO** VIEWER 3D moves smoothly along the longitudinal axis of the slab, performing a perfect scan of the entire surface. In this way, every detail is captured with maximum accuracy, ensuring a faithful reproduction of the slab.

Within the scanning unit, the machine is equipped with a controlled lighting system, designed to operate in an enclosed environment.

This feature is essential for accurately preserving the natural colors and veining of the marble, eliminating external influences such as reflections or light variations, and ensuring images that precisely reflect the real appearance of the slabs.

Horizontal movement
Fully automated movements along the horizontal axis to scan the entire surface of the slab.

Dedicated software to speed up the workflow

The machine’s software has been specifically designed to optimize slab scanning, ensuring maximum control and precision.

Among its main features are color correction, the ability to directly print labels with various details, and the creation of an archive and library to effectively manage all scanned images.

Through a dedicated web app, fully tailored to its functionalities, this system allows the management of all images, labels, and slab archives directly online via an internet connection.

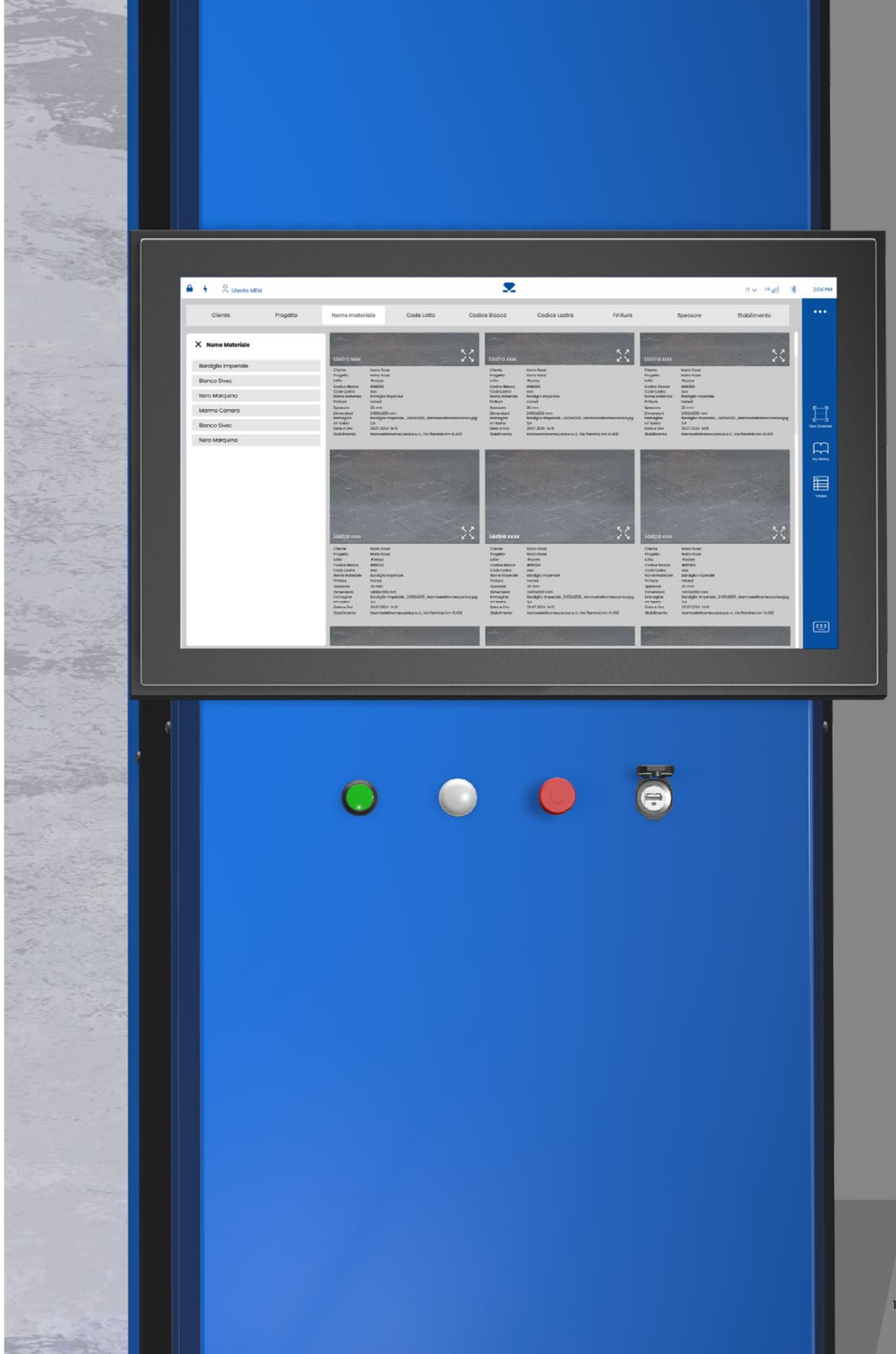
Color corrections

Image capture

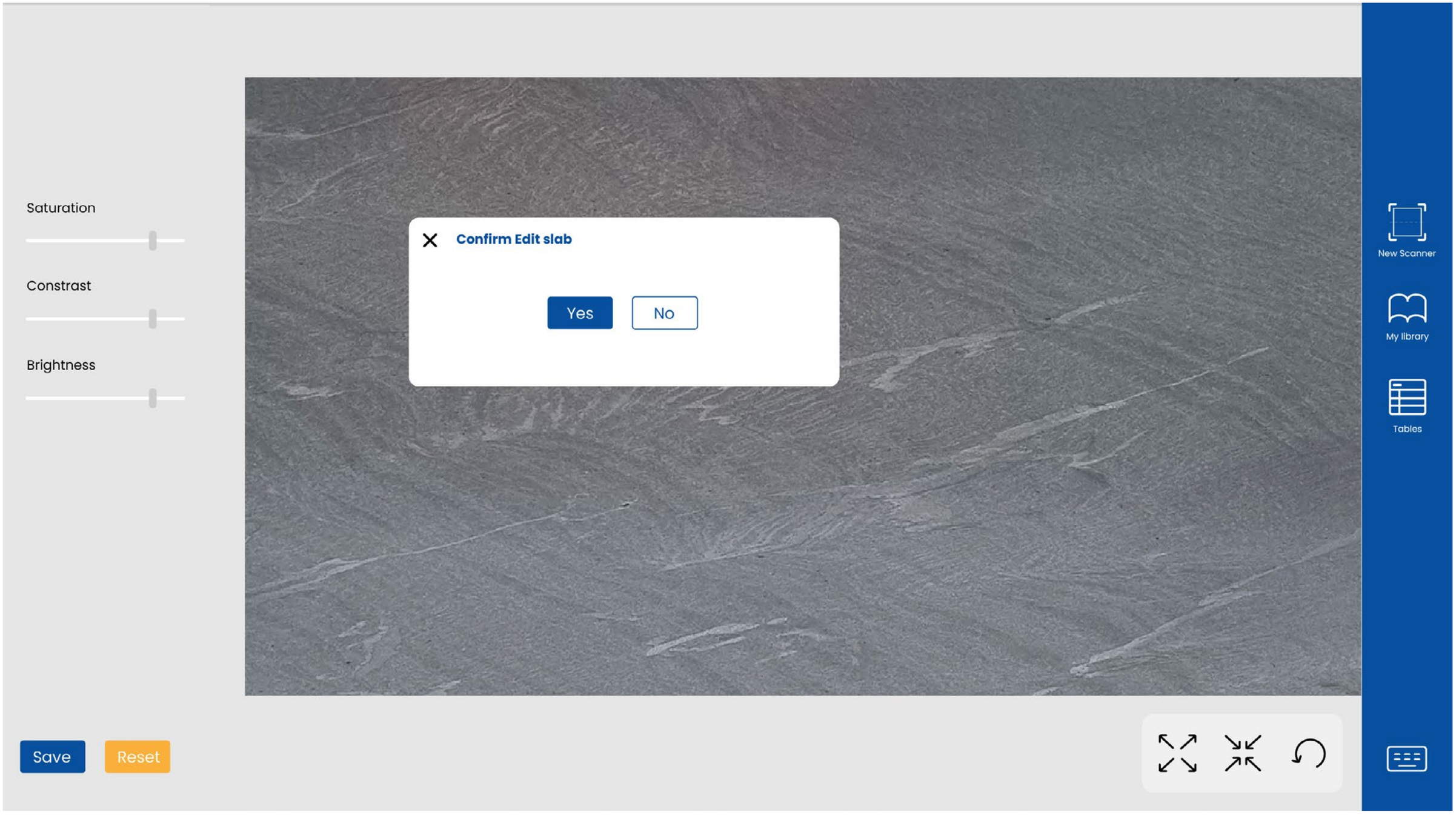
Print Label

Archive

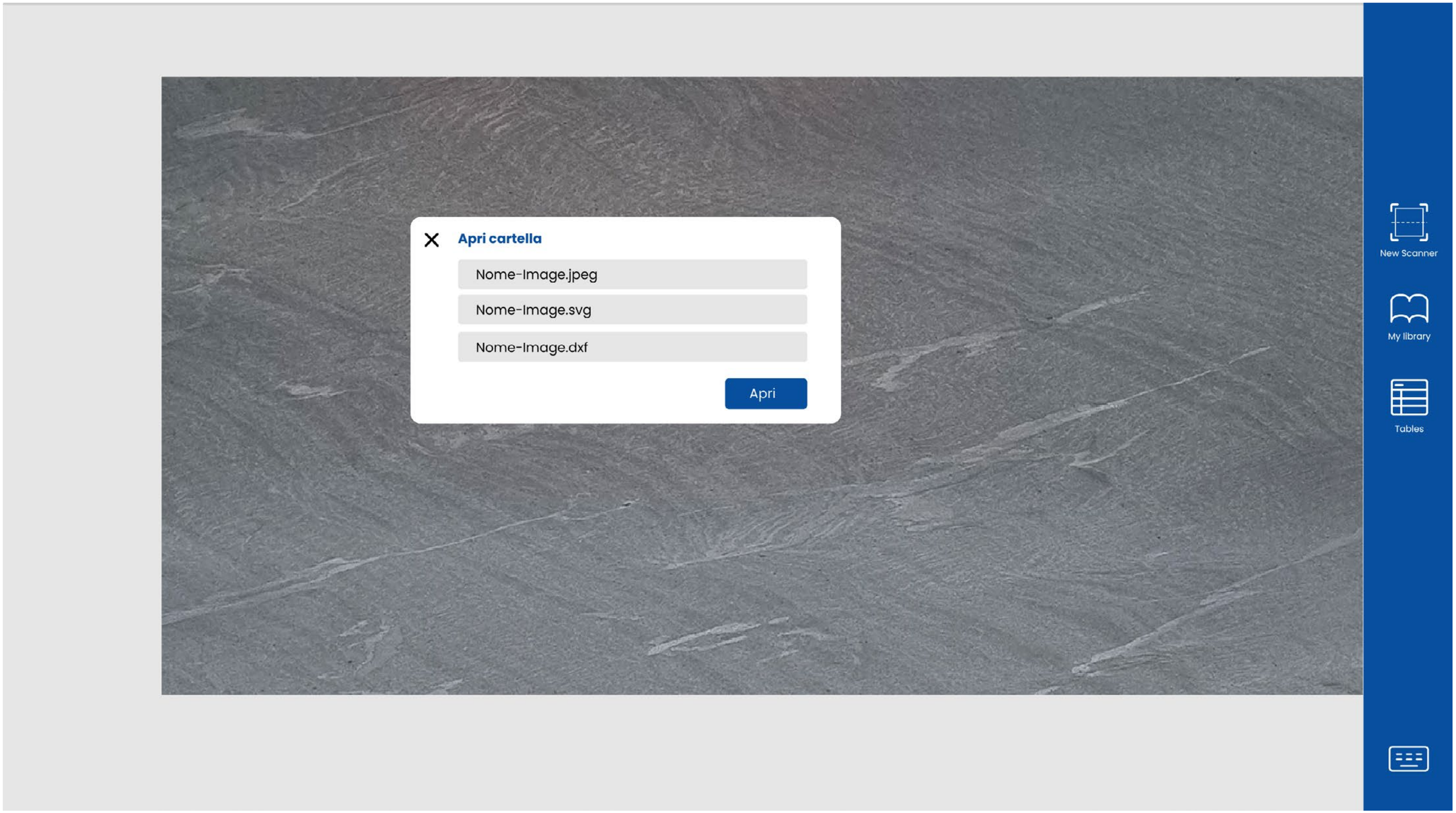
Inventory



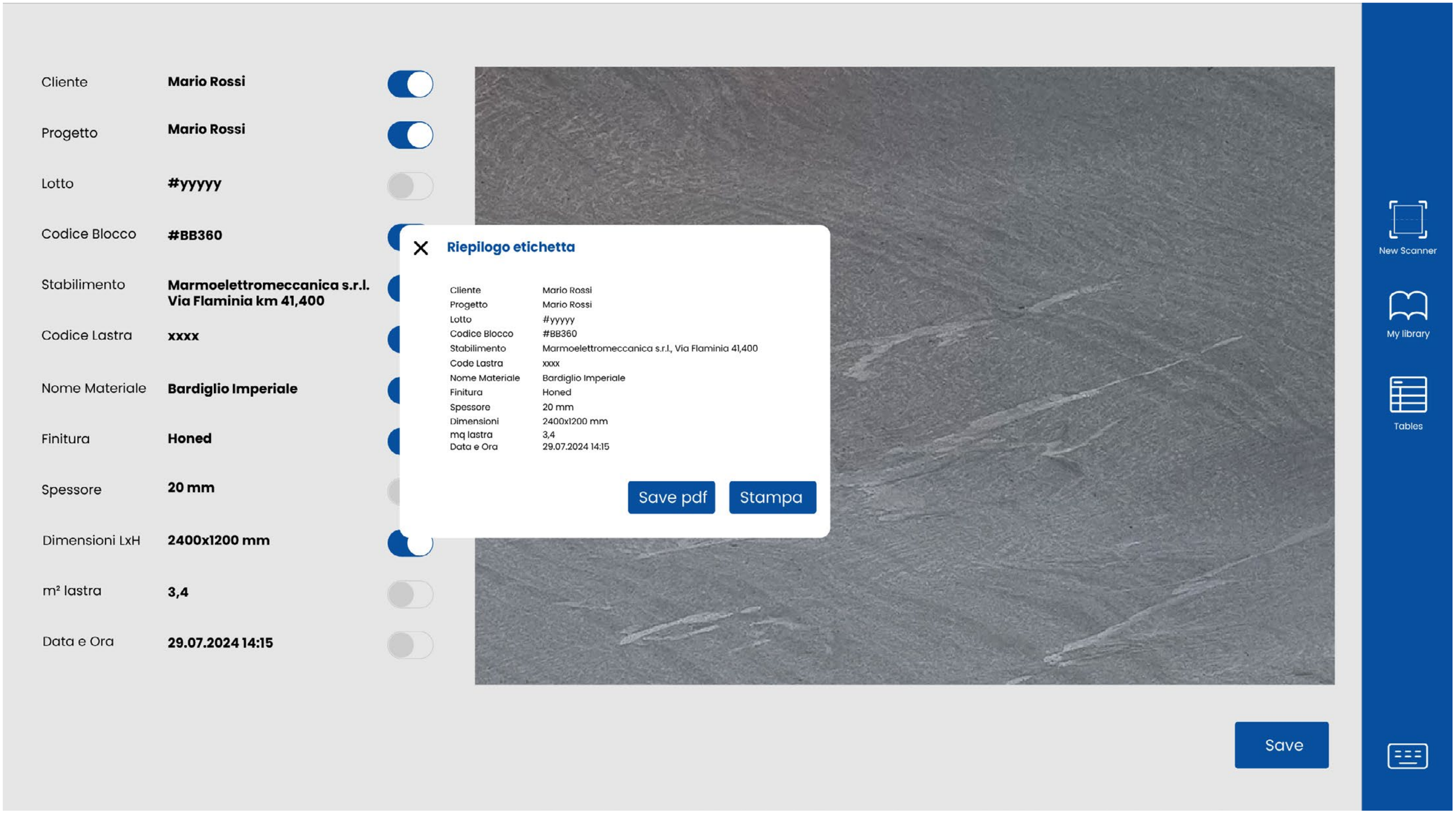
Out put scan
Exact slab dimensions.
Total surface area expressed in square meters.
Technical specifications.



Color Correction Image
Thanks to this feature, the visual fidelity of the scanned images can be optimized. If slight adjustments are needed, corrections can be made directly from the monitor integrated into the machine.



Export File
The machine allows exporting files in various formats:
JPEG: high-resolution images of the slabs, ready to be shared or archived;
SVG: vector format for various types of use;
DFX: standard format for integration with CAD design software.

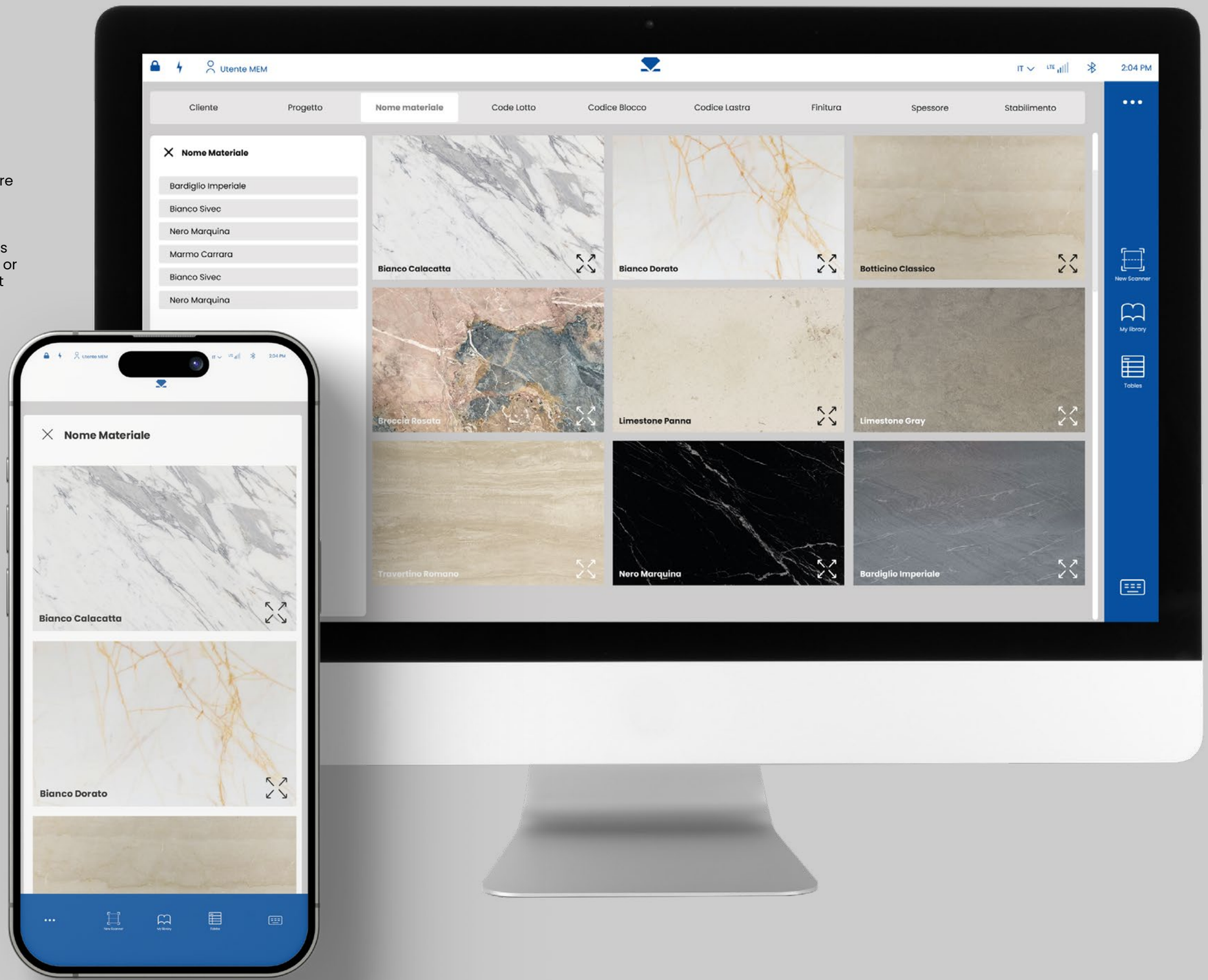


Print Label
Labels can be printed and customized according to the customer's needs.

Images Library

The machine is equipped with a dedicated section for managing the image library, where all scanned slabs are stored in an organized database.

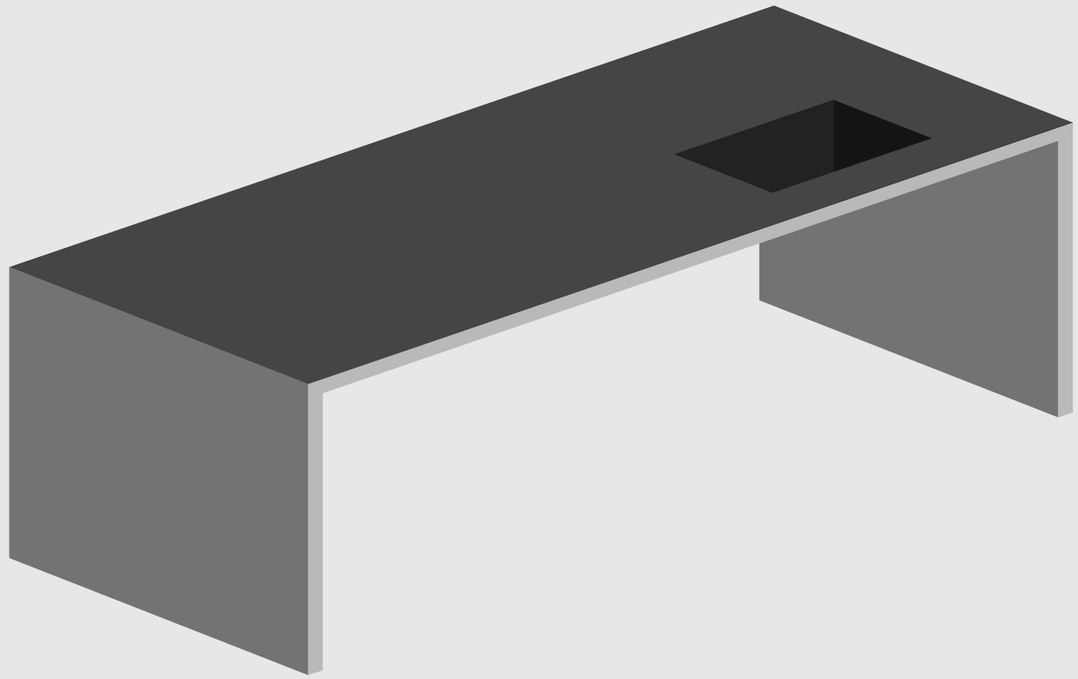
This system allows filtering images by various categories, such as material type, customer, or finish, making slab search and management simple and intuitive.

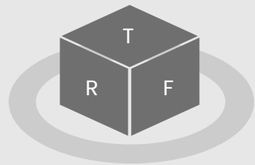


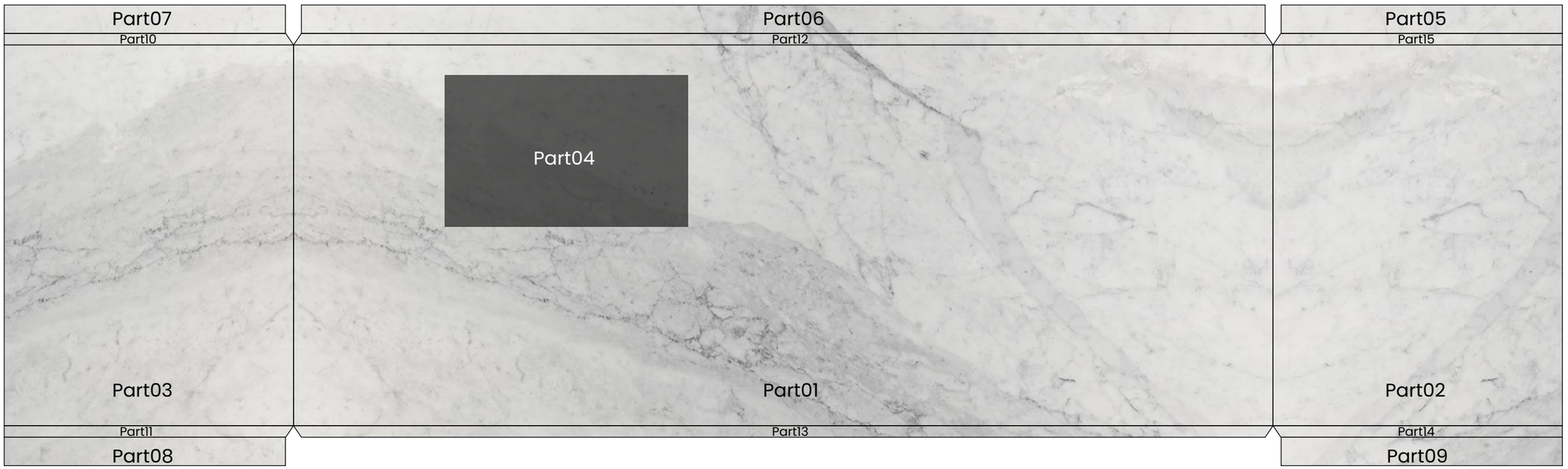
Switch for Vein Matching

Vein Matching is an advanced optional software used to manage and optimize the virtual alignment of scanned slabs, ensuring that the marble veining perfectly matches the various projects.

Vein Matching is an optional feature available upon request, ideal for those seeking to achieve perfect visual continuity in projects, enhancing the aesthetic effect of marble or natural stone.

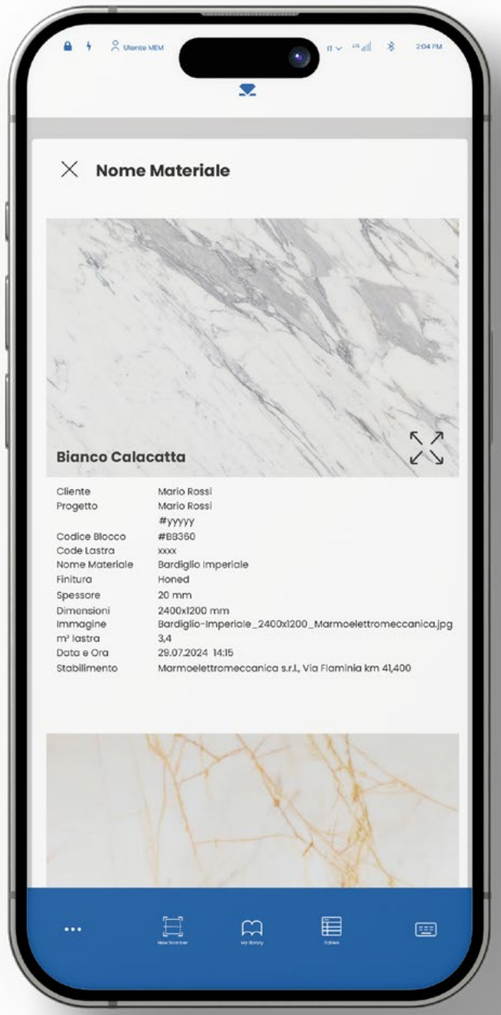






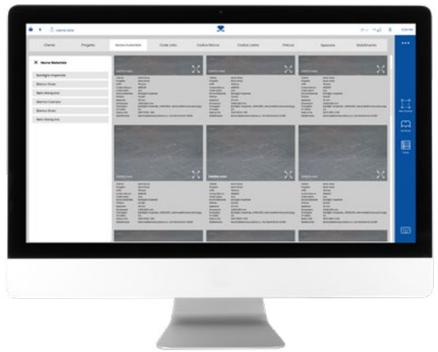
Smartphone Access

With remote access via smartphone, users can monitor the machine’s activity and performance in real time, easily overseeing its operation and functionality from their mobile device.



PC Access

Our machine is designed to be connected to external PCs for the implementation of additional functions, such as database management or remote assistance.



Remote Support

Online Support

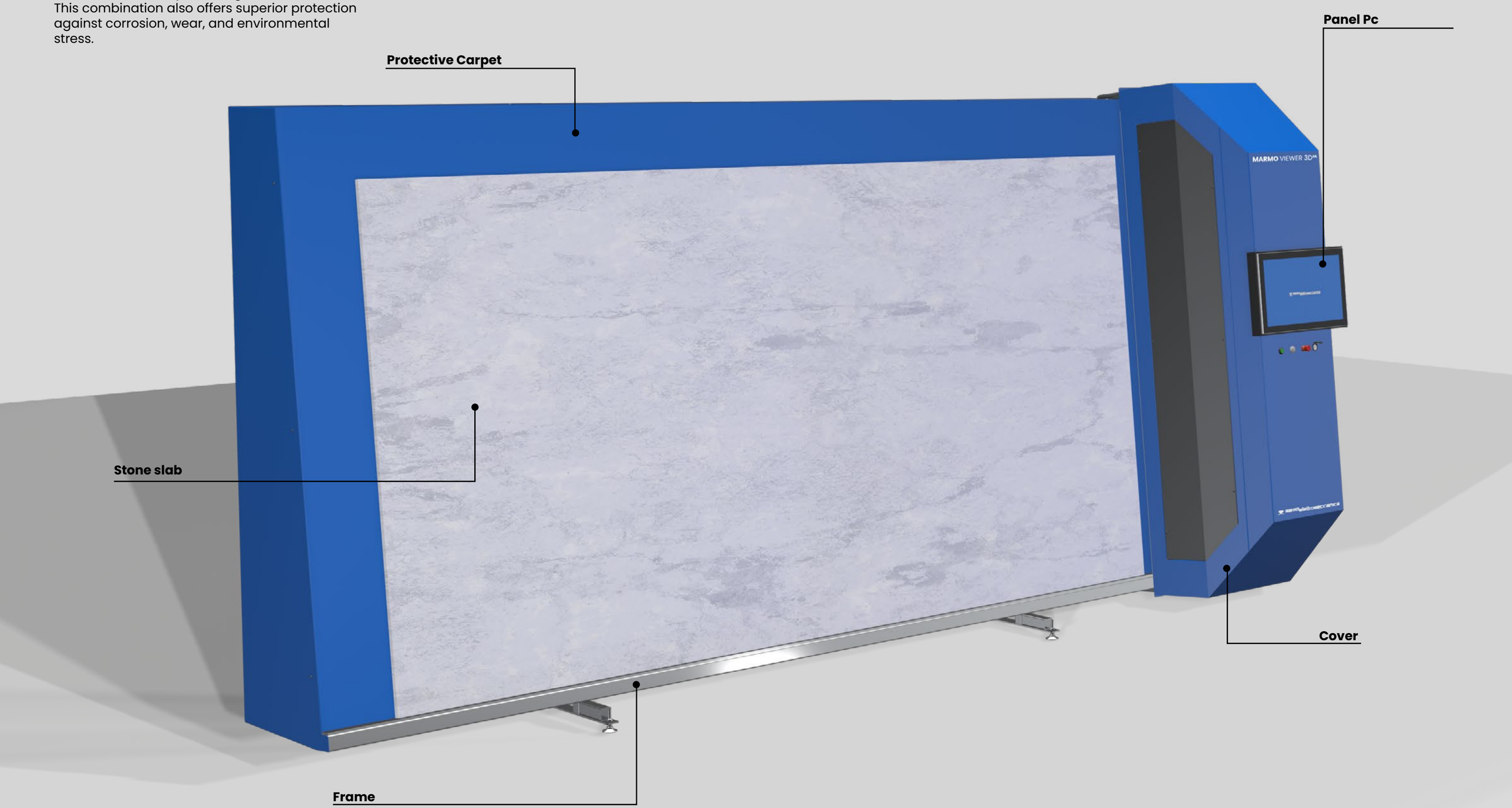
Experience superior online support for our products. Our experts provide real-time assistance, personalized recommendations, and innovative solutions for precision processing, ensuring optimal performance and maximum productivity in every operation.

Onsite Support

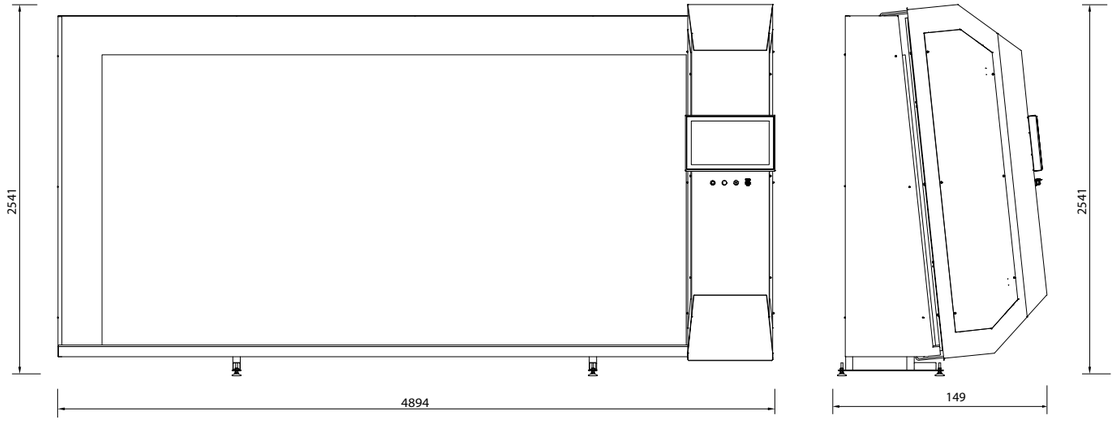
Enhance your work with our onsite support for our products. Our experts provide personalized recommendations, real-time assistance, and innovative solutions directly at your location, ensuring optimal precision and maximum productivity in every operation.

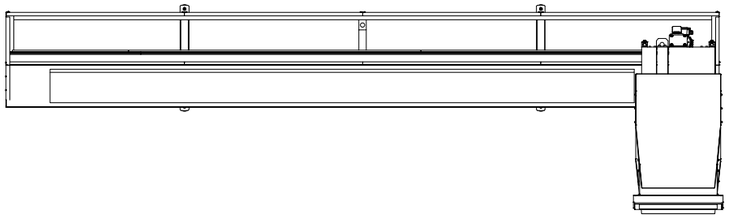
MARMO VIEWER 3D [ML]
Built to Last

The MARMO VIEWER 3D is entirely constructed from high-strength materials, selected to ensure maximum durability and long-term resistance. This combination also offers superior protection against corrosion, wear, and environmental stress.

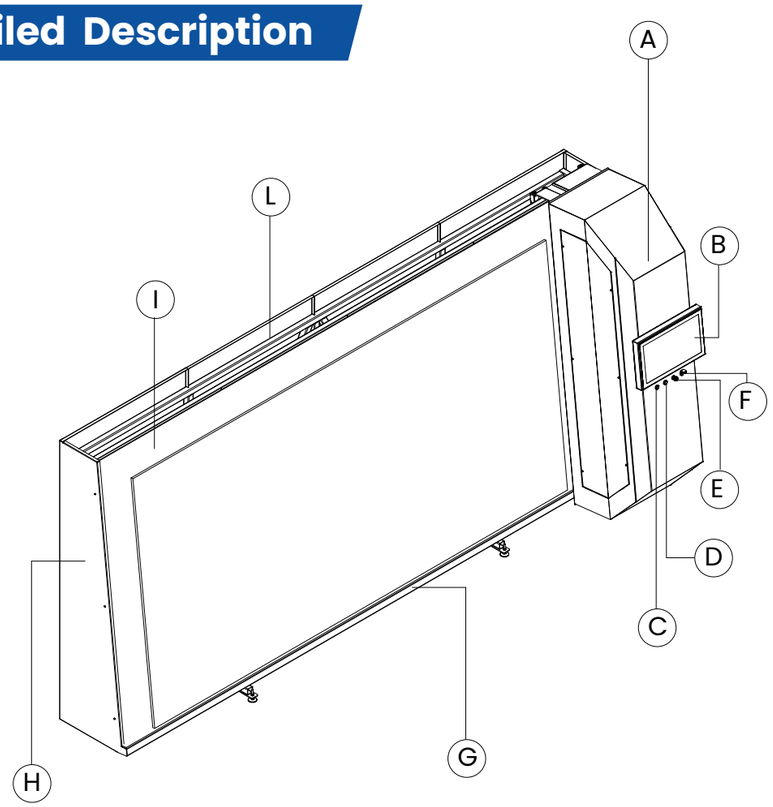


Techinical Drawing





Detailed Description



A - Scanner Block. Set of hardware and software components for scanning.

B - Panel PC 24''. Large 24" screen with Full HD resolution and multi-touch functionality.

C - Power Reset Button. Restores the machine's power supply.

D - Power Indicator Light. Signals that the machine is properly powered.

E - Emergency Stop. Button to stop the machine at any time in case of emergency.

F - USB Port. USB input for connecting external devices such as printers or storage devices.

G - Structure. Painted iron frame.

H - Cover. Protective casing.

I - Slab Support Carpet. Carpeted surface for slab support to ensure protection.

L - Substructure. Iron frame and carpentry structure.

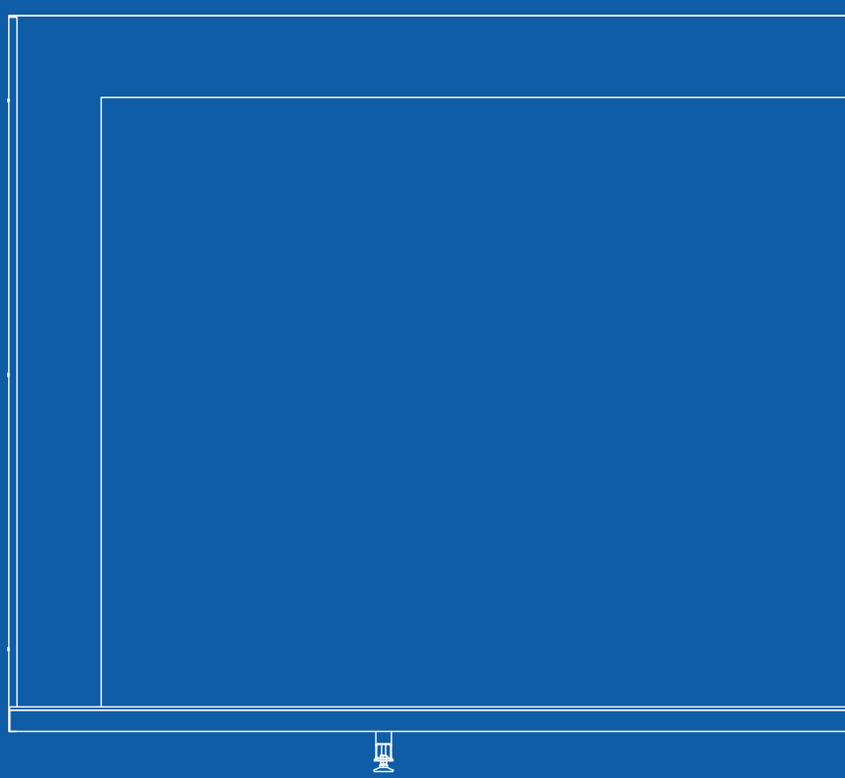
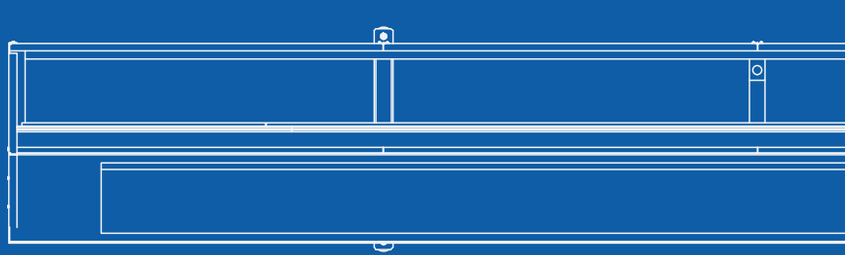
Techinical Data

MARMO VIEWER 3D[ML]

TOTAL WEIGHT	900 Kg
OVERALL DIMENSION	5000X1450Xh2550 mm
MAX SLAB SCAN DIMENSIONS	4000X2200 mm
TYPE OF CAMERAS	Linear 12K
FORWARD SPEED	Adjustable via inverter
MAX FORWARD SPEED	300 mm/s
INSTALLED POWER	0,5 Kw
VOLTAGE	220 V - 50 Hz/60 Hz

Marmoelettromeccanica

Via Flaminia km 41,400
Rignano Flaminio, RM
00068 | Italy
T +39 0761 5051

2400 Main Street
Sayreville, NJ 08872 | US
T +1 833 636 8665

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