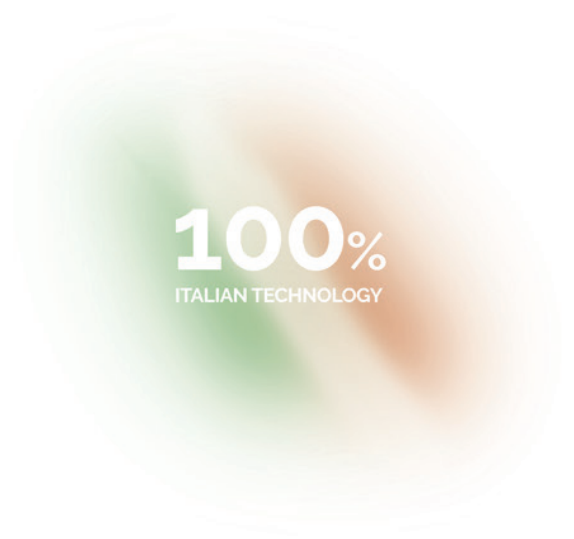


**mapascan<sup>®</sup>**

The 1<sup>st</sup> scanner in the world of stone

石材世界第一台扫描仪



**100%**  
ITALIAN TECHNOLOGY



*The 1st scanner in the world of stone*  
石材世界第一台扫描仪

# MAPASCAN

Mapascan is the first and most powerful solution able to scan stone slabs automatically from the line of production.

The system allows you to develop an accurate electronic slab inventory, perfectly integrated with web applications or any existing inventory software, using the high definition and high fidelity images.

Mapascan, adopted by small and big stone companies, can be used by the operator or in full automation linked to barcode or Rfid systems.

Mapascan是第一台也是迄今为止最强大的能够从生产线自动扫描石材大板的机器。

该系统能够帮助您建立精确的电子板材仓储明细，它采用高清晰高保真图像，可与Web应用程序或任何现有的仓储软件完美结合。

Mapascan已被广泛应用于各大小型企业，既可由其操作员直接操作也可连接至条码或无线射频识别系统实现全自动化。



# QUALITY CONTROL

## 质量控制

The great properties of Mapascan allow a very careful analysis of the scanned slab, done from the production line or from the offices, even through the Internet. You can control in real-time the production line and accurately inspect any minimal detail. Today, tomorrow, within a month or whenever it will be needed.

Mapascan拥有很强大的性能，无论是在生产线上、办公室内，甚至是通过互联网，您都能对扫描的石材大板进行精确分析。您可实时控制生产线，只要有需要，您都能随时对大板的任何微小细节进行精确检查。

**Current Scan**


Block: **124683**

0%




**Slabs in the queue (to execute)**

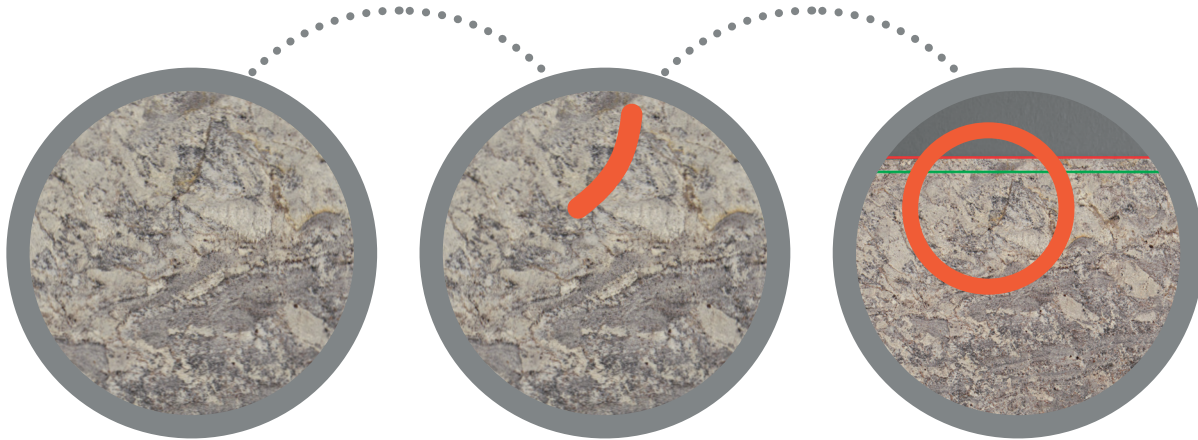
020	021	022
023	024	025
026	027	028
029	030	031
032	033	034
035	036	

**Last scanned slab**



**Recent Slabs**

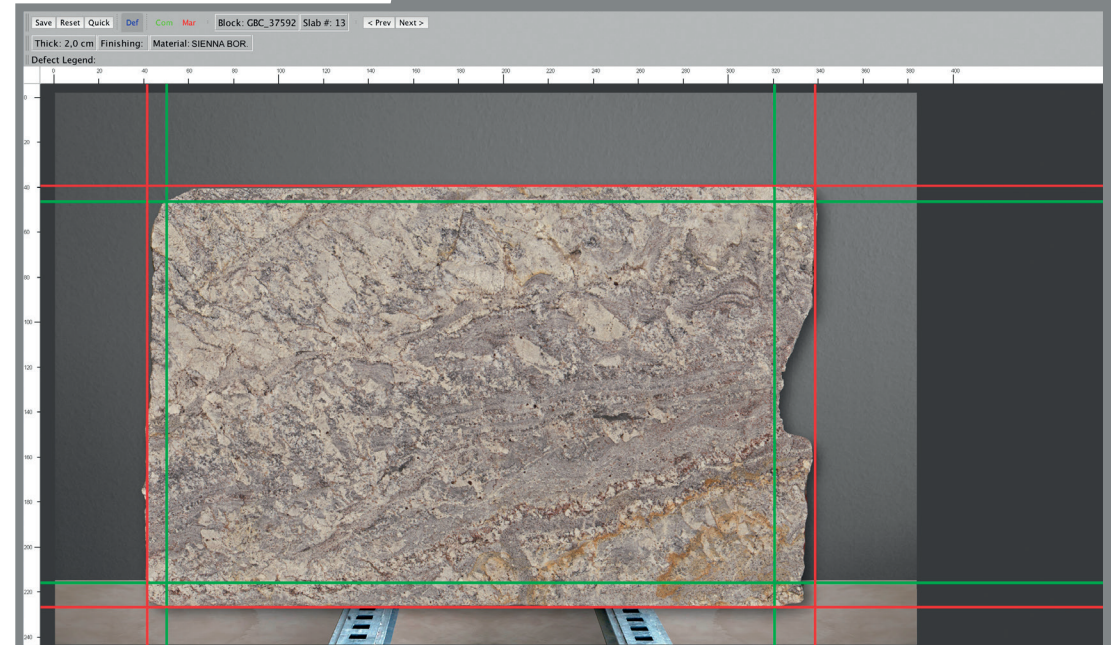
-   
Block: **124683**  
Slab: **017**  
11/02/2016  
16:36:28
-   
Block: **124683**  
Slab: **018**  
11/02/2016  
16:13:56
-   
Block: **470994**  
Slab: **002**  
11/02/2016  
15:39:01



Operator detects the defect...  
操作员问题检测

...tracks the defect...  
瑕疵追踪

Immediate quality control  
即时质量控制



# HIGH TECHNOLOGY

## 高科技

Many years of studies and investments, started on 2003, guarantee the best result possible as of today. Every component of Mapascan has been designed and created specifically for the stone business, from the LED lighting system till the optical acquiring device.

The high quality of all components and the careful choice of every detail makes Mapascan the perfect hi-tech solution.

自2003年以来，Mapascan多年的钻研和投入，为今天的优秀成果提供了有力的保障。从LED照明系统到光学采集装置，Mapascan的每一个零部件均是专门为石材而设计制造。高品质的组件及精益求精的细节把控，让Mapascan成为最佳的高科技解决方案。

mapascan

# 1

Multi language touchscreen  
触摸屏



# 2

Slab thickness sensor  
板材厚度传感器



# 3

Hardware  
硬件



# 4

Camera lens  
镜头



# HIGH RESOLUTION

## 高分辨率

Images must be according to reality.

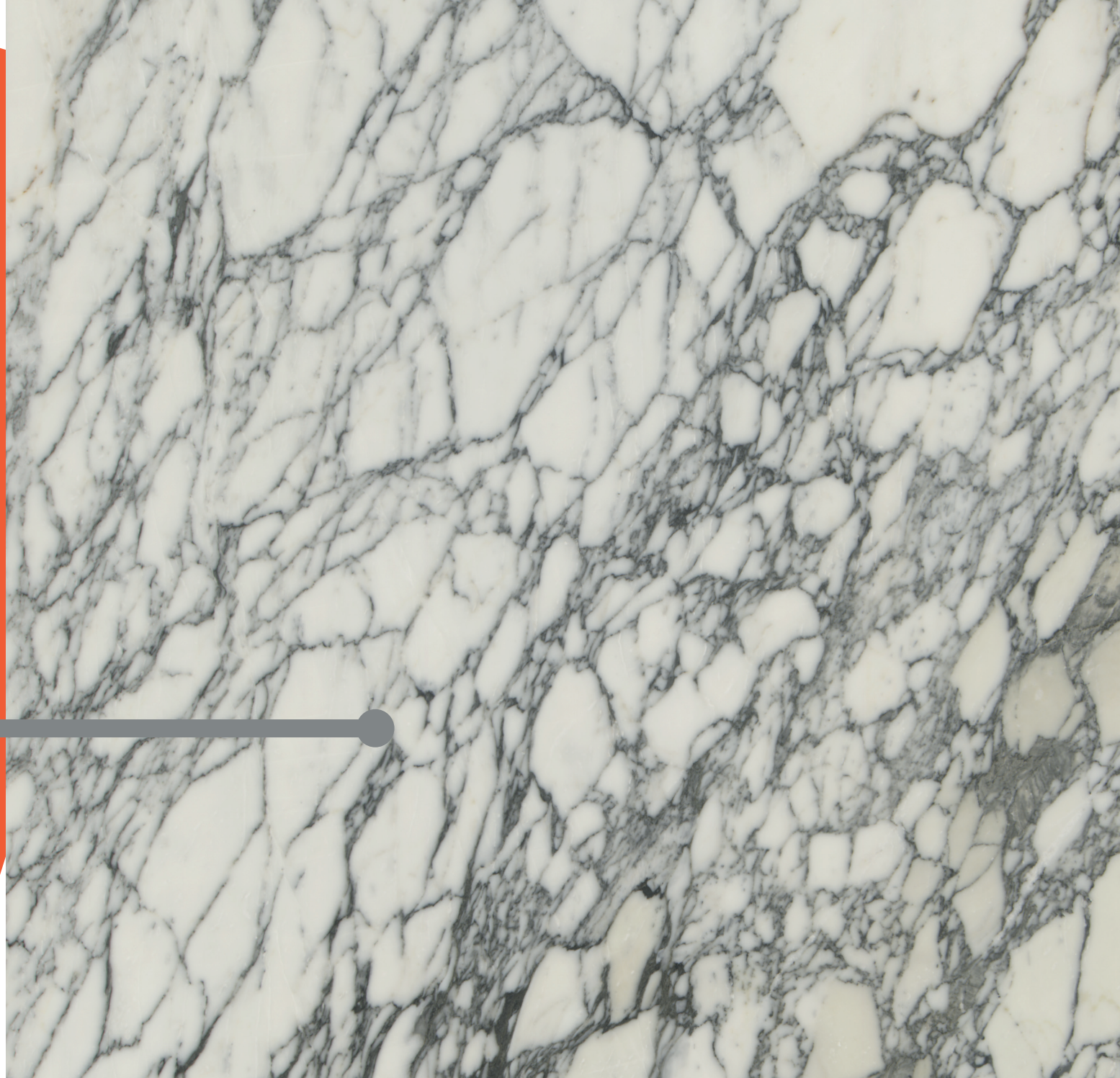
Mapascan is able to produce very high resolution scanned images, with high depth of colors (48 bit). In this way the best results can be achieved, from the brightest white to the total black.

图像必须与实物相符。

Mapascan能够扫描生成极高分辨率的图像，其颜色深度为48位。以此来确保获取最真实的大板图像，无论是最亮的白色或是黑色。



Image detail  
图像细节





# EASY AND POWERFUL

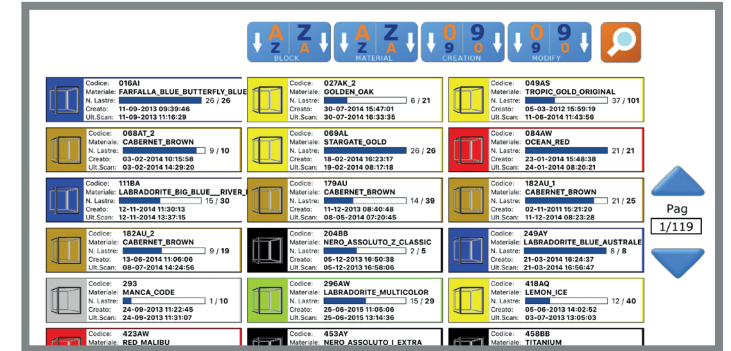
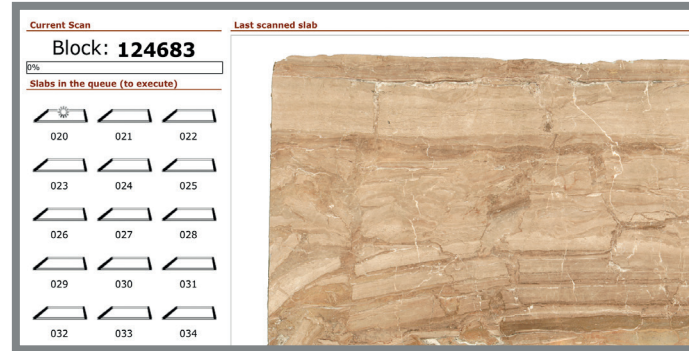
## 简单而强大

All the operations are made quickly and easily by the touchscreen user interface.

Drawing with one finger is enough to track a defect. The measurements of the slab are automatically taken out and linked to the image.

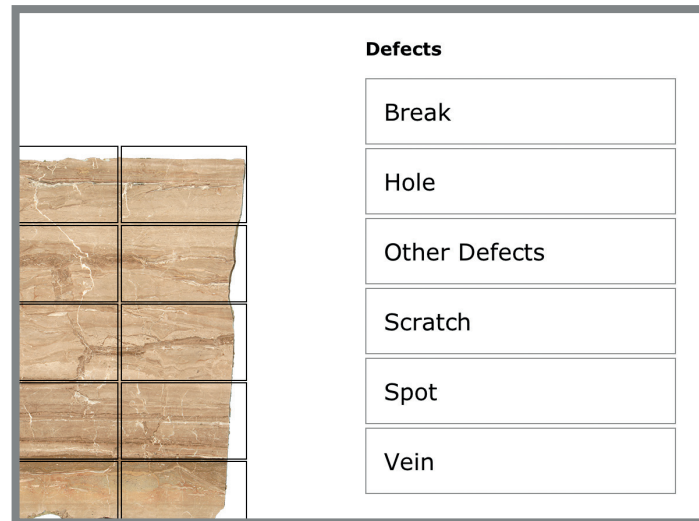
所有操作均可通过触摸屏用户界面快速、简易地进行。

只需要动用一根手指就能查出大板缺陷，测量数据会自动输出并连接至该图像。



Defect selection

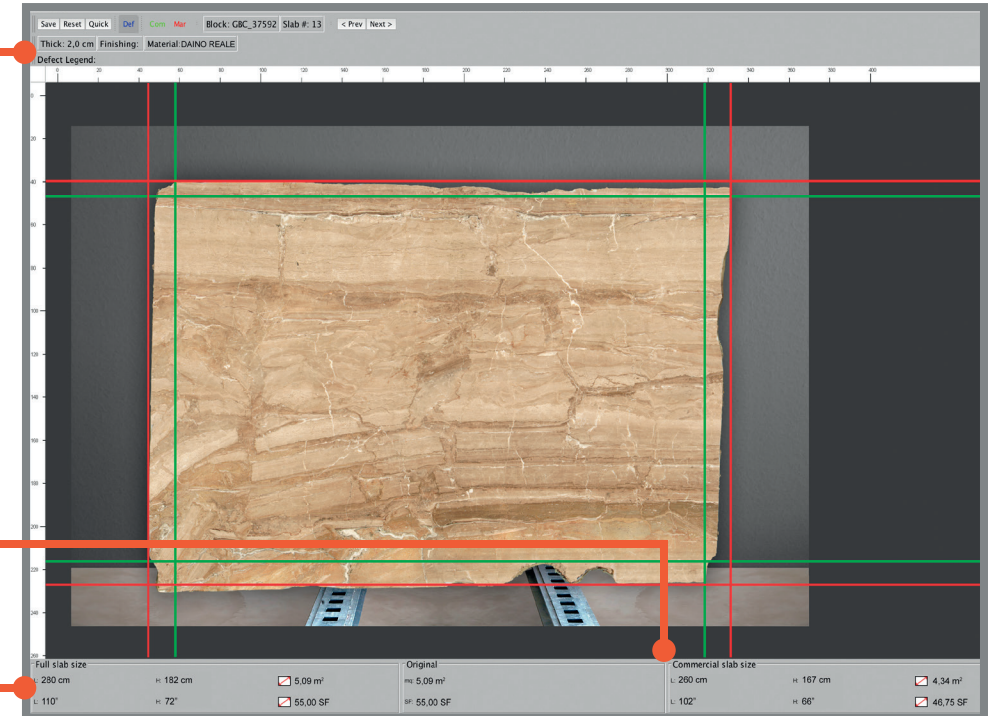
瑕疵选择



Thickness  
厚度

Commercial size  
大板扣尺尺寸

Full size slab  
大板实际尺寸



# SOFTWARE APPLICATIONS

## 软件应用

All the software built around Mapascan is able to use the data produced by the scanning process in the most dynamic way.

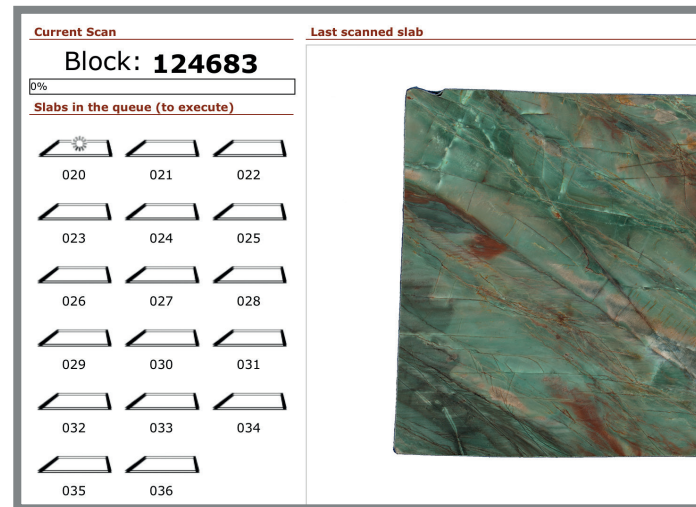
Mapastone has grown a lot supporting the clients and improving every application to reach the highest performance and fastest usage.

Frequent software updates increase the value of your Mapascan.

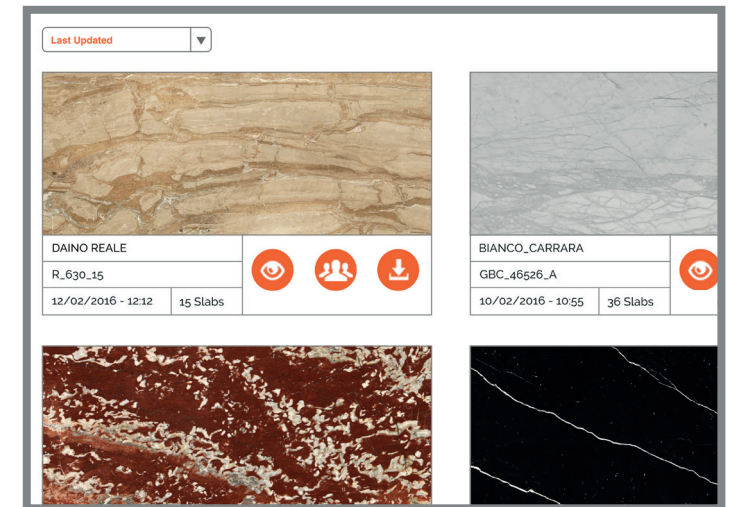
所有围绕Mapascan建立的软件均能快速运用其扫描过程中产生的数据。

Mapastone在支持客户以及提升每个应用使其达到最佳性能和最快使用率上取得了不错的成绩。

软件的时时更新提升了Mapascan的价值。

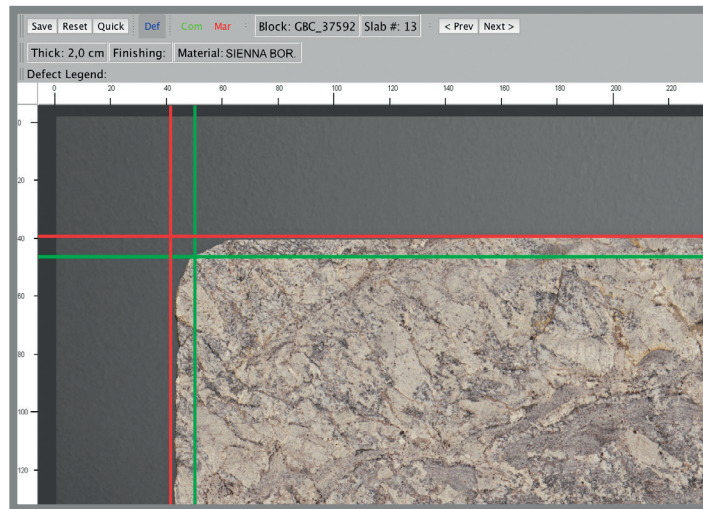
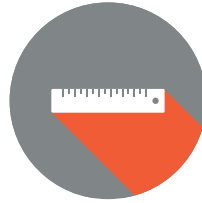


The operator interface from the touchscreen, easy and powerful.  
触摸屏操作界面，简便而强大。



The Mapascan's Cloud system to supply your scans.  
Mapascan云系统可供您的扫描。

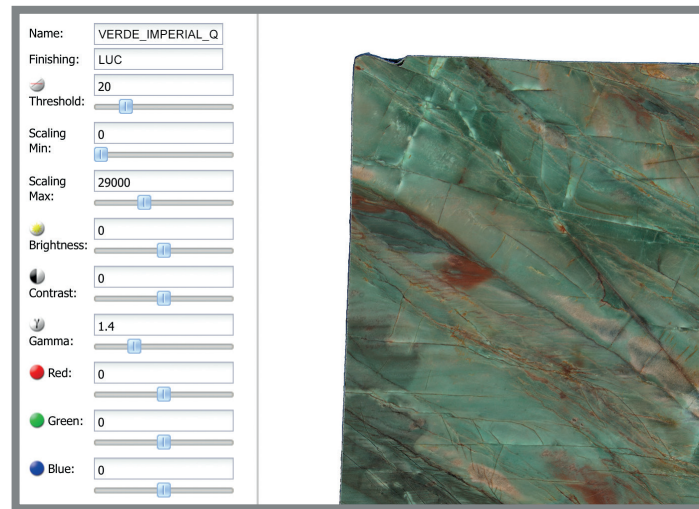
READER



Measurements and defects available for everybody.

测量值及大板问题报告可共享。

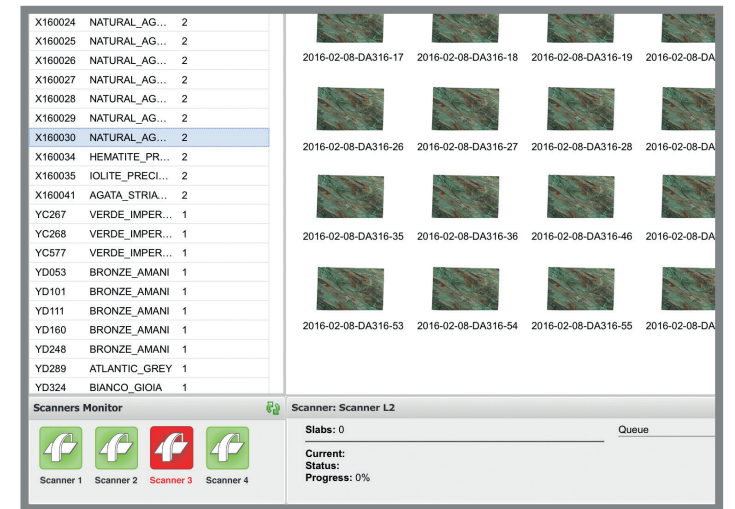
STUDIO WEB



RAW files management for excellent results.

优秀成果得益于原始文件管理。

STUDIO WEB  
enterprise



One central console to manage all your Mapascans.

一个中央控制台可操控您所有的Mapascan机器。

# SMART OUTLINER

## 智能轮廓

The perfect scanning of a slab is just the beginning of a process with multiple applications.

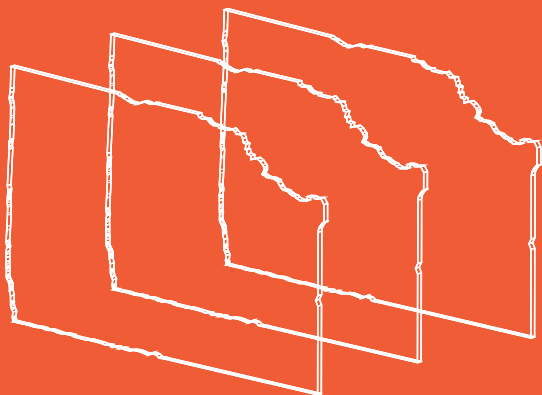
The RAW image is perfectly outlined using a smart algorithm developed with the most advanced techniques of artificial vision.

The accurate dimensions of each slab are obtained by the perfect trimming of the border from the background.

对板材的完美扫描仅仅是处理多个应用程序的开始。

原始图像将智能算法和最先进人工视觉技术相结合，展示出大板的完美轮廓。

每片大板的精确尺寸是从背景中对大板边沿精准修边得来的。



The outlined image can be enhanced using a custom background set up according to the user needs.

轮廓图像可根据用户需求通过自定义背景来增强效果。

Raw image

原始图像



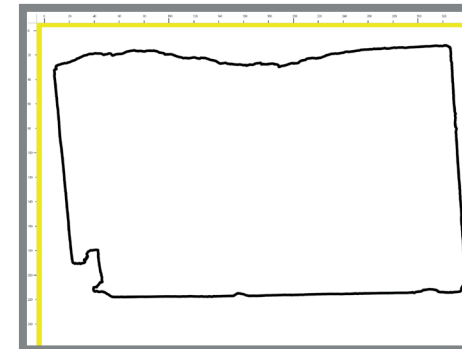
Outlined image

轮廓图像



Outline of the slab + rulers

板材轮廓+标尺





Starting from the RAW files Mapascan can keep all datas of the scanned slabs for further reprocessing.

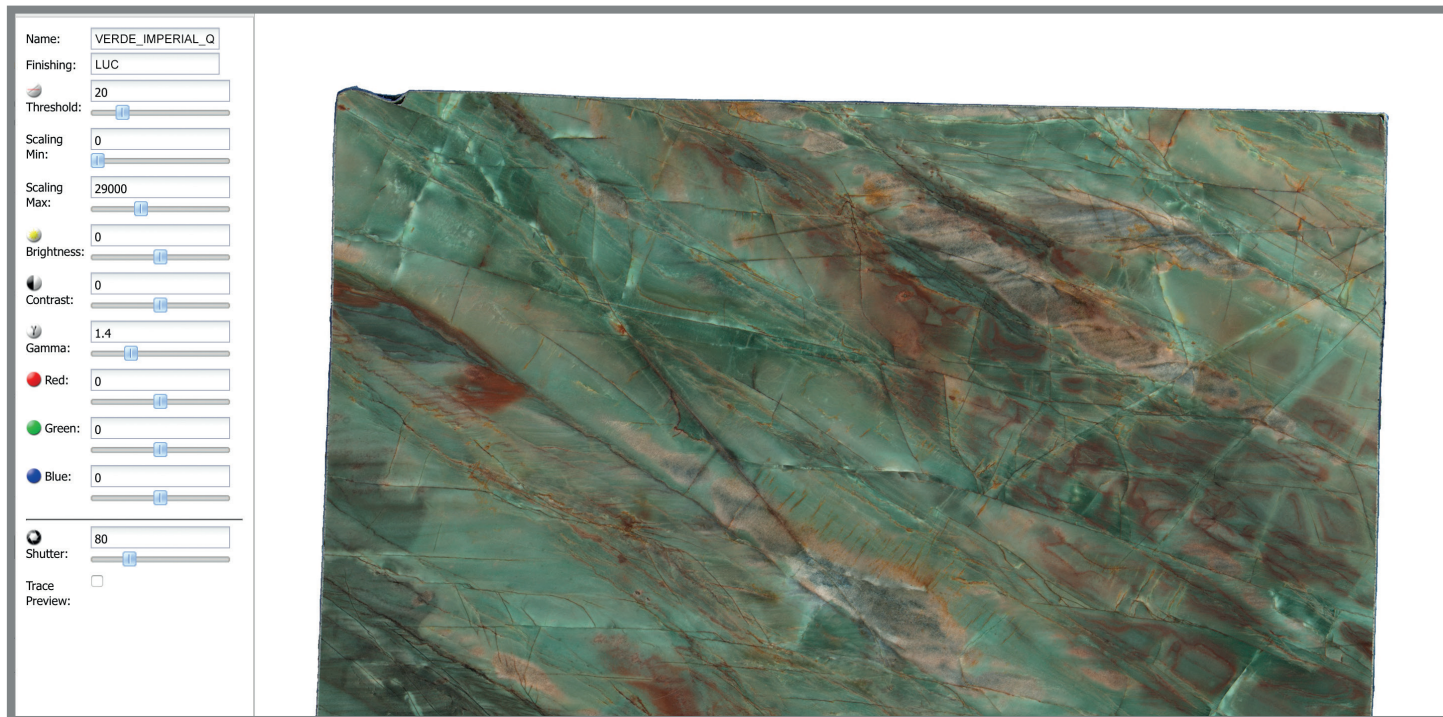
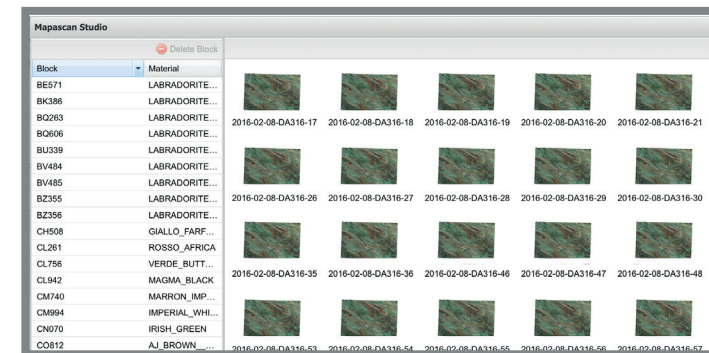
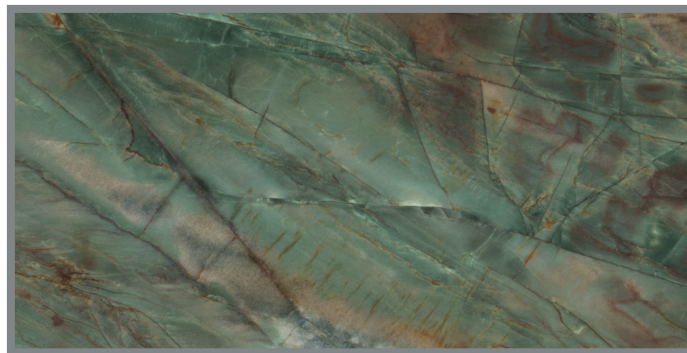
In this way the image can have any desired tone expressing all the power of 48-bit, keeping the original colors of each kind of marble, granite or stone.

The settings of any material are fixed until any eventual further modification.

从RAW文件开始，Mapascan可保留扫描板材的所有数据用于进一步的再处理。

如此一来，图像具有很强的展示能力，能够还原各种大理石、花岗岩或其它石材的本来颜色。

每种材料的设置是固定的，除非作进一步修改。





This software is dedicated to clients who have more than one Mapascan.

Mapascan Studio Web Enterprise is able to control more installations from one central console.

The material tune up is done only once for all machines. In this way all the results coming up from each scanner are automatically lined up producing reliable images from all the scanners in use.

该软件适用于拥有多台Mapascan的客户。


Mapascan网络工作室企业能够从一个中央控制台对多项安装进行控制。

所有机器仅进行一次材料调整。这样一来，所有使用中的互联扫描仪均会自动列队生成可靠的图像。

Filter: block filter

Block	Material	Scanner
X160002	SMOKY_QUAR...	1
X160003	DESERT_JASP...	1
X160004	SMOKY_QUAR...	1
X160005	CRYSTAL_AGA...	1
X160006	RETRO_BLAC...	1
X160007	NATURAL_AG...	2
X160008	NATURAL_AG...	2
X160009	NATURAL_AG...	1
X160010	CRYSTAL_AGA...	1

X160022	BLUE_AG...	2	2016-02-08-DA316-53	2016-02-08-DA316-54	2016-02-08-DA316-55	2016-02-08-DA316-56	2016-02-08-DA316-57	2016-02-08-DA316-58	2016-02-08-DA316-59	
X160023	NATURAL_AG...	2								
X160024	NATURAL_AG...	2	2016-02-08-DA316-17	2016-02-08-DA316-18	2016-02-08-DA316-19	2016-02-08-DA316-20	2016-02-08-DA316-21	2016-02-08-DA316-22	2016-02-08-DA316-23	
X160025	NATURAL_AG...	2								
X160026	NATURAL_AG...	2	2016-02-08-DA316-26	2016-02-08-DA316-27	2016-02-08-DA316-28	2016-02-08-DA316-29	2016-02-08-DA316-30	2016-02-08-DA316-31	2016-02-08-DA316-32	
X160027	NATURAL_AG...	2								
X160028	NATURAL_AG...	2	2016-02-08-DA316-35	2016-02-08-DA316-36	2016-02-08-DA316-46	2016-02-08-DA316-47	2016-02-08-DA316-48	2016-02-08-DA316-49	2016-02-08-DA316-50	
X160029	NATURAL_AG...	2								
X160030	NATURAL_AG...	2	2016-02-08-DA316-53	2016-02-08-DA316-54	2016-02-08-DA316-55	2016-02-08-DA316-56	2016-02-08-DA316-57	2016-02-08-DA316-58	2016-02-08-DA316-59	
X160034	HEMATITE_PR...	2								
X160035	IOLITE_PRECI...	2								
X160041	AGATA_STRIA...	2								
YC267	VERDE_IMPER...	1								
YC268	VERDE_IMPER...	1								
YC577	VERDE_IMPER...	1								
YD053	BRONZE_AMANI	1								
YD101	BRONZE_AMANI	1								
YD111	BRONZE_AMANI	1								
YD160	BRONZE_AMANI	1								
YD248	BRONZE_AMANI	1								
YD289	ATLANTIC_GREY	1								
YD324	BIANCO_GIOIA	1								

**Scanners Monitor**  Scanner: Scanner L2

Slabs: 0 Queue Shutdown

Current Status: Progress: 0%

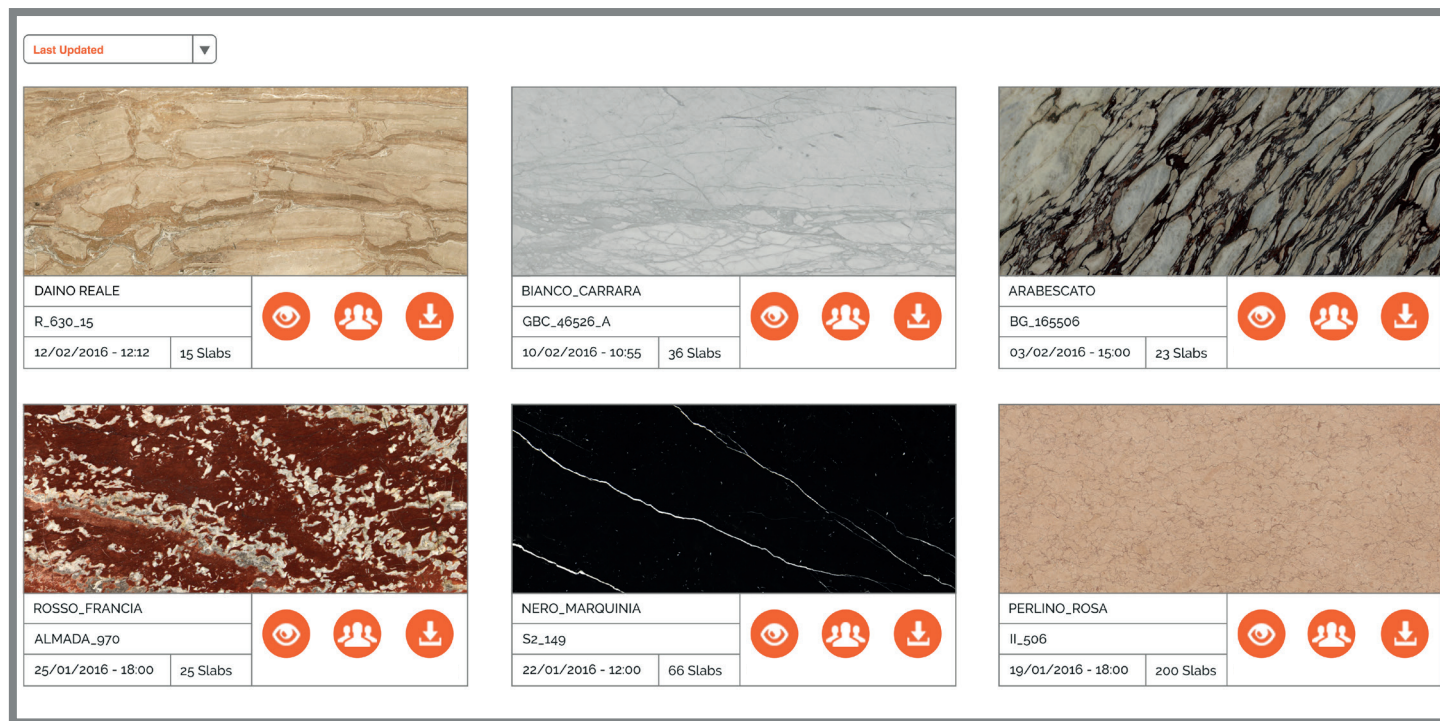
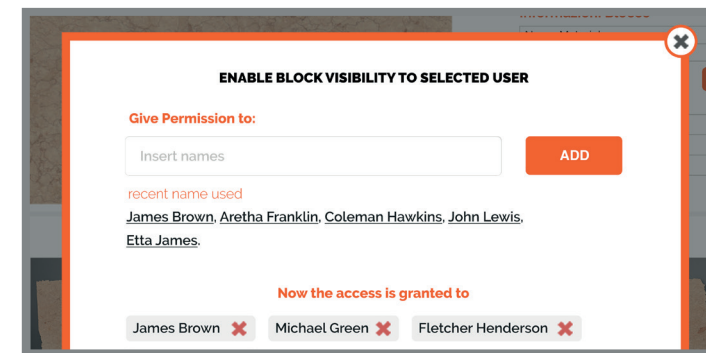
Scanner 1 Scanner 2 **Scanner 3** Scanner 4





Looking at scanned slabs through the Internet becomes secured and quick by using the Mapascan Box service. The client can set up protected clouds for his final users who will be able to access directly to their images. Mapascan can publish on-line each scanned slab in real time, in the best reliable and fastest way.

Mapascan邮箱服务，让您能安全快捷浏览所扫描板材图像。客户可为其最终用户设置保护云，以便这些客户能够直接访问其图像。Mapascan能够以最可靠最快捷的方式，通过网络实时发布扫描板材数据。



# TOTAL INTEGRATION

## 全面集成

Mapascan is integrated with any tracking system for the inventory management, as barcode or Rfid. In this way the Mapascan management is fully automated.

Every scan session produces a batch of images and meta-datas, the measurements and the vectorial outline.

These informations can be directly sent to any existing ERP system, your web site, your private cloud or read by any device on your LAN.

Mapascan与库存管理的追踪系统相结合，形成条码或射频识别。从而使Mapascan管理实现全自动化。

每次扫描会话可产生一批图像、元数据、测量以及矢量轮廓。

这些信息可以直接发送到任何现有的ERP系统、您的网站、您的私人云客户端，或者在您局域网中的任何设备上阅读。





# CUSTOMER CARE

## 客户服务

Customer care and software updates are guaranteed in the fastest and secure way through remote access.

Our specialized IT Engineers are able to access to any Mapascan installation and complete the maintenance jobs without interrupting the slab production process.

In the rare case of a hardware failure, Mapastone can guarantee the supply of any spare part.

远程访问确保了客户服务和软件更新的快速、安全性。

我司专业IT工程师能够在不影响板材生产运作情况下，为Mapascan机器进行安装或保养。

若出现少有的硬件故障，Mapstone承诺供应其任意零部件。



# TECHNICAL DATA

## 技术数据



Width - 宽度	50 cm
Height - 高度	180 cm
Length- 长度	360 cm
Weight - 重量	400 kg
Power supply - 电源	100-240 V
Power required - 总功率	1 KW
Lightning power - 防雷电源	50 K lumen
User interface - 用户界面	Touchscreen - 触摸屏
Touchscreen dimensions for the standard version - 标准版触摸屏尺寸	17"
LAN interface - 局域网接口	2 x Gigabit Ethernet 10/100/1000 Mbps
Direct data export - 直接数据导出	USB mass storage - USB海量存储
Images format - 图像格式	Anyone (JPG preferred) - 任意 (JPG最佳)
Maximum resolution - 最大分辨率	10.240 pixel - 10.240像素
Typical image dimension (slab of 3 meters length) - 典型的图像尺寸(3米长板材)	150 Megapixel - 150兆像素
Scan resolution - 扫描分辨率	~ 100 dpi x 100 dpi
Compatible operating systems - 兼容的操作系统	Anyone - 任意
Dimension of the encoder block 编码块尺寸	Variable based upon the roller-bench already installed in the plant. 可变化，基于安装于工厂内的标尺工作台。

Mapastone s.r.l. reserves the right to improve the product's characteristics and design, even during the execution of contracts. Therefore every feature supplied has to be regarded as an indicative and approximate detail.

Mapastone s.r.l.保留改进产品特性和设计的权利，即使在履行合同过程中。因此广告册中所提及的数据和说明应被视为指示性。



Science is not real progress except when a new truth finds an environment ready to receive it.  
当人类准备好接受真理时，科学才将获得真正的进步。

*(Pëtr Alekseevič Kropotkin)*



Mapastone s.r.l.  
54100 Massa (MS)  
Italy

+39 0585 026876

[info@mapastone.com](mailto:info@mapastone.com)  
[www.mapastone.com](http://www.mapastone.com)