

Taglio

taglio®

/ software house

**SLABVISION
BY TAGLIO**



THE SYSTEM FOR AN
AUTOMATIC HIGHLY DEFINITE SCANNING
OF MARBLE, STONE AND GRANITE

SLABVISION

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H

WIDTH 700 mm / 2,3 ft

HEIGHT 1100 mm / 3,6 ft from the roller conveyor

LENGHT 3000 mm / 9,8 ft adjustable depending on existing roller conveyor

SLABVISION H
by Taglio



**WIDTH**

2500 mm / 8,2 ft i.e. min 2000 mm / 6,6 ft without touch panel arm

HEIGHT

3100 mm / 10,2 ft Y working area 2500 mm / 8,2 ft

LENGHT

6200 mm / 20,4 ft i.e. min 5700 + 500 mm / 18,7 + 1,6 ft electric panel opening
X working area 4000 mm / 13,1 ft

FRAMEWORK

SLABVISION V

LAYOUT	Vertical (SlabVision V)
WIDTH (Z)	2,5 m / 8,2 ft (i.e. min 2 m / 6,6 ft without touch panel arm)
HEIGHT (Y)	3,1 m / 10,2 ft
	Y working area 2,2 m / 7,2 ft
LENGTH (X)	6,2 m / 20,4 ft (i.e. min 5,7 m + 0,5 m / 18,7 ft + 1,6 ft electric panel opening)
	X working area 4 m / 13,1 ft - thought for JUMBO slab
WEIGHT	1800 kg / 4000 lb
MAX SLAB THICKNESS	90 mm / 3,54 in
MAX SUPPORTED WEIGHT	1000 kg / 2205 lb (i.e. 250 kg/m - 172 lb/ft approx.)
POWER SUPPLY	110 V / 220 V
POWER REQUIRED	1,5 KW / 6.5 A
WORKBENCH BACKGROUND	Green (White available on demand)
SCANNING TIME	30 sec. (20 sec. scanning + 10 sec. repositioning)
MARKING	CE Marking - UL/CSA compliant

SLABVISION H

	Horizontal (installed on existing roller conveyor after polishing line)
	0,7 m / 2,3 ft
	1,1 m / 3,6 ft (from the roller conveyor)
	3 m / 9,8 ft (adjustable depending on exiting roller conveyor)
	250 kg / 550 lb
	90 mm / 3,54 in
	110 V / 220 V
	1,5 KW / 6.5 A
	Manual contrast bar with 3 colors (black, white, and green)
	Depending on polishing line feed rate
	CE Marking - UL/CSA compliant

CONTROL WORKSTATION

HMI INTERFACE	Full Touch Interface System (with or without Mouse and Keyboard)
SCREEN	24" wide (16:9) - 1920 x 1080 LED backlight TFT LCD
EXTERNAL COMPUTER	Dedicated case
CPU TYPE	Industrial case with cabling and frame grabber
PROCESSOR	Intel core i5 - 5350U 3,4 Ghz - 4 cores - 4 threads
MEMORY	8GB DDR3 SODIMM module
STORAGE	128 GB SSD
INTERFACE	2 x Giga Ethernet; 2 x USB 3.0 (IP65 Protected); 2 x USB 2.0
OPERATING SYSTEM	Windows 10 64 bit
PROTECTION	Ip40

	Full Touch Interface System (with or without Mouse and Keyboard)
	24" wide (16:9) - 1920 x 1080 LED backlight TFT LCD
	Dedicated case
	Industrial case with cabling and frame grabber
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	2 x Giga Ethernet; 2 x USB 3.0 (IP65 Protected); 2 x USB 2.0
	Windows 10 64 bit
	Ip40

VISION SYSTEM

SENSORS	Color 3 CCD or CMOS bit Resolution, 12 Bit Output
RESOLUTION	4096 Pixel (8192 Pixel available on demand)
PROTECTION	IP 40 (case: IP 65)
OPERATION TEMPERATURE	-10 °C to 55 °C
LIGHT SYSTEM	Customized Led Illuminator System

	Color 3 CCD or CMOS bit Resolution, 12 Bit Output
	4096 Pixel (8192 Pixel available on demand)
	IP 40 (case: IP 65)
	-10 °C to 55 °C
	Customized Led Illuminator System

SLABVISION

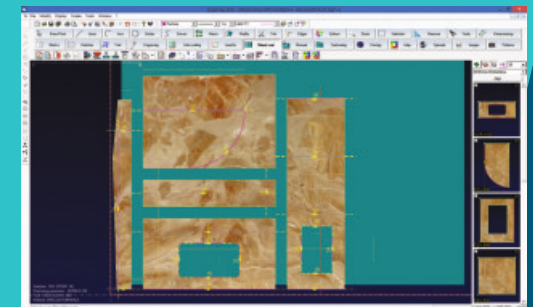
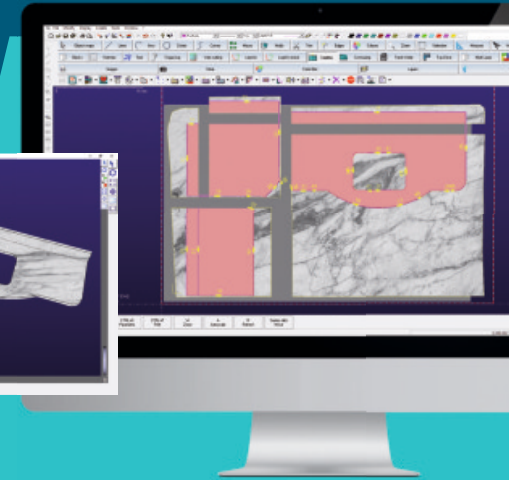
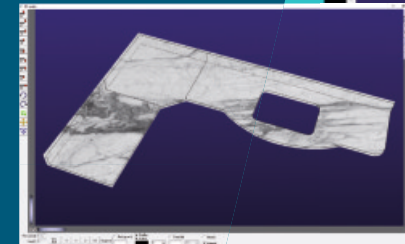
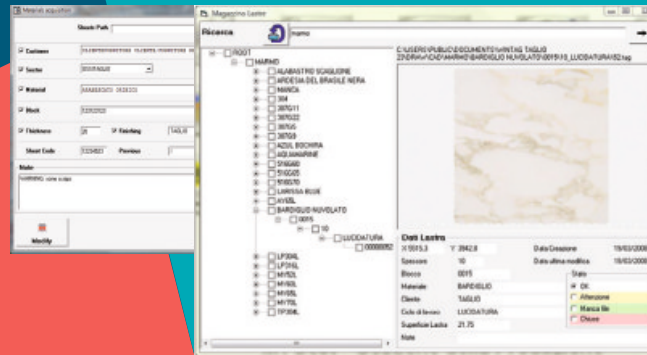
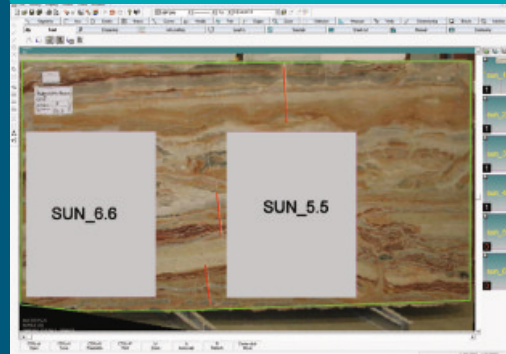
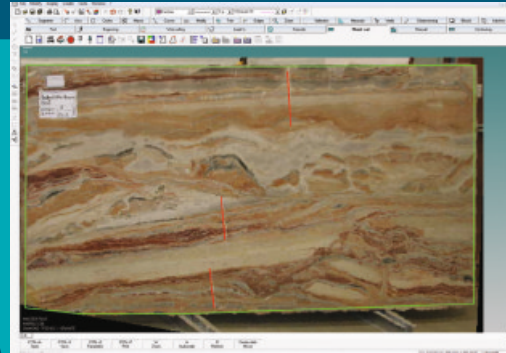
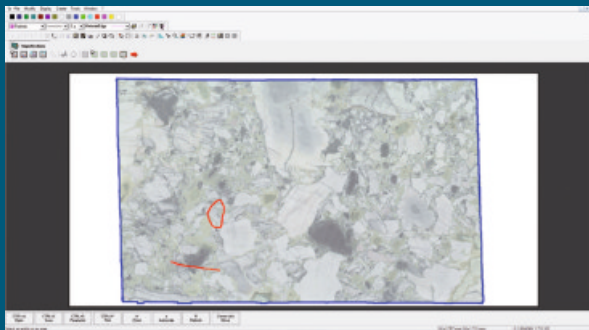
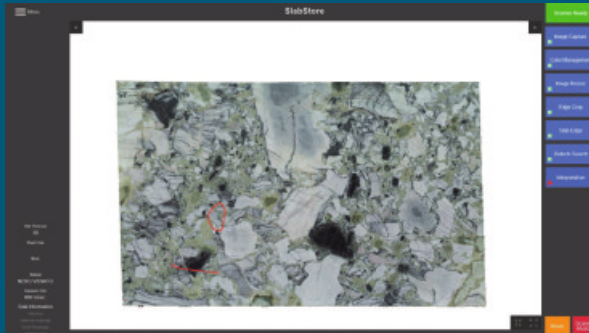
SOFTWARE INCLUDED IN SLABVISION:
HMI: HUMAN MACHINE INTERFACE

SLABSTORE



COMPLEMENTARY SOFTWARE
FOR TECHNICAL OFFICE

LASTRA



SOLUTIONS COMPARISON

FEATURES

TECHNOLOGY

DIGITIZING TECHNOLOGY

LIGHTING SYSTEM

LIGHTING CONDITIONS IN THE SURROUNDINGS

SOFTWARE

DIGITAL SLAB INVENTORY

PC FOR PHOTO DISPLAY AND CODING

High resolution industrial linear camera + lighting system

Hardware controlled lighting system

Not affected

Included

Included

Included

DIMENSIONS

SIZE

POSITIONING

11.4 sm / 122.7 sf

Against the wall

QUALITY

RENDERING

PRECISION

Real colours of the material

High quality, high resolution photos for automatic border detection

USABILITY

AUTOMATICITY

RELATIONSHIP WITH CUTTING MACHINERY

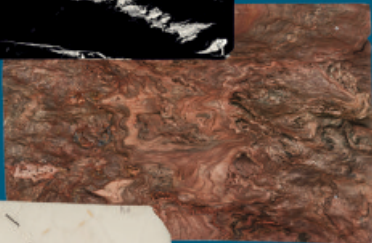
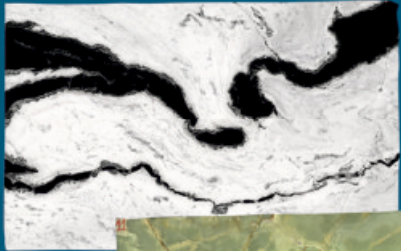
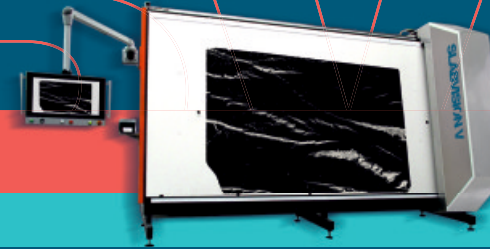
MULTI SLAB

Automatic system to digitize the slabs

Async

Yes

SLABVISION V



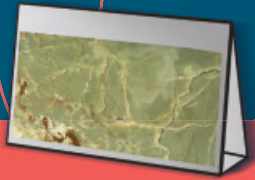
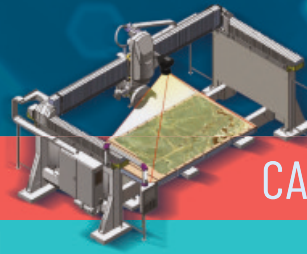


PHOTO STATION



CAMERA OVER THE CUTTING MACHINERY

Standard camera (e.g. Canon REBEL 18-55IS II KIT or similar)
Unavailable. The customer must provide a "controlled environment" with enough space where reflection, hot spots, and any other source of interference do not compromise the camera; see also the photo booth proposed by STC
Could be affected
Included
Available on demand
Not included

Standard camera (e.g. Canon REBEL 18-55IS II KIT or similar)
Unavailable. Depends on the cutting machinery location.
Affected
Included
Not included
Not included

16 sm / 172.2 sf
Entire room

Irrelevant
Over the cutting machinery

Similar colours of the material
Medium quality, medium resolution photos for semi-automatic or manual border detection

Approximate colours of the material
Low quality, low resolution photos. Manual border detection

Semi-automatic and manual system to digitize the slabs
Async
Yes

Manual system to digitize the slabs
The cutting workbench is busy during rendering phase
No

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TAGLIO SOFTWARE HOUSE

is a leading company established in 1982, whose products are based on the full in-house development of its creativity and programming, according to the principle of FULL IN-HOUSE CREATIVITY, guaranteeing in this way the total and lasting intellectual and operational property of the solutions provided to its customers.

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