

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



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

LAYOUT
WIDTH (Z)
HEIGHT (Y)
LENGHT (X)
WEIGHT
MAX SLAB THICKNESS
MAX SUPPORTED WEIGHT
POWER SUPPLY
POWER REQUIRED
WORKBENCH BACKGROUND
SCANNING TIME
MARKING

SLABVISION V

Vertical (SlabVision V)
2,5 m / 8,2 ft (i.e. min 2 m / 6,6 ft without touch panel arm)
3,1 m / 10,2 ft
Y working area 2,2 m / 7,2 ft
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
1800 kg / 3968 pounds
1000 kg / 2205 pounds (i.e. 250 kg/m - 172 lbs/ft approx.)
110 V / 220 V
1,5 KW / 6.5 A
Green (White available on demand)
30 sec. (20 sec. scanning + 10 sec. repositioning)
CE Marking - UL/SCA 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 rolley conveyor)
150 Kg / 330 pounds
90 mm / 3,54 inches
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
SCREEN
EXTERNAL COMPUTER
CPU TYPE
PROCESSOR
MEMORY
STORAGE
INTERFACE
OPERATING SYSTEM
PROTECTION

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
Intel core i5 - 5350U 3,4 Ghz - 4 cores - 4 threads
8GB DDR3 SODIMM module
128 GB SSD
2 x Giga Ethernet; 2 x USB 3.0 (IP65 Protected) ; 2 x USB 2.0
Windows 10 64 bit
Ip40

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VISION SYSTEM

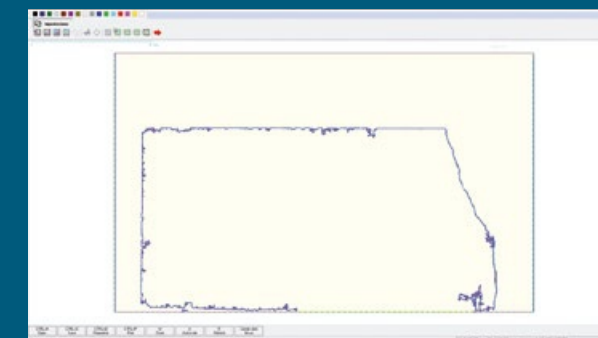
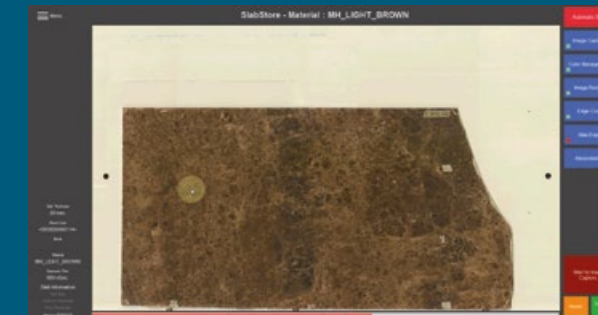
SENSORS
RESOLUTION
PROTECTION
OPERATION TEMPERATURE
LIGHT SYSTEM

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 65 °C
Customized Led Illuminator System

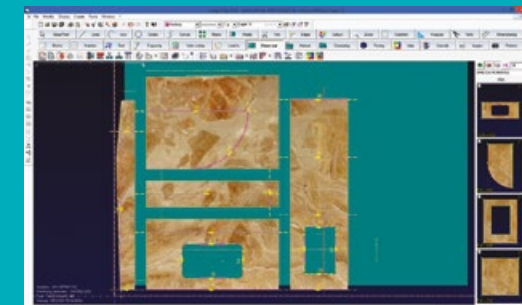
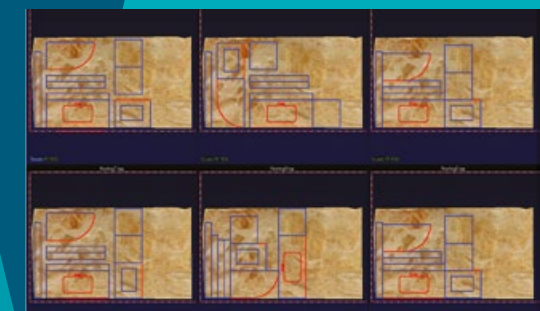
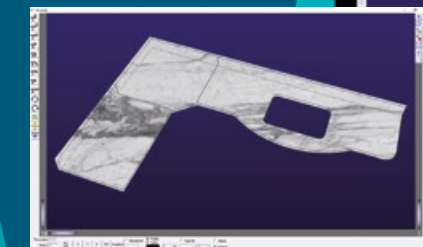
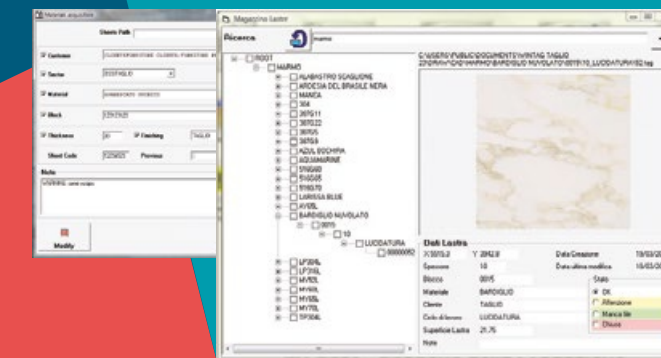
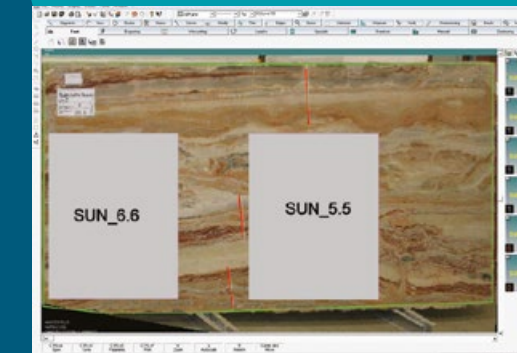
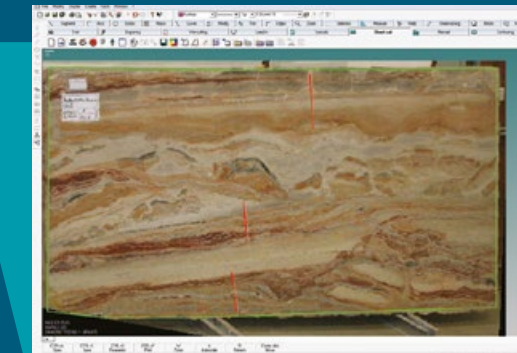
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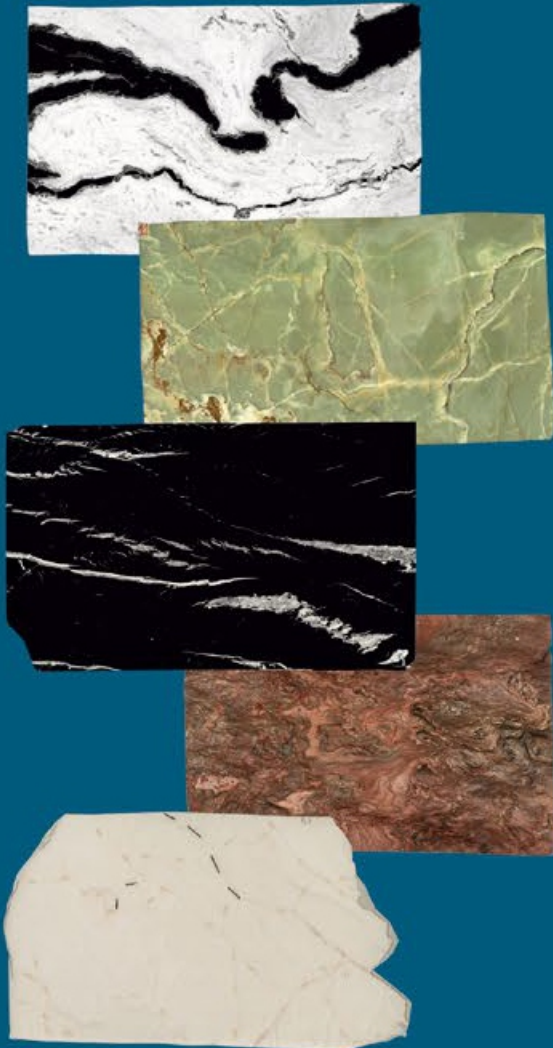
SOFTWARE INCLUDED IN SLABVISION:
HMI: HUMAN MACHINE INTERFACE



COMPLEMENTARY SOFTWARE
FOR TECHNICAL OFFICE



SOLUTIONS COMPARISON



FEATURES

TECHNOLOGY

DIGITIZING TECHNOLOGY
LIGHTING SYSTEM
LIGHTING CONDITIONS IN THE SURROUNDINGS
SOFTWARE
DIGITAL SLAB INVENTORY
PC FOR PHOTO DISPLAY AND CODING

DIMENSIONS

SIZE
POSITIONING

QUALITY

RENDERING
PRECISION

USABILITY

AUTOMATICITY
RELATIONSHIP WITH CUTTING MACHINERY
MULTI SLAB



SCANNER

High resolution industrial linear camera + lighting system
Hardware controlled lighting system
Not affected
Included
Included
Included

11.4 sm / 122.7 sf
Against the wall

Real colours of the material
High quality, high resolution photos for automatic border detection

Automatic system to digitize the slabs
Async
Yes



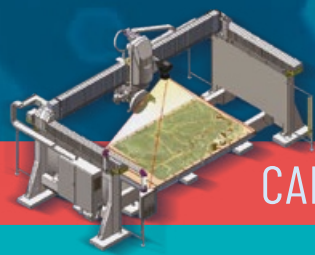
PHOTO STATION

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

16 sm / 172.2 sf
Entire room

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

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



CAMERA OVER THE CUTTING MACHINERY

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

Irrelevant
Over the cutting machinery

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

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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