FALCON

High-definition stone slab scanner



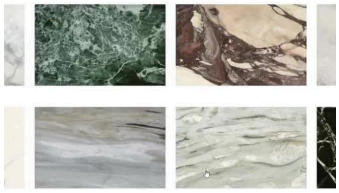
Falcon, factory machine shown in Next Level colors

PRODUCT OVERVIEW

Falcon turns each slab into a true-color digital image at 1:1 scale. It scans the slab, calculates its size and sends image and size to your inventory, so customers see the real slab, designers lay out vein-matched parts on it and the shop finds every production record again.



LED line light, scanning



Slab image library

64 MP	141¾ × 86⅝ in	≤ 0.04 in	20 ft/min
Slab image, 96 dpi	Scanning area (3,600 × 2,200 mm)	Size accuracy (≤ 1 mm)	Scanning speed (6 m/min)

KEY SPECIFICATIONS

Camera	Color 3CCD line-scan, custom lens
Resolution	96 dpi
Size measuring	Automatic, 1:1 calibrated
Color	98.7 % true color (factory statement)
Software	Inventory, VR design, vein matching
Capture	Continuous, across the full scanning area
Workshop	Resists moisture, oil and dust (factory statement)

SLABS 15–30 MM THICK

The factory specification covers slabs from ⅝ to 1⅛ in (15–30 mm) thick. Ask us before scanning other material.

IDEAL APPLICATIONS

- A digital slab inventory with true-color images and measured sizes.
- Showing customers their actual slab before it is cut.
- Vein-matched cutting layouts on the scanned image.
- Kitchen visualization with the VR design software.

INCLUDED CONFIGURATION

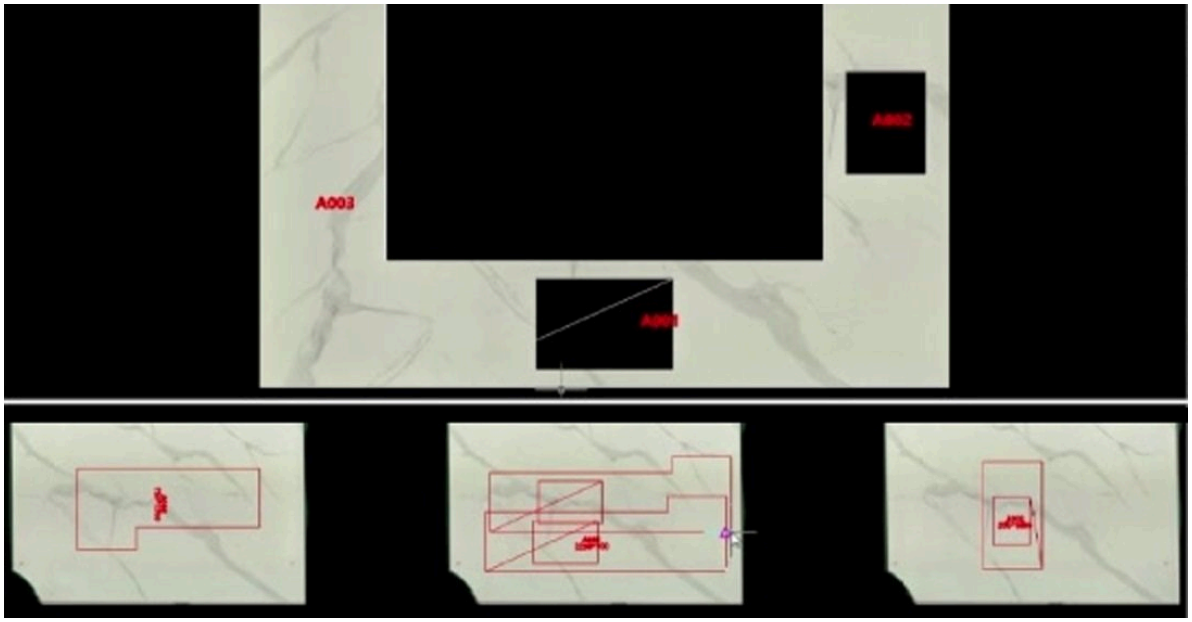
- Scanning frame with the travelling scan column, camera and LED line light.
- Workstation with industrial control computer.
- Software package: online inventory management, VR design and vein-matching toolpath design.
- Image query system and mobile dashboard.

BEFORE YOU ORDER

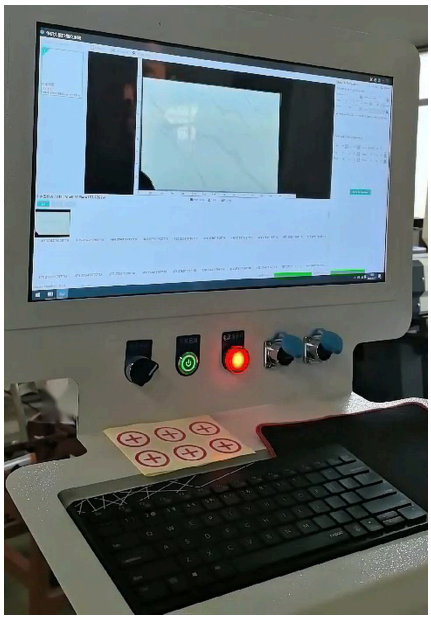
Plan the floor area, slab loading with your crane or lifter, and power. License terms, electrical supply and installation are confirmed on your quotation.

SCAN. MEASURE. MATCH.

From the slab rack to the cutting layout on screen.



Software screen: kitchen parts placed on three scanned slabs for a vein-matched layout.



Hardware and workstation

The slab stands on the frame while the scan column travels along it. An encoder tracks the travel, the LED line light with its condenser lens lights one line at a time, and the industrial control computer, with its data memory card, builds the color image.

Image	True color, with clear texture
Light	LED line light with condenser lens
Data	Encoder; data memory card

Design with the real slab

Use the scanned image in the VR design software to show the customer the finished kitchen.

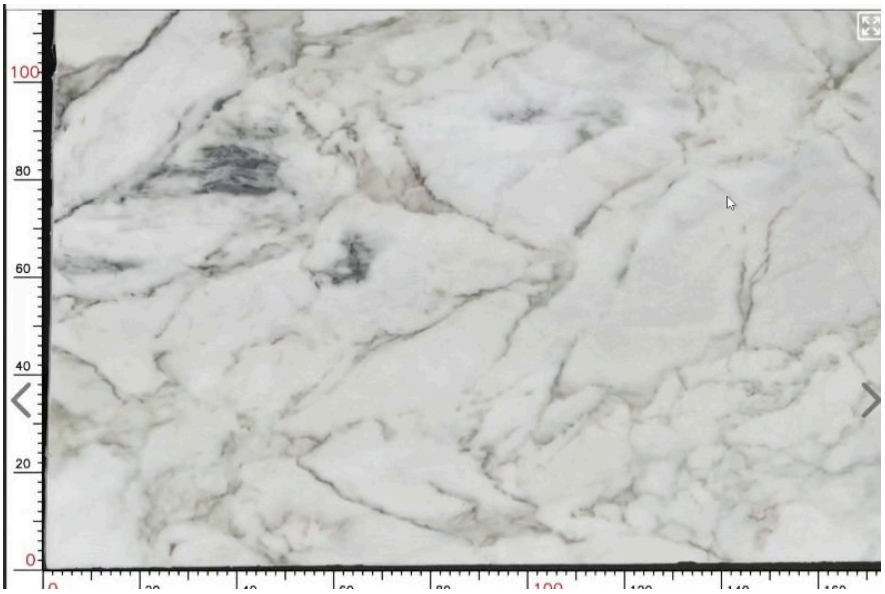
Vein matching

Lay out parts on the scanned slabs with the vein-matching toolpath design software.

Photos: frames from the factory's Falcon demonstration video (workstation, LED line light); software screens from the scanner software.

EVERY SLAB ON FILE.

Scanned, measured and stored, then planned into your shop.



Inventory and records

Each scanned image and its measured size sync to the image query system and the online inventory.

Look-up	Find each slab's production record again
Mobile	Real-time dashboard on a mobile mini-program
License	Software package renewed annually

SITE. POWER. DELIVERY.

Factory data.

17 ft 1 in	**4 ft 11 in**	**8 ft 10¼ in**	**2 kW**	**3,307 lb**
Length (5,200 mm)	Width (1,500 mm)	Height (2,700 mm)	Power	Weight (1,500 kg)

SITE REQUIREMENTS

- Level floor with clear access for loading and unloading slabs on the frame.
- Slab handling with your crane, forklift or vacuum lifter.
- A licensed electrician makes the final power connection; supply voltage is confirmed on the order.
- Internet access for the inventory, query and mobile dashboard functions.

INSTALLATION AND TERMS

- Installation, training and warranty terms are stated on your Next Level quotation.
- Software license terms are stated on your quotation.
- Final configuration and delivery are confirmed in writing at order.

Questions, or ready for a written quotation? **+1 941-900-3018** · **sales@nextlevel.plus** · **nextlevel.plus**

Budgetary equipment information. U.S. and metric values appear together; added conversions are approximate. This sales document does not replace the delivered manual, drawings or safety labels.