STONEX

3D Laser Scanning
that works, anywhere

STONEX
3D RECONSTRUCTOR

X300

Simple, tough, accurate

The right tool for your daily work

STONEX X300 is a 3D Scanner designed to deliver effective results every day, on any project.

It's ease of use, reliability, flexibility and reasonable price make it your perfect work companion.

RUGGED DESIGN

The fully sealed case protects your inversion making it possible to get the job done where others fail, regardless of dust, humidity, heat or bumps.

EASE OF USE

Push one button and control X300 with your smartphone or tablet. Laser scanning has never been easier.

RETURN ON INVERSION

X300 balances the performance you really need in a wide range of applications with a reasonable price.

EXPANDABLE

A complete set of accessories provide flexibility in any environment.

MADE IN ITALY

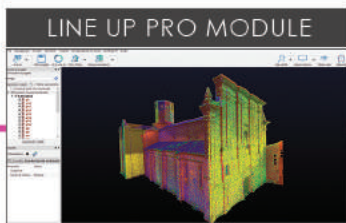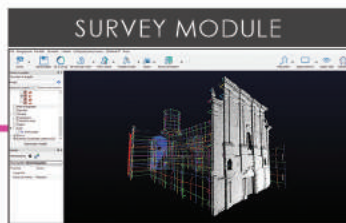A clean effective design for your daily work.

STONEX RECONSTRUCTOR
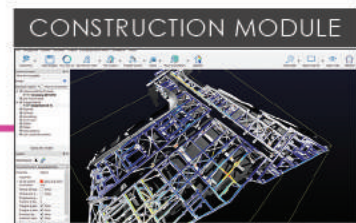## Powerful and usable 3D Software

STONEX RECONSTRUCTOR SOFTWARE will guide you trough a complete and clear workflow with expandable modules suited to your needs.
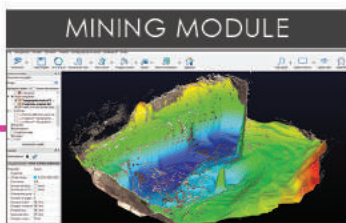
LINE UP PRO MODULE

Powerful Cloud Registration Tool, known for its efficient algorithm that makes alignment easier.

SURVEY MODULE
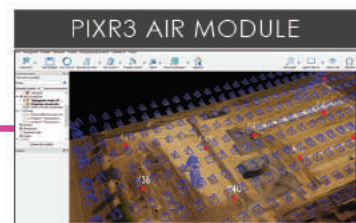
All the Cloud management tools in one application.

CONSTRUCTION MODULE

Advanced features for BIM, Architecture and Construction.

MINING MODULE

All you need for quarries, cut&fill volumes, excavations, DTM.

COLOR & MAPPING MODULE

Use your own high resolution camera to color the scans.

PIXR3 AIR MODULE

Process data collected with UAV and integrate them with X300

Open File Manager

If you are using CAD, crime scene, car crush analysis or other 3rd party software, you can now load the point cloud data collected with X300 directly into your workflow.

TECHNICAL FEATURES

PERFORMANCE

Range		1.6 – 300 m, 100% reflectivity (on white)
Field of view		
	Horizontal	360° (full panoramic)
	Vertical	90° (-25° to +65°)
Scan rate		Up to 40000 points/sec
Laser Beam Divergence		0.37 mrad
Grid spacing		39 mm x 39 mm @ 100 m
Angular resolution		1.35' (H) x 1.35' (V) (at max resolution)
Range accuracy		< 6 mm @ 50 m – (1 sigma) < 40 mm @ 300 m

SYSTEM

Scanning optics	Vertically rotating mirror, horizontally rotating base
Laser Class	Class 1M (IEC 60825-1)
Laser wavelenght	905 nm (invisible)
Dual-axis compensator	Accuracy 0.08°, Range +/- 20°
Integrated cameras	5 + 5 megapixels
Resolution	120MB over 360°
Data storage	Integrated 32Gb memory
Data transfer	Wi-Fi, USB device, Ethernet
Scanner control	Dedicated Wi-Fi web interface for smartphone/tablet (Android, iOS and Windows Mobile)

Scanner		
	Size (D x W x H)	215 mm x 170 mm x 430 mm
	Weight	6.15 kg/12.35 lbs (without battery)
Battery		
	Size (D x W x H)	42 mm x 165 mm x 120 mm 0.85 kg /
	Weight	1.76 lbs
AC Power Supply		
	Size (D x W x H)	147 mm x 63 mm x 38 mm
	Weight	200 g / 0.441 lbs

ELECTRICAL

Power supply	12 V (battery or external power unit)
Power consumption	40 W (on average)
Battery type	Li-ion
Operation	> 3 h

ENVIRONMENTAL

Operating temp.	-10°C to +50°C / 14°F to 122°F
Storage temp.	-25°C to +80°C / -13°F to 176°F
Humidity	Non-condensing
Protection class	IP65

Illustrations, descriptions and technical specifications are not binding and may change

IP65 CE FC RoHS 2002/95/EC

ACCESSORIES

MONITORING KIT

External Power Supply with Ethernet cable control to operate remotely the scanner in monitoring projects.

GPS KIT

Kit designed to connect the GNSS receiver to the X300 Laser Scanner. The easiest way to georeference your 3D data.

X300 FRAMEWORK

Expand the field of view and scan ceilings and tunnels.

CAMERA KIT

Install a DSLR camera to apply high resolution images to your scans

STONEX AUTHORIZED DEALER