

UNIscan™

HANDY~~3D~~SCAN®



ENTER THE HANDYSCAN 3D  
COMMUNITY!





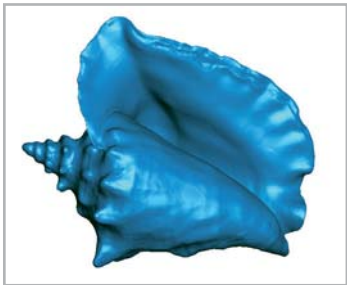
INTRODUCING THE ENTRY-LEVEL MODEL OF THE HANDYSCAN 3D™ LINE-UP: THE UNIsCan™. FEATURING THE HANDYSCAN 3D QUALITY AND RELIABILITY, THIS LOW-COST HANDHELD LASER SCANNER REACHES A WIDER COMMUNITY OF USERS, THUS OPENING THE DOOR TO A WHOLE NEW BASE OF 3D SCANNING APPLICATIONS.

THE UNIsCan IS THE BEST WAY TO CONDUCT SERIOUS, COST-EFFICIENT LASER SCANNING BUSINESS. BOASTING THE SAME INNOVATIVE SELF-POSITIONING HANDHELD TECHNOLOGY THAT HAS COMPLETELY REVOLUTIONIZED THE 3D SCANNING WAYS OF DOING, THE UNIsCan IS THE MOST AFFORDABLE, EASY TO USE, ALL-PURPOSE SCANNER OF THE HANDYSCAN 3D LINE-UP.

LIMITED-BUDGET AND/OR SMALL COMPANIES IN NEED OF A HIGH QUALITY, PERFORMING AND RELIABLE 3D DIGITIZING DEVICE CAN NOW OWN THE TECHNOLOGY OFFERING THE BEST QUALITY/PRICE RATIO ON THE MARKET.

**APPLICATIONS & SOLUTIONS**

The UNIsCan laser scanner is the perfect device for companies looking to meet their **reverse engineering**, **styling** and **design** requirements. This scanner is key in accelerating and facilitating **product design** processes and reducing related costs. Plus, the UNIsCan is a definite asset for various 3D scanning applications such as **3D archiving**, **complex shape acquisition**, **damage assessment**, **digital models** and **mock-ups** creation, **multimedia contents** creation, **packaging design**, **rapid prototyping** and **ergonomic studies**.



## BENEFITS

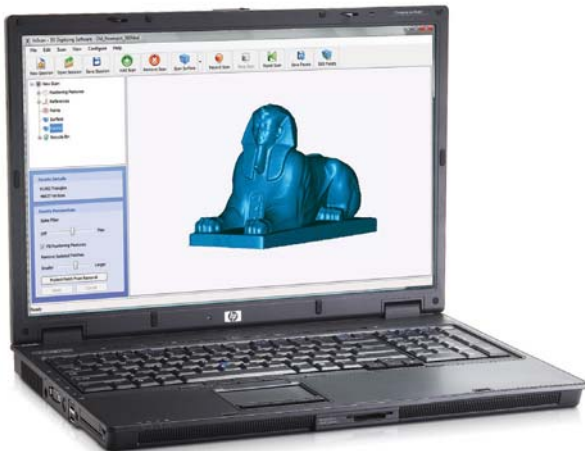
- **Affordable:** The Handyscan 3D scanner with the lowest price point, but still delivering great accuracy and speed of acquisition!
- **Self-positioning:** No external tracking or positioning devices are needed. The innovative positioning targets allow the operator to move the object any way he wants, over 360°.
- **Truly portable:** Fits in a case the size of a carry-on, easy to carry on the job site or from plant to plant.
- **High accuracy:** Yields some of the highest data quality in laser scanning technology.
- **True automatic multiresolution:** The Decimate Triangles slider makes it possible to keep a higher resolution when needed while keeping larger triangles on flat surfaces, thus producing lighter files.
- **Handheld device:** The device's shape and weight distribution allows for use on extended periods without leading to musculo-skeletal problems.



- **Versatile and user-friendly:** Allows the scanning of objects of virtually any size, shape or color in confined spaces. Very short learning curve, no extensive training.

## INDUSTRIES

Small enterprises and organizations active in industries such as **arts, consumer products, education, heritage preservation & architecture, manufacturing, multimedia** and **Web** applications will greatly benefit from what this high technology, high accuracy and high ROI 3D scanner can do for their business.



The UNIScan comes with VxScan Express™, which is a simplified, easier to use and learn version of VxScan, the original data acquisition software developed by Creafom that powers the entire line-up of Handyscan 3D laser scanners. This software provides true automatic multiresolution and real time 3D rendering visualization, in addition to powerful options such as automatic surface reconstruction, surface optimization algorithms, 64-bit compatibility and more!

## TECHNICAL SPECIFICATIONS

Weight	980 grams (2.1 lb)
Dimensions	160 x 260 x 210 mm (6.25 x 10.2 x 8.2 in)
Measurements	18,000 measures/s
Laser class	II (eye-safe)
Resolution in Z axis	0.1 mm (0.004 in)
Accuracy	Up to 80 µm (0.003 in)
ISO	50 µm + 250 µm/m (0.002 in + 0.003 in/ft)
Depth of field	30 cm (12 in)
Output formats	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr

## COMPATIBLE SOFTWARE

Paired up with the following CAD/post-processing software, the UNIScan laser scanner delivers great performance:

- CATIA V5 & V6: HSM™, the Handyscan Scanning Module for CATIA V5 & V6, is available from Creaform.
- Geomagic: The plug-ins for STUDIO and QUALIFY are provided with VxScan
- PolyWorks: Plug-ins are available from Innovmetric for the IMEdit & IMInspect modules
- Rapidform: The Handyscan 3D interface is included with every installation of XOS, XOR and XOY
- SolidWorks: VxScan is compatible with SolidWorks Premium (Scanto3D).

Other software platforms: please contact our specialists at [info@creaform3d.com](mailto:info@creaform3d.com)



### Included:

Carrying case  
Calibration plate  
Ergonomic support  
FireWire cable  
ExpressCard connecting card  
Power supply  
2,500 positioning targets  
1-year warranty on parts and labour

### Optional Accessories

Field Pack (for outdoors, in-the-field scanning)  
Laptop computer (Creaform strongly recommends the purchase of its certified computer, as it guarantees the scanner's optimum performance)  
Target applicator  
Etc.



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3D TECHNOLOGY AND DIGITAL SOLUTIONS

[www.creaform3d.com](http://www.creaform3d.com)

Authorized distributor

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