

Scanner 3D: SCAN technology

Scantech



*3D Scanners and CAD/CAM for
copying artistic work in stone
on any modern CNC machine*

Simple, reliable, value

CARSO

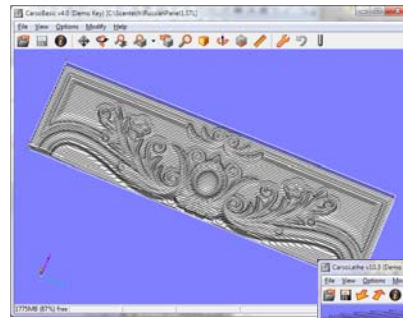
Computer Aided Restoration of Stone Objects

Save time by using a much faster and precise 3D Scanning instead of time consuming, complicated and expensive CAD-work

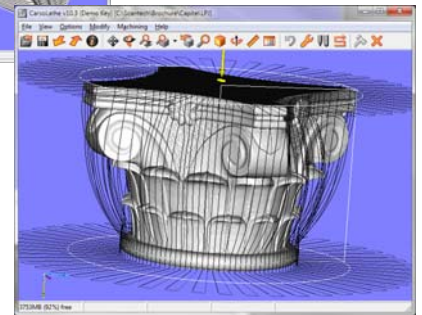
Scantech was the first in the world dedicated to restoration in stone. The intent has always been to provide the stonemason an easy access to modern CNC machines.

Scantech 3D Scanners represent the best in 3D scanning. Top design, easy to use with well documented usability. Scantech have more than 20 years experience with high end solutions for the stone industry. Our famous 3D Scanners are mounted on numerous 3 and 5 axis CNC machines and turning lathes. The 3D Scanners and the high quality software save time and money every day all over the world. As the only 3D Scanner on the market, Scantech 3D Scanner comes with a complete and comprehensive tailor made CAD/CAM solution that includes all the necessary data for the stone carving process of the CNC machine.

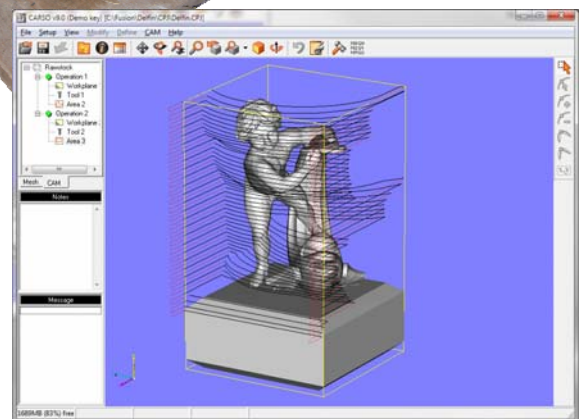
Copying and manufacturing of artistic work in stone by use of CNC machinery becomes much easier with the aid of Scantech 3D Scanners. Scanning the objects are often much faster than drawing the objects in a 3D CAD software. Furthermore, with the Scantech 3D Scanner, you are able to offer your customers a far wider range of creative and innovative designs and solutions.



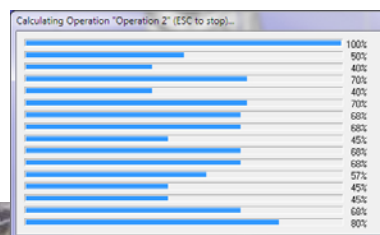
3-axis carving



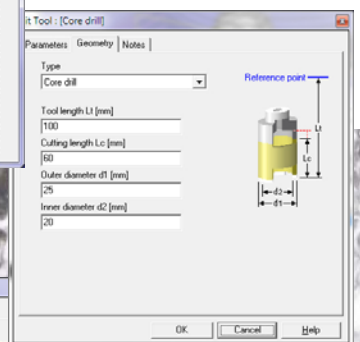
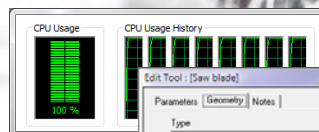
Turning lathe carving



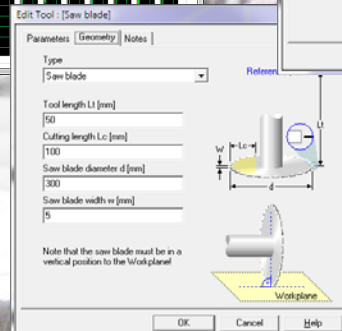
5-axis carving



Multi-core processing—100% CPU usage



Create original craftsmanship by hand in clay or plaster and quickly scan it for copying by CNC machine



Saw-blade and Core-drill for efficient and fast rough cutting

"We have a higher degree of freedom, because we can scan everything—only our imagination sets a limit—but most important: We can produce much faster and with greater precision!"

CNC mounted 3D Scanner

Scan on your 3-axis, 5-axis or turning lathe CNC

Easy to use, automatic and fast to mount on your CNC machine. Scantech 3D Scanners are safe, accurate and fast. No limit— just type in size of scan and press Go! Choose between our TwoCam 3D Scanner and OneCam 3D Scanner.



SL 3D Scanner

Fast and portable Structured White Light 3D Scanner

Forget about dismantling, transporting or even discussing how fragile a piece of art is. The Scantech SL 3D Scanner simply allows 3D Scanning on the spot! Together with CARSO it's a complete package for copying in stone on a CNC-machine. The SL 3D Scanner is a high precision, light weight and portable 3D Scanner with complete CNC-machine and CAD/CAM adaptability.

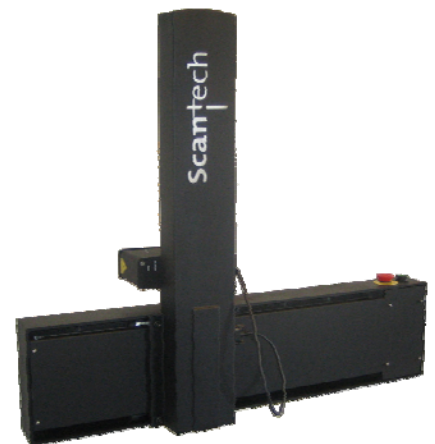


St400 3D Scanner machine

Automatic, precise and easy to use tabletop 3D Scanner machine

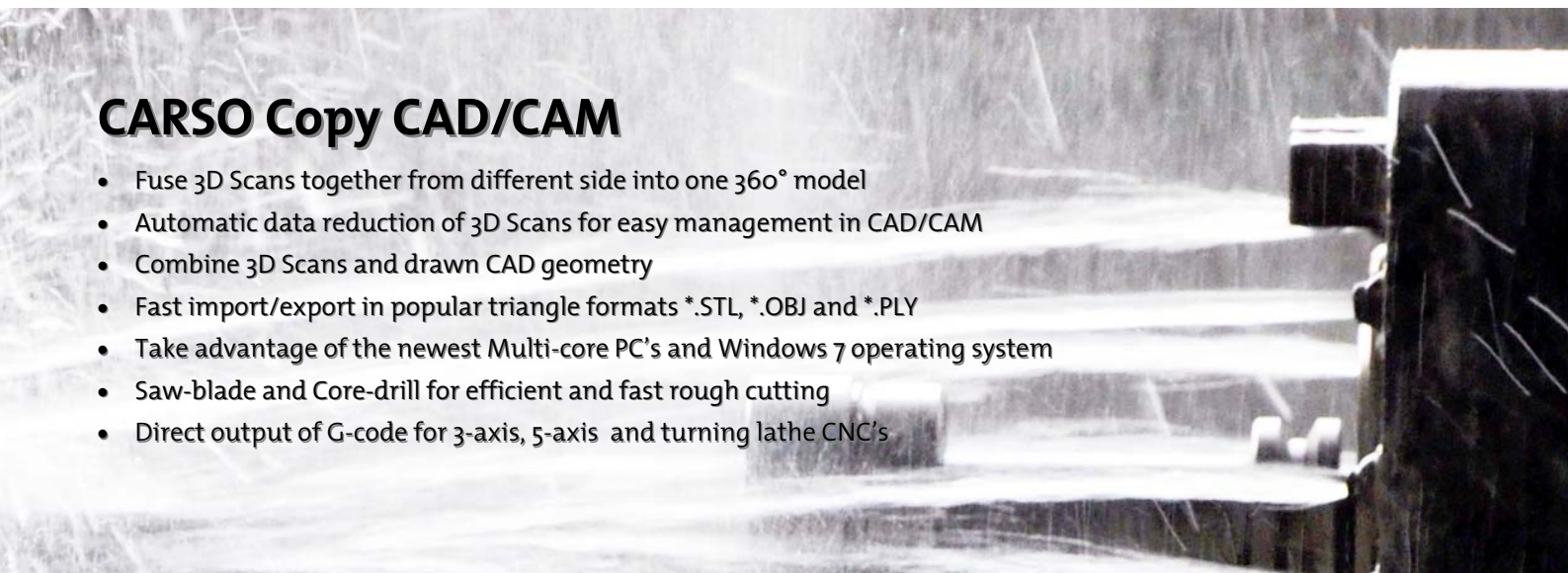
Free your CNC machine by putting your CNC 3D Scanner on the St400. It's perfect for scanning of smaller detailed objects for scaled-up reproduction.

Scantech 3D Scanners and Copying CAD/CAM CARSO brings out the best of your CNC-machine: An extra dimension with new possibilities!



CARSO Copy CAD/CAM

- Fuse 3D Scans together from different side into one 360° model
- Automatic data reduction of 3D Scans for easy management in CAD/CAM
- Combine 3D Scans and drawn CAD geometry
- Fast import/export in popular triangle formats *.STL, *.OBJ and *.PLY
- Take advantage of the newest Multi-core PC's and Windows 7 operating system
- Saw-blade and Core-drill for efficient and fast rough cutting
- Direct output of G-code for 3-axis, 5-axis and turning lathe CNC's

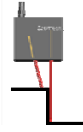


Technical details

CNC mounted 3D Scanners

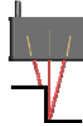
OneCam 3D Scanner

Principle of operation	Single triangulating point scanner
Light source	Laser 635 nm, 1mW, Class IEC 2
Scan range	200 mm
Accuracy	0.20 mm



TwoCam 3D Scanner

Principle of operation	Double triangulating point scanner
Light source	Laser 635 nm, 1mW, Class IEC 2
Scan range	200 or 400 mm
Accuracy	0.05/0.1 mm or 0.1 mm/0.20 mm



Portable 3D Scanner

SL 3D Scanner

Principle of operation	Structured White Light Camera scanner
Light source	DLP projector 230W lamp
Scan area	520 x 420 and 900 x 720 mm included
Accuracy	0.2 and 0.35 mm

Tabletop 3D Scanner machine

Scantech St400

Principle of operation	Double triangulation point scanner
Light source	Laser 635 nm, 1mW, Class IEC 2
Scan volumen	600 x 400 x 200 mm
Accuracy	0.10 mm

Scantech - The cutting edge in copying cultural objects in stone since 1989

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Scantech

SCAN technology A/S

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3D Scanners and CAD/CAM.
Scanner machines, portable
systems and scanners for
mounting on CNC-machines

