

TURN YOUR WILDEST  
IDEAS IN TO A REALITY

CENTRAL **SCANNING**  
3D Scanning and 3D Printing

## ABOUT US

Central Scanning Ltd was formed in 2006, when Director Nick Godfrey spotted a gap in the market for a UK company that provided 3D Scanning.

From tooth-sized objects to complete cars and more, Central Scanning Ltd now provides 3D Scanning for reverse engineering and/or inspection.

We also offer a comprehensive 3D Printing service, creating working models with moving parts for prototyping - spanning from aerospace and engineering to medical and the creative industries.

**At every step, Central Scanning brings your ideas to life.**

The quality of our equipment and our highly skilled engineers, means we can provide a premier level of expertise alongside cutting edge technology. Our customers are not just confined to the UK, but come to us from all across the world.

Whether it's working with Sellafield power plant to modify storage equipment, or with artist, Jason Bruges Studios on tracking the movement of water for an installation, we continue to deliver excellence for the many diverse industries we work within.

If you want to buy or rent 3D scanning equipment, we offer the best solutions and advise on 3D scanners and modelling software.

Our goal is simple... to develop close working relationships with our clients, so we can provide an attentive, professional and efficient service that will help you turn your wildest ideas in to a reality.



**WE 3D SCAN, WE 3D PRINT, WE 3D CARE...**



# OUR SECTORS

Dream big....

You'll find us surprisingly busy in more areas than just manufacturing! Central Scanning works closely with a huge variety of industries transforming dreams into reality every day. We've brought lost worlds to life for educationalists, architects and archaeologists, by making 3D scans and models of ancient fossils, coins and historically significant ruins.

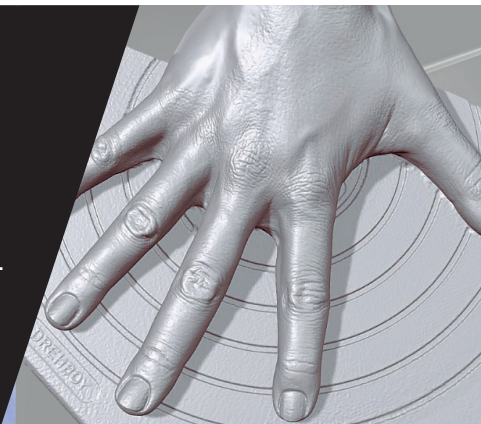
We've helped our customers in the automotive sector to check pre-production parts and reverse engineer old components in order to restore beautiful classic cars. If you work in the medical sector and are 3D scanning parts of the anatomy for a custom prosthesis or require precise 3D data of a medical device you are re-designing, we have the solution.

Also in the creative sector, our skills and cutting edge technology has taken us onto film sets and film production studios.

We've not only made props and prosthetics for action films and cutting edge music videos, but turned drawings into movable, stop motion figures for animators.

Wherever your imagination can take you, whatever sector you work in, Central Scanning can help you bring it to life.

- Aerospace
- Animation
- Archaeology
- Architecture
- Automotive
- Design & Styling
- Education
- Film & Theatre
- Leisure & Tourism
- Medical
- Power Generation
- Security



# SCANNING

Alongside our in-house experts we use the latest and most advanced ZEISS/GOM and Artec 3D scanning systems to deliver effective, affordable and reliable 3D scanning, on or off site of our premises.

All our scanners are certified to VDI 2634 & national standards and are regularly calibrated with artefacts that are re-certified annually.



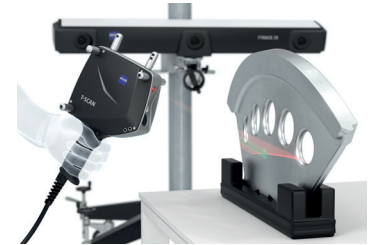
**gom** a ZEISS company T-SCAN HAWK

Precision portable handheld 3D scanner with optional photogrammetry to allow accuracy on the most demanding of measurement tasks.



**gom** a ZEISS company ATOS Q

Versatile tripod mounted precision 3D scanner with interchangeable lenses for scanning a wide range of objects on a semi-automated turntable.



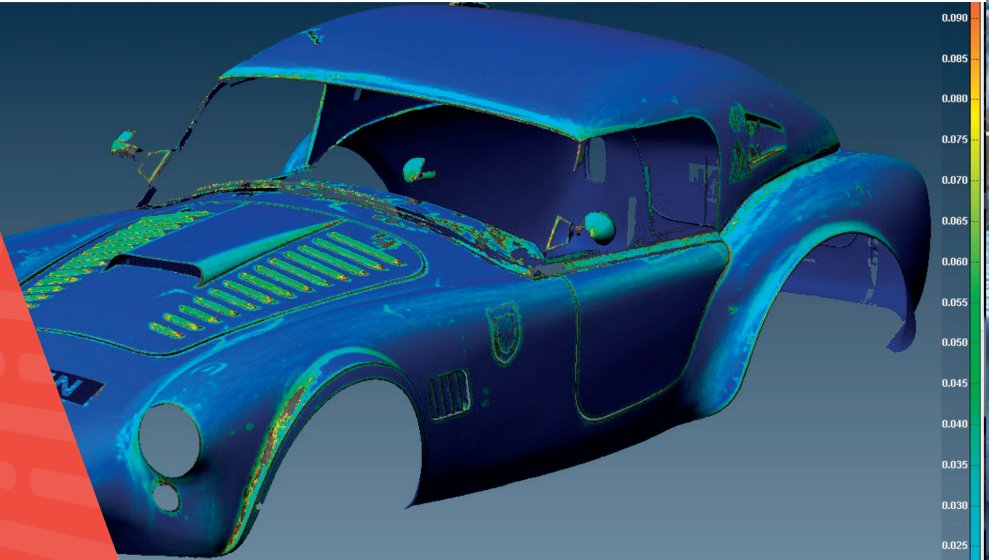
**gom** a ZEISS company T-SCAN 10 & 20

Tracker based and handheld 3D scanning system ideal for precision scanning large items in a 10m<sup>3</sup> or 20m<sup>3</sup> measuring volume.

IF IT HAS A PHYSICAL FORM – IT CAN BE SCANNED...

ARTEFACTS, BODY PARTS, COMPLEX COMPONENTS, MONUMENTS, BUILDINGS, CARS, EVEN FILM PROPS...

ENDLESS POSSIBILITIES...







## ARTEC 3D SCANNING SYSTEMS



**Artec 3D LEO**

With a touchscreen and on-board automatic processing, The Leo is perfect for 3D scanning in challenging environments.



**Artec 3D SPACE SPIDER**

Lightweight, designed with NASA, perfect for small objects such as printed circuit boards, keys, coins and even human facial features.



**Artec 3D EVA & EVA LITE**

The Eva captures colour and texture, the Lite is ideal for 3D scanning where texture or colour is not required.



**Artec 3D RAY**

With a 110m range it's perfect for capturing large spaces, buildings and objects, such as planes, trains and automobiles. Ideal for Construction and Aerospace.



**Artec 3D MICRO**

A professional high accuracy industrial desktop 3d scanner, which is perfect for small machine parts and objects such as dentistry and jewellery.



## 3D SCANNING

The power to change...

Our 3D Scanners swiftly collect the exact dimensions of an object or space. Using our specialist software we can immediately process data, bringing it to life as a three dimensional model on screen. Very quickly, models can be manipulated, reformatted and reverse engineered to create a new innovate design or to modify an existing one.

So what are the benefits?

Our scanners collect data with pinpoint accuracy, capturing a greater depth and intricacy. This means higher quality products and less chance of you having to rework a prototype, in turn pushing up profits and your position in the marketplace. 3D scanning is now considered industry standard.

Your success is our success.



## 3D PRINTING

The act of creation...

Just by taking your STL or CAD files, we can transform your 3D Models into a fully functioning moveable object, breathing life and vitality into your design.

At Central Scanning, we offer full colour, multi polymer material 3D printing, creating working models with moving parts that can be printed in one go.

So what are the benefits?

3D printing is most commonly used as a form of 3D rapid prototyping. Using 3D rapid prototyping means companies can verify and change designs more often, while spending less money and time doing so.

It's time to make your imagination come to life...





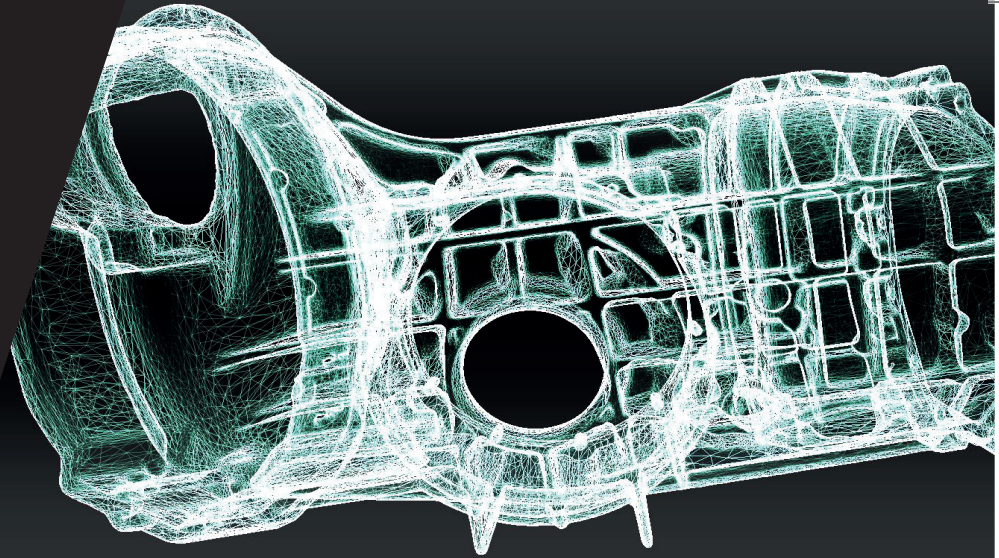
# REVERSE ENGINEERING

## How does it work?

Reverse Engineering is the process of measuring a part using data captured by our 3D scanning systems. Then, when it's rendered as a 3D image on screen, we can take it apart and figure out how it works or how it was originally designed.

## Why use Reverse Engineering?

Reverse Engineering with a 3D scanner is the most cost effective way to capture the complex geometry and intricacy of a part, so that you can use the data to redesign it, or to fathom the workings of an old model and reproduce it.



## OTHER SERVICES

### INSPECTION

Need to verify a prototype or comply with your end users quality requirements? We offer CAD-to-Part Inspection, Part-to-Part Inspection and First Article Inspection Reports.

### TRAINING

We train your engineers and other staff to use the equipment we support. Predominantly Artec 3D and ZEISS/GOM.

### SYSTEMS SALES

Artec 3D and ZEISS/GOM scanners are the most established and the very best in their fields of 3D scanning, we love working with, and selling their systems.

## SCAN & 3D PRINT SERVICE

Have an item you want to 3D capture and reproduce to scale as a 3D print? See how our 3D scanning and 3D printing services can be the solution for you.

Talk to us about your 3D scan and print needs.

## ARTEC LEO VIDEO

The ultimate in wireless and portable professional 3D scanning. Ideal for body scanning, heritage preservation, education and scanning for reverse engineering.

Tell us about your portable 3D scanning challenges.

## ZEISS T-SCAN VIDEO

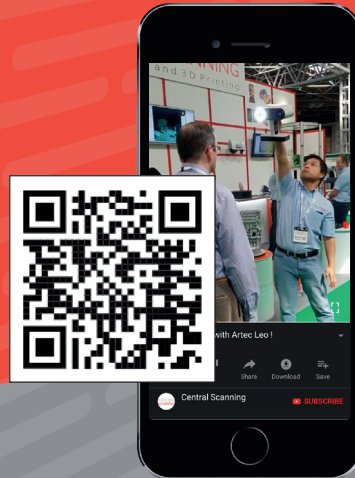
The ZEISS T-SCAN allows you to rapidly validate and get surface characteristics of large objects such as cars, large castings and items on the shop floor that are impractical to move.

Together with the ZEISS T-SCAN handheld scanner, T-POINT tactile probe and T-TRACK unit you have the flexibility to measure volumes of up to 35m<sup>3</sup>.

## ZEISS/GOM 3D SCANNERS

Our in-house metrology grade ZEISS/GOM scanners powers our temperature-controlled 3D scanning service. Certified to International standards, trust Central Scanning to make critical measurement decisions.

Tell us about your precision inspection or 3D scanning needs.



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