Core3dcentres®
Global leaders in digital dentistry

Represented on four continents with 11 manufacturing locations, Core3dcentres is the global powerhouse that is driving the dental industry into the digital era. Core3dcentres operates as an open architecture platform, providing validated digital workflows that guarantee functioning production solutions.
Global leaders in digital dentistry

Asia-Pacific, Benelux, Canada, Germany, Japan, Southern Europe, Switzerland, United Kingdom, USA
Digital Dentistry is the most accurate, efficient and consistent method of delivering dentistry today.

New technologies and methodologies have already outsmarted the traditional ways of working, providing the patient, dentist, and laboratory with greater precision and comfort. The speed and quality delivered by digital technology are critical in the pursuit of perfection. Core3dcentres has driven the evolution into this new era, providing the solutions and essential knowledge which have contributed to making the dream of digital dentistry a functioning production solution.
A world of advantages for professionals and patients

**Accuracy, efficiency and consistency**
Digital systems allow for the manufacture of customised dental restorations, prostheses, appliances and models with absolute precision. From a digital impression of the patients dentition, Core3dcentres digital solutions ensure rapid transfer of information, incredible fit and passivity. New techniques streamline and improve the work of dental surgeries and laboratories, allowing them to provide the patient with a higher quality, more aesthetically pleasing product via an altogether more comfortable and convenient patient experience.

**Restorations, prostheses, appliances and models**
Digital systems provide access to every kind of treatment plan and case type, with complete choice of materials and customisation.

**The broadest range of the most advanced materials**
Zirconia, titanium, cobalt-chrome, polymers, lithium-disilicate, nanocomposites... connecting with Core3dcentres state of the art dental production centres means instant access to all of the latest materials on the market.
Core3dcentres and digital dentistry, the winning combination

Core3dcentres is the pioneer of digital dentistry. The company is leading the evolution of digital dentistry with its innovative spirit, drawing together the various technologies to deliver a complete production solution.
Pioneers in the complete digital workflow
Core3dcentres is the first company to support the complete digital workflow. Through a clear vision of the bigger picture, the company has brought together the fragmented technologies of digital impression scanning, computer aided design, customised digital manufacture of restorations, prostheses, appliances and models through the various milling and additive technologies. Core3dcentres has created an end to end digital workflow that is unmatched in accuracy, efficiency and consistency.

An open platform for digital solutions
Core3dcentres is the only provider of digital dental solutions for all available materials, all popular implant systems, scanners and design software.

Global knowledge, local support
Core3dcentres is represented on four continents and boasts the largest digital network of dentists, specialists, technicians and support staff. Global presence allows for the knowledge sharing required to keep Core3dcentres ahead of global developments. Local support allows Core3dcentres to meet the needs of your business in your marketplace.

The fastest delivery times in the market
Core3dcentres delivery times are the fastest on the market. Most production cases are returned to the laboratory for finishing within 48 hours (dependent on case).

Core3dcentres an open digital solutions platform
Core3dcentres the guarantee of a complete digital workflow
The complete digital workflow

In comparison with traditional methods, the digital era allows us to manufacture customised restorations, prostheses, appliances and models with speed and precision. Leveraging technology that contributes to a more beneficial relationship between patient, doctor and laboratory.
The complete digital workflow is a digital impression in the surgery, digital design in the laboratory and digital manufacture in the production centre. Printed or milled models along with the restoration, prosthesis or appliance are returned to the laboratory for finishing, ready for placement in the surgery with digital communication between the three parties.

**Total flexibility**

Core3dcentres open architecture approach is flexible enough to allow existing clinicians or technician partnerships to continue uninterrupted even when one member digitises before the other. With a partly digitised workflow there are still incredible benefits to both businesses, although the complete digital workflow offers the greatest returns for everyone.
Digital impressions
For perfect impression taking

Order creation
Scan of the preparation and antagonist
Scanbody recognition
Bite registration
Transmission to the laboratory

Distributor & Qualified Trainer

TRIOS®
Distributor & Qualified Trainer

iTero®
Distributor & Qualified Trainer

3Shape
Distributor & Qualified Trainer

3M True Definition Scanner
Core3dcentres is the global leader in digital impression technologies and has aligned with developers of the most advanced digital impression systems on the market.

Core3dcentres’ specialist skill set is recognised by the major impression system manufacturers who have directly involved Core3dcentres in the development of new systems.

Digital Impressions, a world of advantages

For the dental clinic
- No need to use impression materials or repeat impressions.
- Better fit during placement.
- No more costs for material and shipping.

For the patient
- Faster, more comfortable. No need to use silicones and sprays.
- No visits to the dental clinic for repeat impression taking.
- Better restoration fit.
- Less time spent in the dental clinic.

Core3dcentres scanbodies and libraries are compatible with all popular intra-oral scanners on the market.
Once the digital impression of a patient’s dentition is recorded or a stone model is scanned, the restoration can be designed using precision CAD techniques. Core3dcentres is a distributor of 3Shape laboratory scanners and provides laboratories with the best dental design software along with training and remote support to ensure the shortest learning curve.

The leading CAD - CAM service for laboratories
Core3dcentres distributes 3Shape laboratory scanners. These scanners are the most renowned scanners on the market, providing your laboratory with up to date design software and a solutions library developed by Core3dcentres.

**Laboratory scanner**

As a result of the open platform provided by Core3dcentres, laboratory technicians can enjoy the following services:

- Core3dcentres allows laboratories to receive and work from digital impressions from the extensive and rapidly growing network of surgeries equipped with digital impression systems.

- Laboratories are able to leverage additive or reductive techniques to mill or print digital models including implant level models with analogues in place.

- Core3dcentres allows laboratories to digitise stone models, to benefit from the digital workflow, range of material options and advanced solutions.

- For those laboratories that already have a scanner, Core3dcentres boasts the most advanced dental production centres on the planet. With options from straightforward to advanced case types and a digital implant workflow compatible with all popular systems and brands. This means that, regardless of the clinical indication, Core3dcentres will have the necessary components for each restoration.

- Customer support is an essential point of difference for Core3dcentres. Our success depends on your success, and with an important history in the dental laboratory industry globally we understand clearly that the number one priority of business is keeping your laboratory operating. The result is free training on software updates, personalised training on the 3Shape system, telephone and remote technical and design support, regular training events and an extended marketing team ready to help you grow your business.
Advanced medical technology applied to the dental sector

Core3dcentres uses the most innovative medical manufacturing technology for the production of restorations, prostheses, appliances and models. From single tooth restorations to full arch implant bars, orthodontic appliances and removable prosthetics. Core3dcentres uses the widest range of materials in the market, including all metals, non-metals and materials for temporary solutions.

Experts in angulation correction offer cases that are designed for placement on implants requiring angulation correction. Core3dcentres offers extensive expertise in this kind of correction. The surgery, clinician and technician benefit from this, providing them with perfect aesthetics and fit for even the most complex cases.
Some reasons Core3dcentres is more than a production centre

The broadest range of the most advanced dental materials,

high production speed, extensive in-laboratory training, telephone and remote online support for technical and design issues, the convenience of placing orders online anytime, case tracking, telephone and online bill payment, support promoting and marketing your new digital products and services.

All laboratories can work with Core3dcentres, regardless of their level of digitisation. Core3dcentres offers solutions and advice for every step of the process.
Core3dcentres provides access to the broadest range of the most advanced dental materials and brands. Core3dcentres is an open, multiproduct, multibrand system.
Core3dcentres has developed milling techniques for all available materials in the market as well as investing in advanced additive technologies such as laser sintering.

Metals

Laser sintered CoCr, milled titanium, milled cobalt-chrome

- Cobalt-chrome is an ideal alloy for the digital manufacture of dental sub-structures due to excellent durability and mechanical behaviour and good ceramic bonding characteristics.
- Titanium is perfect for mechanical handling, it is biocompatible and works well in combination with soft tissue.

- Delivery times from 48 hours.
- Laser sintered CoCr 5 year warranty on all metal products.
Zirconia

- High quality milling of the most aesthetic and popular material.
- Layered or monolithic zirconia, white or shaded, sintered or non-sintered.
- Delivery times from 48 hours.
- Core3dcentres high production volumes allow competitive pricing.
- 3M LAVA™ authorised milling centres.

Translucent zirconia or zirconia for ceramic layering

- Translucent or monolithic Zirconia allows milling of anatomically shaped units with the final geometry required for a perfect fit in the patient’s mouth.
- Zirconia for ceramic layering is used as a base for the layering of ceramics in order to achieve the final anatomy and aesthetics.
In the non-metal category, Core3dcentres mills materials like lithium disilicate and nanocomposites. These materials are becoming more and more popular. Core3dcentres are authorised milling centres for materials from the most prestigious manufacturers of these types of materials, like 3M ESPE and Ivoclar Vivadent.

Temporary materials

Polymers
Core3dcentres is one of the few companies that offers a wide range of temporary materials. Temporary restorations made of polymer are placed initially, offering a precision fit and great aesthetics. Usually these temporary products are replaced by permanent restorations within two years.
Highly aesthetic monolithic solutions

Lithium disilicate, nanocomposites

Technological advancements now allow us to mill fully finished monolithic restorations that can be placed directly in the patient’s mouth, without the need for ceramic layering. Core3dcentres specialises in these cases, available in zirconia (Opalite®), as well as in non-ceramic materials, like lithium disilicate and nanocomposites.

Core3dcentres produces monolithic restorations from all these materials. Core3dcentres is an authorised Lava™ milling centre, and as such it offers the complete Lava™ range including Lava™ Ultimate.
The days when a stone model of the mouth and manual production of restorations were the best method of delivering dental treatment are long gone.

Intra-oral scanners are used to create a 3D image of the patient’s dentition. A physical model is then printed or milled. Laboratories can use these models in order to finish the restoration.

Today Core3dcentres mills or prints digital models, optionally including the precise placement of analogues. Core3dcentres again has been a pioneer in the development of this type of digital model.
Core3dcentres, a system that integrates all solutions

Core3dcentres is the first global company to provide a complete digital implant solution. Core3dcentres possesses the most comprehensive digital implant library for intra-oral and laboratory scanners on the market, along with all of the necessary componentry to deliver perfect patient results.

The basic elements of the digital implant workflow

- Digital impression system
  - 3shape
  - iTero
- Laboratory scanner
  - 3shape
The best digital implant library on the planet.

Core3dcentres has excelled in developing digital libraries for all popular brands and types of connections. These libraries allow for customised prosthesis design with a multi-platform system that can be applied to all popular scanners and design software: iTero, Trios, 3M True Definition, 3Shape, Dental Wings, Exocad, and more.

Scanbodies
Scanbodies are screwed into the implant or model prior to scanning and serve as indicators to determine the exact 3D position of the implant. The Core3dcentres range of approved intra-oral and laboratory scanbodies is the broadest on the market covering all popular implant systems.

Titanium bases
Titanium bases are the ideal solution for cemented screw retained implant restorations in zirconia, PMMA and other materials. Core3dcentres again leads the market with both engaging and non-engaging titanium bases for all popular implant systems.

Analogues
Inserted into the plaster or digital model, analogues are implant replicas which reproduce the exact 3D position of the implant.

Screws
Core3dcentres offers a screw solution for all situations, and for all popular implant systems. Included with every job, Core3dcentres screws are available for bars and single abutments, as well as specialised screws for angulation correction.
Digital Orthodontics

- Produce Physical Models.
- Digital Model Storage.
- Treatment planning and diagnostics.
- Seamless integration with:
  - Laboratory
  - Invisalign
  - Incognito
  - SureSmile
- STL Export.
- CT Integration - Orthognathic surgery treatment planning.
- File Sharing / Communication.
- Indirect Bonding Setups.
- Aligners.
- Splints.
Core3dcentres Practice-Lab Solution™ is an open platform option to offer same-day dentistry across a range of temporary and monolithic restorations, in addition to the regular workflow via Core3dcentres.
Core3dcentres
the leader in research & development, quality and service

R + D
Receipt of the digital design

From 48h

CAM Programming

High Speed Production

Shipping

Quality control
Excellent service and technical support

Core3dcentres offers high speed manufacturing of prosthetic cases in between 48 hours and 5 days (depending on the case), guaranteeing a first class service to its customers. These turnaround times were unheard of in the dental sector, but are now reality thanks to advanced technology and continuous 24 hour manufacturing systems. A professional customer service team, with a team of engineers ready to solve any problem, reassures our customers that Core3dcentres is the best partner in the industry when it comes to digital dentistry.

Industry leading training

A structured approach to teaching, learning and support means continuity for your business. A dedicated team of trainers and a structured training programme ensures that you are ideally prepared to step into digital dentistry. The provision of ongoing technical and design support via telephone and remote login ensures that Core3dcentres supports your success every step of the way.
Core3dcentres
the great digital opportunity

Secure the first steps into the unknown
Today’s dental industry is already digital: Prosthetic cases of unmatched quality and convenience for the dentist, the laboratory and the patient are produced digitally...

Investing in the skills and capabilities of digital dentistry is essential for those who want to move forward and grow their businesses. Core3dcentres is the ultimate partner for dental businesses that want a smooth transition. Core3dcentres has proven itself a loyal partner with a global presence and solid reputation based on quality, accuracy and consistency. Core3dcentres is the right choice for your business.

Taking the step into digital dentistry is essential, the best way to take it is together with Core3dcentres

Secure the first steps into the unknown
Contact Core3dcentres to learn more about how you can benefit from digital dentistry

**Asia Pacific**
PO Box 796, North Ryde BC NSW 2113
Australia
Tel +61 2 8090 2124 / 1300 551 831

**Benelux**
Dierenriem 1 3738 TP Maartensdijk
Holland
Tel +31 346 211 406

**Canada**
115 – 17th Ave SW, Calgary,
AB Canada T2S 0A1
Tel 1 877 308 7717

**Japan**
3-231-3 Hamadera Koen-cho,
Nishi-ku,Sakai-shi, Osaka
Japan 592-8346
Tel +81 72 267 0500

**South Europe**
Pol. Industrial Santa Anna I
08251 Santpedor (Barcelona)
Tel +34 902 38 38 48

**Switzerland**
Bahnhofstrasse 64,CH - 4313 Möhlin,
Switzerland
Tel +41 61 855 9550

**United Kingdom**
3 Annfield Place, Glasgow G31 2XQ
United Kingdom
Tel +44 141 554 8787

**USA**
5955 – 2 West Wigwam, Las Vegas,
NV USA 89139
Tel 888 750 9204 / 702 750 9204

www.core3dcentres.com