

DENSIGN LAB



BROCHURE



**GO DIGITAL**

**DensignLab** is a digital  
state-of-the-art laboratory with  
over 20 years of experience.

ABOUT US





## WHO ARE WE

We provide full-service dental laboratory services and products for dentists and dental laboratories across the UK. Our specialised high-performing team shares a single commitment to excellence and achieving outstanding results.

We work closely with our clients to provide high quality aesthetic and reconstructive work, providing the one-to-one personalised service our clients need to deliver the best service to their patients.

Densign Lab invests heavily in digital processes to produce the best dental results for our clients and their patients.

We utilise state-of-the art techniques and world class materials to produce strong, quality crowns, bridges, implants, partials, and dentures for discerning dentists. Our industry-leading service is changing the shape of dentistry in the UK.





# GO DIGITAL WITH US

We invest in world-leading technology and systems, as well as in our people. This makes us stand within the top ranks of our industry, offering the finest calibre products and services to our ever-growing list of clients. Utilising these products and services, you can proudly add value to your patients and provide them with the level of service they deserve.

Densign Lab is a digital leader, with products and services that provide faster, accurate and more consistent results for our clients. We have the latest digital equipment and technology at our fingertips, enabling digital dentistry services to become a reality. From 3D digital dental models to implants using advanced intra-oral scanners, you can open up a new world of dental expertise to your patients.

A key benefit of digital dentistry is the integrated communication system that it gives you. This enables faster upload speeds, simple progress tracking and ease of locating information. This makes communication between lab and clinic easy and facilitates a global approach to dentistry.

**SERVICES**



# 1

- IMPLANTS
- SMILE DESIGN
- CROWNS / BRIDGES
- TITANIUM MILLED BARS
- ABUTMENTS
- DIGITAL



custom-made abutment



lateral screw channel



custom titanium  
locator abutment



Implants supported PFM



# 2

- ACRYLIC DENTURES
- VALPLAST FLEXIBLE DENTURE
- MILLED / CHROME FRAME + ACRYLIC
- ALL ON FOUR / FRAMEWORK



veneers



milled framework



all-on-4 implants




acetal flexible denture

# 3

- ALL CERAMIC RESTORATIONS / METAL FREE
- CERAMICS / COMPOSITE RESTORATIONS
- METAL CERAMIC RESTORATIONS
- VACUUM FORMED APPLIANCES
- METAL RESTORATIONS
- SHADE MATCHING
- DIGITAL



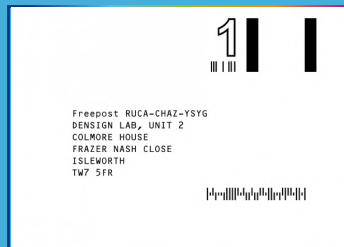


**HOW TO SEND A CASE**



## How to send a case to DensignLab

**METHOD 1** - Download our Freepost Label PDF and post to us



## METHOD 2

### If sending digitally:

**Less than 10 MB:** email them them directly to [office@densignlab.co.uk](mailto:office@densignlab.co.uk)

**More than 10MB:** you can send large files to us using your usual large file transfer site or for free via [www.dropbox.com](https://www.dropbox.com)

Go to our website [densignlab.co.uk](https://densignlab.co.uk) and from home page, click on **SendCase** and follow the steps.

## How to **connect** your scanner

iTero element



**Find us:**  
DensignLab and connect  
our lab to your account

MEDIT



Connect with us through Medit  
communicate: [scans@densignlab.co.uk](mailto:scans@densignlab.co.uk)

Dentsply  
Sirona



**Find us** on Sirona Connect  
under Densign Lab

Carestream



Connect with us through Carestream  
communicate: [office@densignlab.co.uk](mailto:office@densignlab.co.uk)

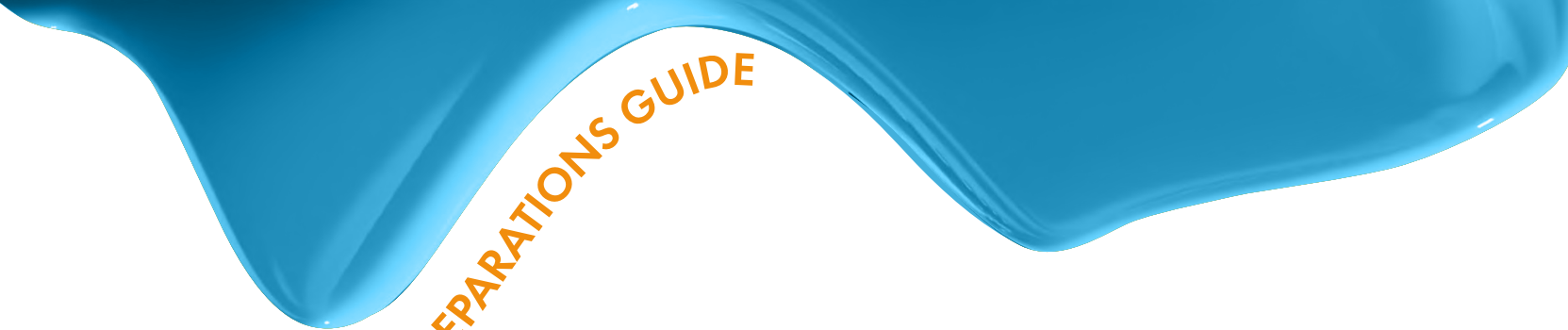
sshape  
TRIOS Ready



You can find us via our email  
[scans@densignlab.co.uk](mailto:scans@densignlab.co.uk). We can do  
conventional work, implants, and all  
smile design work through Trios.

### UPLOADING ALL OTHER DIGITAL FILES

Send an open STL file to our Dropbox.  
Find us via [scans@densignlab.co.uk](mailto:scans@densignlab.co.uk)



# PREPARATIONS GUIDE

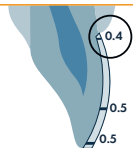
## Guide for full ceramic preparations

### Instructions - For interior cases:

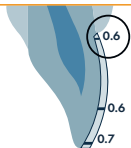
Manage the expectation of your patient by making a wax up and requesting a stent over the wax up to be able to base your temporaries on the wax up. Send us impressions of the temporaries and tell us what you would like to copy and what you would like to improve.



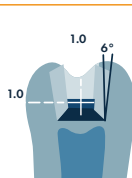
Thin Veneer



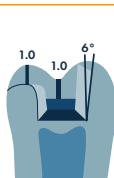
Veneer



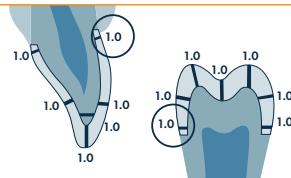
Inlay



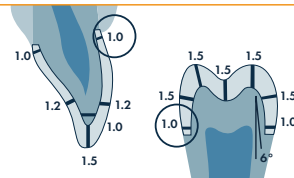
Onlay



Minimally invasive crown



Crown/Bridge



IPS e.max®  
CAD

### E.MAX Contraindications:

- very deep subgingival preparations
- patients with severely reduced residual denition
- parafunctions, e.g bruxism
- provisional insertion / trial wear period
- bridges with a pontic beyond 5's or bigger then 9mm
- cantilever bridges
- adjustments without polishing (please use appropriate burs only)
- always indicate is there is strong discolourations on the die
- don't make sharp corner preparations
- for inlays/onlays the preparation margins must not be located on centric atagonist contacts

### ZIRCONIA Contraindications:

- very deep subgingival preparations
- provisional insertion / trial wear period
- adjustments without polishing (please use appropriate burs only)
- always indicate if there is strong discolourations on the die
- don't make sharp corner preparations
- for veneer cases give us a "wrap around the incisal edge"
- check bonding procedures, and repeat these regardless of lab procedures
- wings are charged as units

# Guide for zirconium oxide preparations (ZrO<sub>2</sub>)

## Instructions - For interior cases:

Manage the expectation of your patient by making a wax up and requesting a stent over the wax up to be able to base your temporaries on the wax up. Send us impressions of the temporaries and tell us what you would like to copy and what you would like to improve.

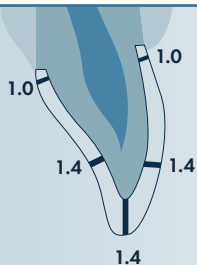


		Anterior crowns	Anterior bridge abutments	Posterior crowns and bridges
Polychromatic	IPS e.max® ZirCAD Prime			
	IPS e.max® ZirCAD MT Multi			
Monochromatic	IPS e.max® ZirCAD MT			
	IPS e.max® ZirCAD LT			

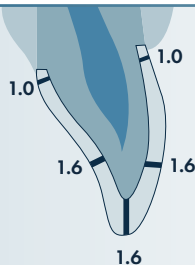
Polychromatic

IPS e.max®  
ZirCAD Prime

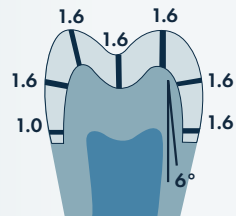
Anterior crown  
coping



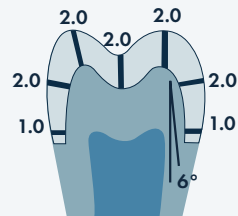
Anterior bridge  
abutments  
framework



Posterior crown  
coping



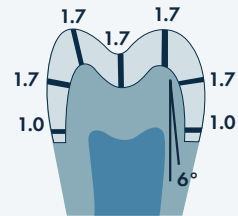
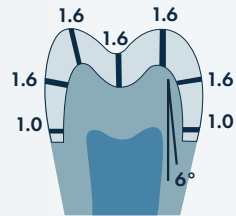
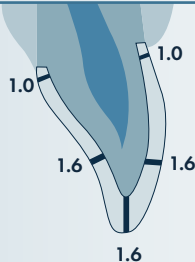
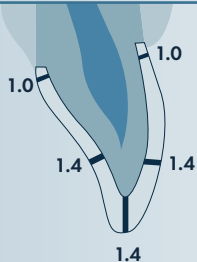
Posterior bridge  
framework



Monochromatic

IPS e.max®  
ZirCAD LT

IPS e.max®  
ZirCAD MO





OUR LATEST TECHNOLOGY



## Milling room

## 3D Printers

DGSHAPE  
by Roland

DWX-42W



DWX-52DCi



DWX-51 D - 5 AXIS

Roland



The DGSHAPE DWX range from Roland is a wet dental milling machine that enables wet milling of popular glass ceramic and composite resins to create perfect dental prosthetics with world class precision and accuracy.

AMW-400



Aidite | 爱迪特

AMW-400 is a dental milling machine, equipped with five-axis, mainly used for CAD/CAM digital milling of zirconia, resin and other dental materials.

Asiga PRO 4K



Asiga Max



The Asiga PRO printer range utilises the latest DLP imaging technology. This delivers optimum accuracy, reliability, and speed for the most demanding production applications.

G5 Granite universal  
milling center



Axya Delta 6



Specifically developed for the dental laboratory sector, these are universal machines: they can mill any kind of prosthetic work from any kind of material. Utilising the 5-axis continuous interpolation, it can produce personalised abutments and undercuts, creating superb surface finishes and reducing manual finishing times.

R5



VHF is a highly automated milling and grinding machine capable of handling any material with utmost precision and maximum stability.

vhf

ASIGA

TECNO-GAZ

## Scanners

MEDIT

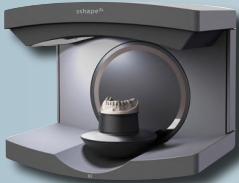
T710



The scanners make the creation of a 3D Digital Image of a patients' study model in an open format possible and in a short amount of time.

3shape

E2



R2000



## Software Designs

Dentsply  
Sirona

**Dentsply Sirona** is the world's largest manufacturer of professional dental solutions and has been providing industry-leading services to practices and laboratories for over 100 years.

exocad

**Exocad** is an innovative and dynamic CAD/CAM company with expertise in digital dentistry and providing leading-edge software to enable world class solutions.

3shape

**3 Shape** create award-winning dental lab and intraoral scanners, providing digital solutions for the dental industry to improve and modernise the patient experience.

We restore  
more than  
**500**  
IMPLANT  
connections

 **Dentsply  
Sirona**  
Implants

**OSSTEM<sup>®</sup>**  
IMPLANT

  
neoss

**BIOMET 3i<sup>™</sup>**

 **NEODENT<sup>®</sup>**  
A Straumann Group Brand

 **MEGA GEN**

**bredent** group

 **BIOHORIZONS<sup>®</sup>**

 **MEDENTiKA<sup>®</sup>**  
A Straumann Group Brand

 **straumann**

 **SOUTHERN IMPLANTS<sup>®</sup>**

**ATLANTIS<sup>™</sup>**

 **Nobel  
Biocare<sup>™</sup>**

**ANKYLOS<sup>®</sup>**