

Experience the DSD Lab difference

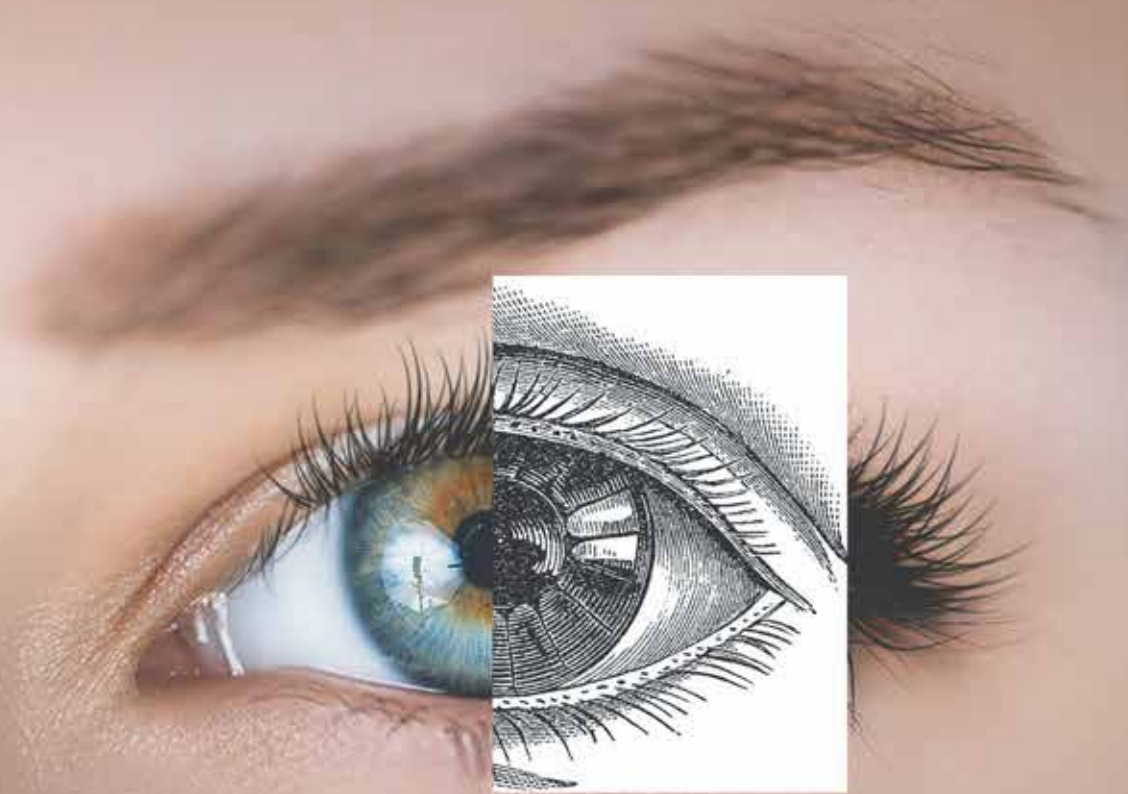
Embrace innovation, precision and artistry with a lab that is
redefining the dentist-technician relationship

DSD | LAB





Natural
Restorations



NATURE
KNOWS BEST

EXCLUSIVELY AVAILABLE AT DSD LAB



Want to order cases from
DSD Lab?

TALK TO AN ADVISOR

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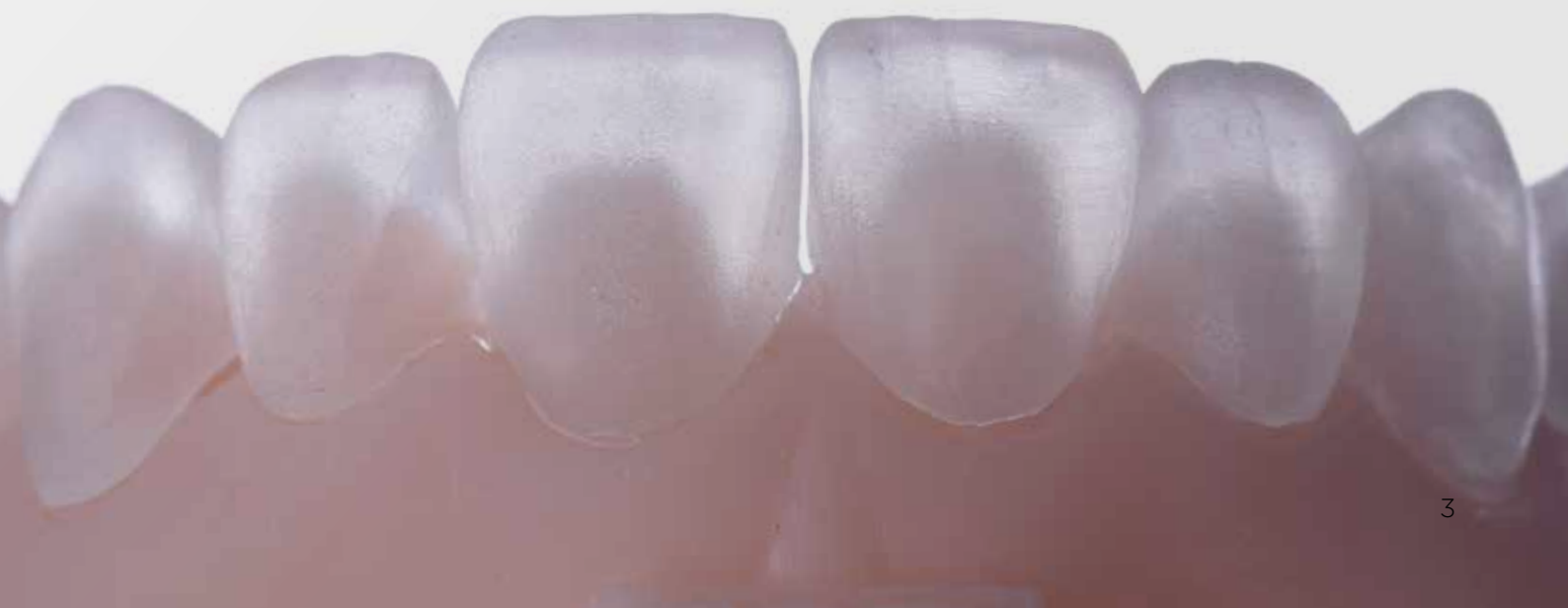
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DIGITAL SMILE DESIGN LAB

Have you ever asked yourself: 'can my relationship with my dental lab be even better than it is right now?' Have you ever wondered to yourself: 'could I ever find a better lab for me?' In this brochure, I'm going to explain to you what it's like working with DSD Lab* and perhaps you will be convinced to give us a try.

As a dentist, but above all, a technician, having been a ceramist for over 30 years with a family tradition of dentist-technicians through my father and grandfather, I can honestly say that I've seen it all when it comes to dental laboratories. I have seen labs that are completely analog and labs that are fully digital. I have worked with great labs and average labs. I have worked with established labs and built labs from the ground up. I have worked with dental clinics with in-house labs and fully outsourced labs. From single units to full mouth rehabilitations.

Through it all, my focus has always been on creating great relationships between dentists and technicians. Why? Because it's one of the most common areas where things go wrong in dentistry and can be a great source of stress. I strongly believe it doesn't have to be this way.

When building the DSD Lab, I put all of my experience and vision into it. My intention was to create something exceptional and sustainable for our clients.

**DSD Lab, official dental lab of Digital Smile Design*



Dr Charles Coachman, São Paulo 1940



Dr Christian Coachman, Madrid 2024

There are three main reasons why DSD Lab is different.

1

WE ARE AMONG THE FEW LABS THAT HAVE BEEN MASTERING FULLY DIGITAL WORKFLOWS FOR MANY YEARS. Not only mastering on our side, but helping dentists to master digital workflows on their side as well. Leveraging digital to make work more simple and more predictable.

2

WE ARE THE ONLY LAB CONNECTED TO AN INTERDISCIPLINARY DIGITAL PLANNING CENTER SERVICE. By connecting these two worlds, we can help you diagnose, plan and sell your cases and then convert with predictability to the final outcome.

3

WE ARE THE ONLY LAB HELPING YOU TELL AN EVEN BETTER STORY TO YOUR PATIENTS. Why working with us can make you better for them.

I believe that modern dentistry relies on a modern dentist-technician relationship. Let's build this together.

Best wishes

Christian Coachman

Founder of Digital Smile Design



How dentists work with DSD Lab

Dentists work with us in two distinct ways. Firstly, we offer services to diagnose, plan and sell cases. Secondly, we help dentists to execute their plan with manufactured guided devices and final restorations.

These services and products are underpinned by two guiding principles; comprehensive treatment planning and guided execution.

Why comprehensive treatment planning? When it comes to smile transformations, the outcome is only as good as the plan. Our services and products at the DSD Planning Center help dentists to make better decisions.

Why guided execution? We believe that outcomes should match treatment plans. We use devices to translate digital plans into clinical outcomes. The DSD Lab has extensive knowledge of 3D printing and milling manufacturing to complete cases with precision and natural beauty.



DSD | PLANNING
CENTER

DIAGNOSE SELL

Comprehensive Dentistry
Emotional Dentistry

DSD | LAB

PLAN PERFORM

Guided Dentistry
DSD Natural Restorations

DIGITAL PROJECTS



CLINICAL OUTCOMES

The DSD Planning Center and DSD Lab Synergy

From Comprehensive Planning to Precise Execution

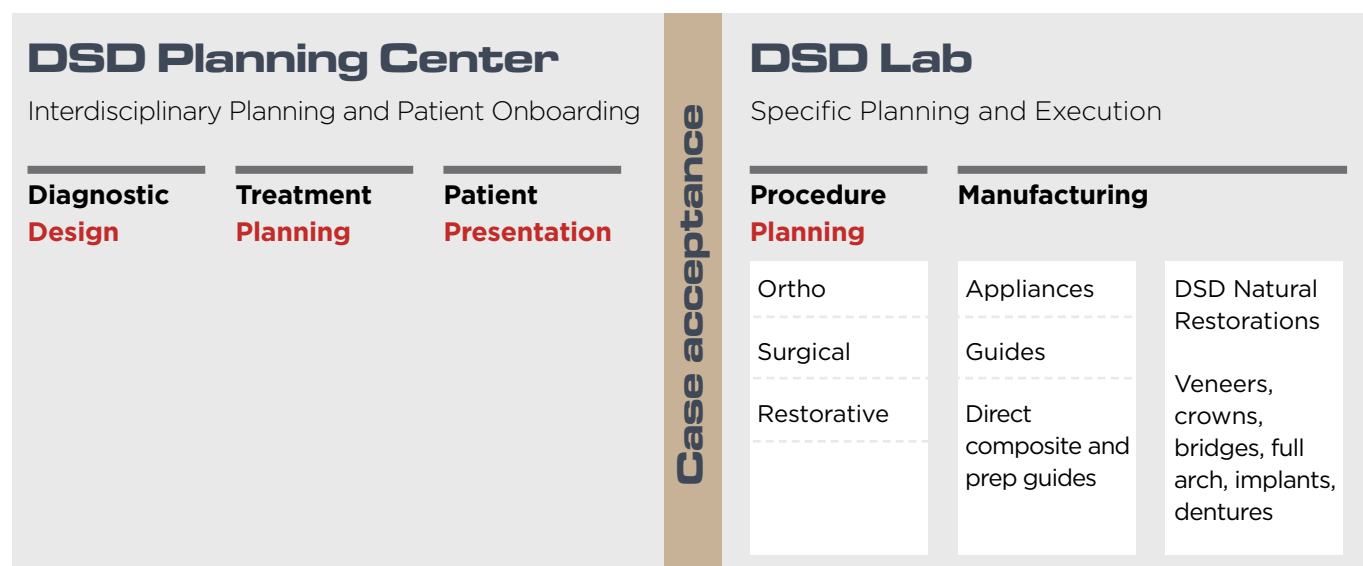
A key differentiator of the DSD Lab is its close integration with the DSD Planning Center.

The DSD Planning Center focuses on interdisciplinary exploration and patient onboarding, which happens before case acceptance. This involves diagnostic design, treatment planning, and patient presentation. Interdisciplinary experts use 3D software to help dentists visualize ideal outcomes and develop comprehensive, facially and airway-driven treatment plans.

The DSD Lab translates the plans into reality through manufacturing devices and restorations. This occurs after case acceptance and involves

procedure planning and manufacturing. Procedure planning is specific to each individual procedure, like ortho, surgical, or restorative, and it is based on the interdisciplinary plan developed by the DSD Planning Center.

The result? Dentists can be confident that their cases are managed with expertise and attention to detail, from initial diagnostic design to final restoration. This integrated approach leads to more predictable outcomes, better patient satisfaction, and a higher standard of care, enabling dentists to leverage the full potential of digital technology.





Who do we serve?

Our clients are dentists and dental clinics that are DSD certified. This means they have attended our DSD Provider course and completed our online certification afterwards, unlocking the DSD Provider membership. We have many success stories with dentists from all over the world.



DR CHARLES REGALADO, USA

"I've learned so much from the team at the DSD Lab! I trust their recommendations of material and opacity and I appreciate the detailed communication. The marginal fit was ideal and there was no need for any interproximal adjustments except for small refinements on the implants that were seated last. I've come to fully expect excellent margins and contacts with DSD Lab team."



DR RYAN BRADEN, USA

"DSD Ceramics Team: Just inserted the 10 veneers this morning. They are some of the best fit and esthetic restorations I have ever done in my 19 years. There was not a single adjustment to interproximal contacts needed, margins were excellent, great result. Patient is very happy. This case is a significant upgrade from previous results and I am looking forward to the next case with DSD. Great job."

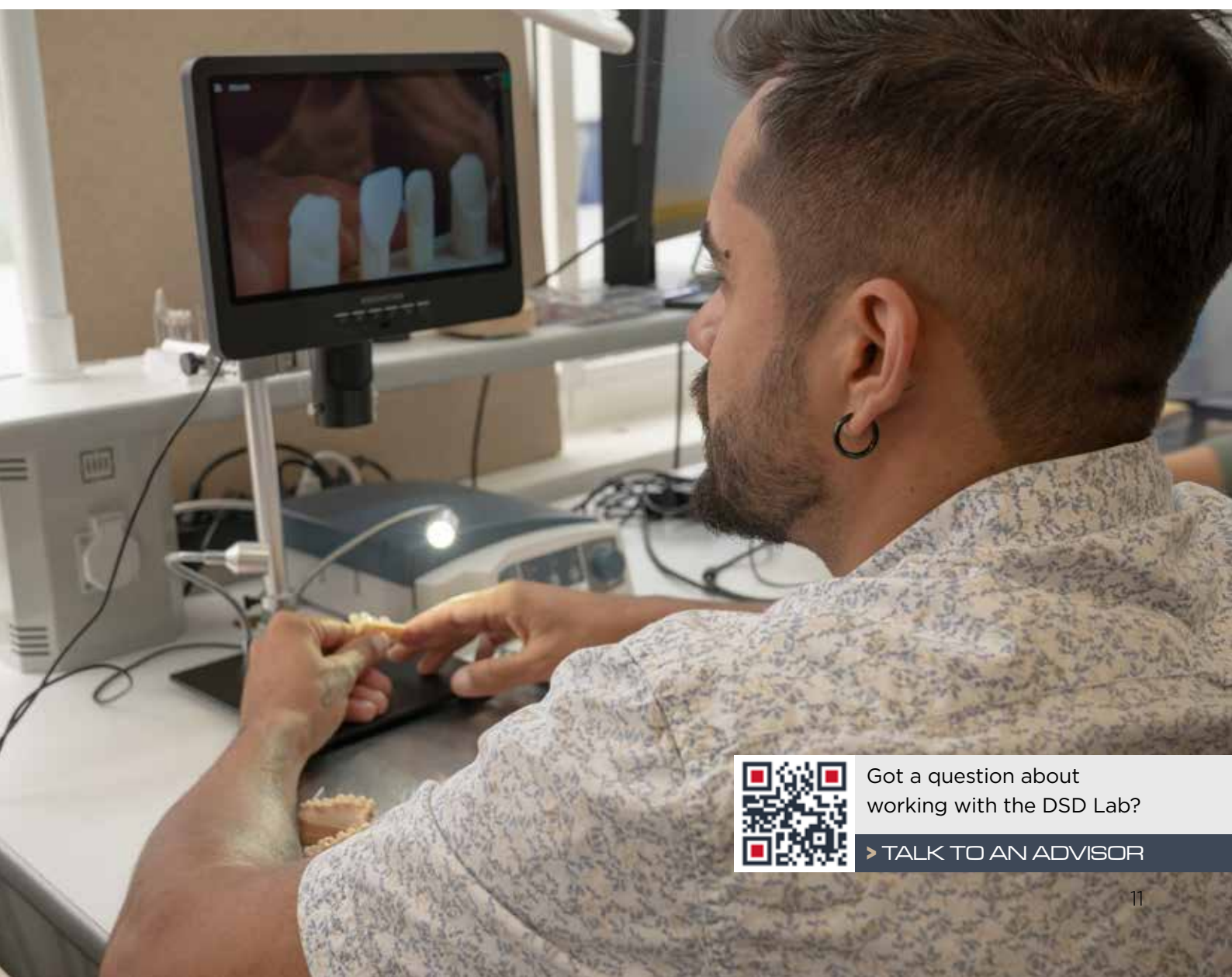


DR JO TAN, KUALA LUMPUR, MALAYSIA

"The surface texture of the veneers was remarkable and similar to that of natural teeth. When I received them, they looked like individual pieces of art."

DSD Lab is ideal for dentists who want

- to use a fully digital lab and embrace digital workflows in their clinics
- a solid partnership with a dental laboratory
- consistently good outcomes from all their restorative cases
- reduced redos and minimal chairside adjustments in final fittings
- to learn and always improve by investing in their continuous training



Got a question about
working with the DSD Lab?

➤ TALK TO AN ADVISOR

7 commitments of the DSD Lab

What truly sets us apart are the seven DSD Lab commitments, addressing the most common problems that dentists have with dental labs.

1

TURNAROUND TIME

We strive to give our clients a delivery date they can count on every time. We understand the challenges of scheduling patients. We believe in giving clients timely case updates about delivery dates and other factors that could cause delays, to ensure we meet expectations.



2

RESTORATION FIT

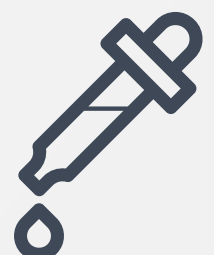
We invest in technology for the highest levels of precision. We take care with margin validation with our clients before shipping. We use a microscope, top printer technology, model material, quality control by a master ceramist and single die fit checks to ensure high standards.



3

COLOR

We ensure your expectations are met. We communicate clearly about material options before manufacturing and offer in-depth restorative planning. We validate color with photos, VITA shade guide and, master ceramist quality control and strive for natural-looking staining and glazing.



4

SHAPE

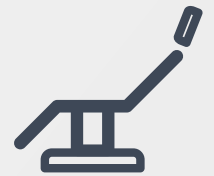
We create naturally attractive shapes and dentofacial harmony. We achieve precision outcomes with our 'copy-paste' concept, harnessing natural libraries and smile design mastery. Our communication protocol includes quality control steps approved by the dentist and the master ceramist, ensuring expectations are met.



5

CHAIRSIDE ADJUSTMENT

Maximum effort in the lab minimizes your work in the mouth. A well-fitting restoration ensures stress-free appointments and a great patient experience. This is why we are meticulous about internal and interproximal adjustments and take great care with occlusion.



6

ATTENTIVE COMMUNICATION

We strive for clear communication with clients. We value regular updates and interactions with our clients to ensure they are aware of every step and can reach us through our dedicated communication channels at any time.



7

WORLD CLASS SYSTEMS

We optimize execution with pragmatic workflows. We continually strive to simplify our steps and processes to make them intuitive for our clients to use. Our systems ensure sustainably great results.



DSD Natural Restorations

DSD Natural Restorations is a concept that Christian Coachman and his team pioneered 10 years ago when they brought together natural tooth libraries and a complete digital workflow. The result? Giving dentists the ability to 'copy paste' nature into the mouths of their patients with accuracy and consistency.

Today it is renowned for its precise and naturally esthetic results and is the first choice for restorations by dental clinics around the world.

“Our flagship product, DSD Natural Restorations, utilizes natural libraries and monolithic restorations to deliver smiles that are beautiful and simple to execute with consistency, leveraging technology to simplify the process of full mouth rehabilitations and cosmetic cases.”

Christian Coachman





DSD Natural Restorations are different because they

- Are facially integrated
- Are monolithic
- Are fully digital
- Harness natural libraries
- Apply copy-paste dentistry
- Are polychromatic



DSD Lab products and services

The following products can be ordered from the DSD Lab.



DSD Motivational Mock-up

Smile Design is adapted to the pre op situation to be printed. Silicone index is manufactured over the model to allow for a bisacryl smile test drive.



DSD Shell Mock-up

Smile Design is adapted to the pre op situation and a tooth color shell is printed to be used as a smile test drive.

Bite Deprogrammer

An anterior jig is designed to allow for the ideal bite opening and jaw relationship to be scanned.



Printed Bite Splint

Michigan-style hard splint with a flat surface for even contact forces and canine guidance.



Milled or Printed Provisional Restorations

Over any tooth prep design or for relining. Screw-retained, cemented or with positioners to capture the implants.



DSD TAD Guide

Position orthodontic temporary anchorage devices with ease and precision.



DSD Crown Lengthening Guide

Control ideal soft tissue and bone reduction and deliver outcomes similar to the treatment plan.



DSD SFOT Guide

Perform corticotomies with accuracy.



Partial Implant Guide

Efficient implant placement by following the treatment plan.



Customized Implant Abutments

Ideal integration between implant position and smile design for the best soft tissue conditioning.



DSD Direct Composite Guide

Simple, efficient and affordable smile makeovers with direct composite using injection or pressed methods.





DSD Prep Guides

Prep only what is necessary for minimally invasive dentistry and avoid manufacturing issues.

DSD Clic Guides

For surgical confidence when placing full implant arches. For immediate functional smiles with natural-looking esthetics.



DSD Natural Restorations

Includes veneers, crowns, bridges, inlays and onlays. The best combination between esthetics and simplicity.



DSD Full Arch Implant Bridge

Easy workflow and astonishing esthetics with passive fit.

Denture

Leveraging technology with removable dentures for temporary or permanent solutions.



Select the ideal material for your restoration

For flawless restorations, we have created the DSD Lab Materials Matrix, a handy reference for any dentist to select the ideal material for a restoration, considering factors such as composition, flexural strength, esthetics, indications and conditioning.



Material		Vita Enamic	Vita Mark II	TriLux forte	Real Life
Composition		Hybrid Ceramic (86% Feldspathic + 14% Polymer)	Feldspathic Ceramic (Monochromatic)	Feldspathic Ceramic (Polychromatic)	Feldspathic Ceramic (Polychromatic)
Block / Disc Options		T / HT / ST	Unique (MC)	Unique (PC)	Unique (PC 3D)
Esthetics		+++	+++++	+++++	+++++
Flexural Strength		150 MPa	130 MPa	130 MPa	130 MPa
Indications	I/O	↑	?	?	?
	V	↑	↑	↑	↑
	AC	↑	?	?	?
	PC	?	↓	↓	↓
	IC	↓	×	×	×
	AB	×	×	×	×
	PB	×	×	×	×
Restoration Conditioning	FAIB	×	×	×	×
	Sand blast	27/50 Micras 2 Bar 5 sec	NO	NO	NO
	Etch	4.6% HF acid 1 min	9.8% HF acid 2 min	9.8% HF acid 2 min	9.8% HF acid 2 min
Bond Silane Primer		Silane Bond	Silane	Silane	Silane

I/O - Inlay / Onlay
IC - Implant Crown
V - Veneer
AB - Anterior Bridge

AC - Anterior Crown
PB - Posterior Bridge
PC - Posterior Crown
FAIB - Full Arch Implant Bridge

↑ - Recommended
? - Possible
↓ - Unfavorable
× - Not Indicated

DSD LAB Materials Matrix					
Material		Empress	Vita Suprinity	Emax	Zirconia 3Y-TZP
Composition		Leucite-Reinforced Glass-Ceramic	Lithium Silicate + 10% Zirconia	Lithium Disilicate	Zirconium Dioxide
Block / Disc Options		PC LT HT	T / HT	LT / MT / HT	T / HT / ST / XT MC / PC
Esthetics		+++++	++++	++++	++
Flexural Strength		185 MPa	440 MPa	360 MPa	1200 - 1590 MPa
Indications	I/O	?	↑	↑	↓
	V	↑	↑	↑	×
	AC	?	↑	↑	↓
	PC	↓	↑	↑	?
	IC	×	↓	↓	?
	AB	×	?	?	?
	PB	×	?	?	↑
	FAIB	×	×	×	↑
Restoration Conditioning	Sand blast	NO	NO	NO	27/50 Micra 2 Bar 5 sec
	Etch	9.8% HF acid 1 min	4.6% HF acid 20 sec	4.6% HF acid 20 sec	NO
	Bond Silane Primer	Silane	Silane	Silane	Primer MDP

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Material		Translucent Zirconia 4Y / 5Y PSZ	Milled Temps PMMA	Printed Temps Formlabs Temporary CB	Printed Finals Bego VarseoSmile TriniQ
Composition		Zirconium Dioxide	Polymethyl Methacrylate	Resin	Ceramic-filled Resin
Block / Disc Options		T / HT / ST / XT MC / PC	MC / PC	Unique Translucency	Unique Translucency
Esthetics		+++++	++++	+++	+++
Flexural Strength		300-1000 MPa	110 - 130 MPa	100 MPa	120 -150 MPa
Indications	I/O	↓	↑	↑	↑
	V	×	?	↑	↑
	AC	↑	↑	↑	↑
	PC	↑	↑	?	?
	IC	↑	↑	?	↓
	AB	↑	↑	?	?
	PB	↑	↑	?	↓
	FAIB	?	↑	×	×
Restoration Conditioning	Sand blast	27/50 Micras 2 Bar 5 sec	50 Micras 1.5 Bar 5 sec	NO	27/50 Micras 2 Bar 5 sec
	Etch	NO	NO	NO	NO
Bond Silane Primer		Primer MDP	Bond MDP	Bond	Bond

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MEET OUR TEAM



"I am immensely proud of what we have achieved and continue to achieve at the DSD Lab. Both my grandfather and father were dentists and technicians, like me, and I carry this legacy into my daily work; bringing the best of tradition to our fully digital innovations,"

Dr Christian Coachman
DSD Founder



"The most fulfilling part of my work is when a client tells me that my notes and suggestions were helpful to them and that they learnt something new. I see every case as an opportunity to learn from our clients and to share our knowledge,"

Dr Ângelo Raphael Coelho
Restorative Clinical Director



"I really believe in the coming together of art and design in our work here at the DSD Lab. We help people to not only restore their smile but also their joy and disposition,"

Isaak Coimbra
Master Ceramist

DSD | LAB

Creating exceptional smiles





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