

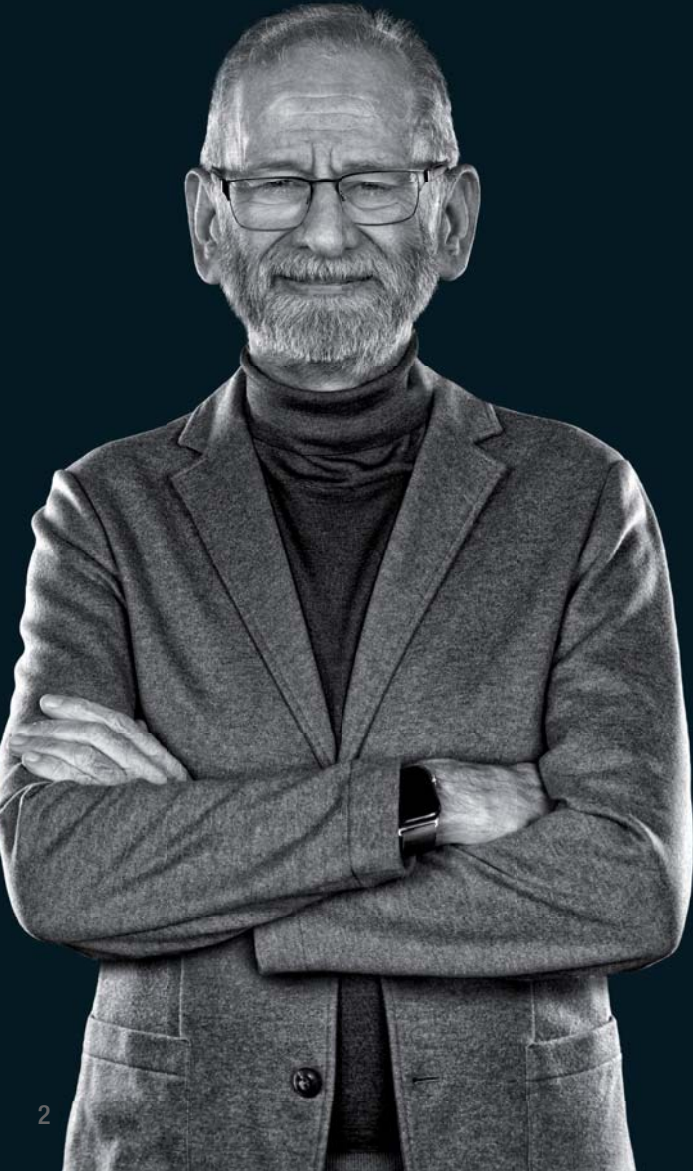
Zirkonzahn®

Human Zirconium Technology

MY CRAFT. MY HOMELAND.

by Enrico Steger

MY ROOTS



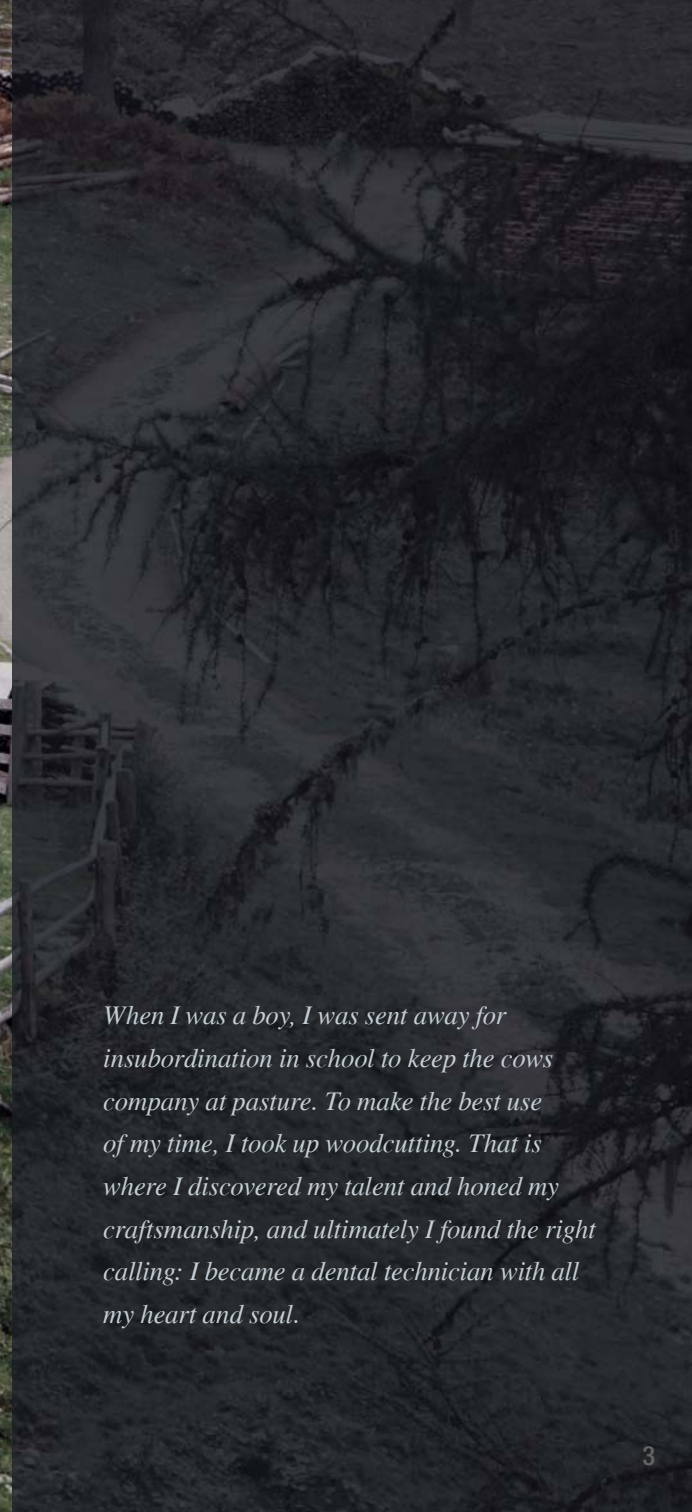
At the root of everything I have achieved is my “Heimat”. Heimat is a German word that is difficult to render into English. Sometimes “home” comes close. Sometimes “homeland” comes close. Or “home soil”. Heimat is where we come from. It links us to the people and the memory of the people who shaped us. It gives me strength. It makes me who I am and who I want to be.

My Heimat is ultimately the source of all I think and believe in. And when I am out travelling, Heimat calls me to return. It inspires me. It restores my power when I am exhausted and lets me draw new strength.

With it I associate tradition and progress. Tradition helps me believe in my values. Progress is my driving force and my objective. Tradition and progress belong together. Without any roots in tradition, progress is impossible.

Jurico Steger





When I was a boy, I was sent away for insubordination in school to keep the cows company at pasture. To make the best use of my time, I took up woodcutting. That is where I discovered my talent and honed my craftsmanship, and ultimately I found the right calling: I became a dental technician with all my heart and soul.

Our wonderful hands

We feel, understand and change the world with them. We caress the ones we love with them, we save lives with them, we shape objects that make us proud. They keep us busy and inspire us. We use them to point out the way to go. And much more. Without them, humankind would never have become what it is. So let us pay homage to our best tools and what we do with them; let us hold them in reverence and use them to the best of our abilities.



MOVE THE WORLD WITH YOUR HANDS

I want my company to be deeply rooted in South Tyrol, just like I am, firmly anchored to the ground and connected to the values of the region that has shaped me. “Move the world with your hands” – this is the motto under which I established Zirkonzahn as a one-man business. It was in the late 1990s that I discovered zirconia as a new dental material. Strongly convinced of the base properties of this material, I decided to make the best out of it. I started imagining highly aesthetic dental solutions, solutions that had seemed impossible with previous materials. However, disappointment followed soon: there was no milling machine whose results I found convincing.

But that only fired up my ambition. And I remembered the old pantograph, which gave me the idea to work with zirconia manually. So I set out to ask questions wherever I went. And in the end I had learned how to make zirconia. The Zirkograph had been developed. I had also learned that the fit of the whole ultimately depends on the fit of every little part. So I not only pressed zirconia, but I also developed a zirconia furnace and my own milling tools. The first manual milling machine was sold in 2005. Since that time, the company has enjoyed continuous growth and my dream of running my own factory has come true.





My son Julian is at my side and helps me run the company. As master dental technician himself, he knows the routine in a dental lab as well as the current market situation and manages all operative processes for product launches. Together, we take important company decisions. For me as a father it is a source of pride that we share the same passion and the same goals.

I built Zirkonzahn on the fundamental values of order, diligence, trust and responsibility. We develop new technologies and visions for the dental market. We are impartial in our search for unconventional, practical solutions. Together we forge ideas, and we work hard on their implementation. We investigate and explore everything, down to the most minute detail, and hope to be rewarded with success.



OUR VALUES

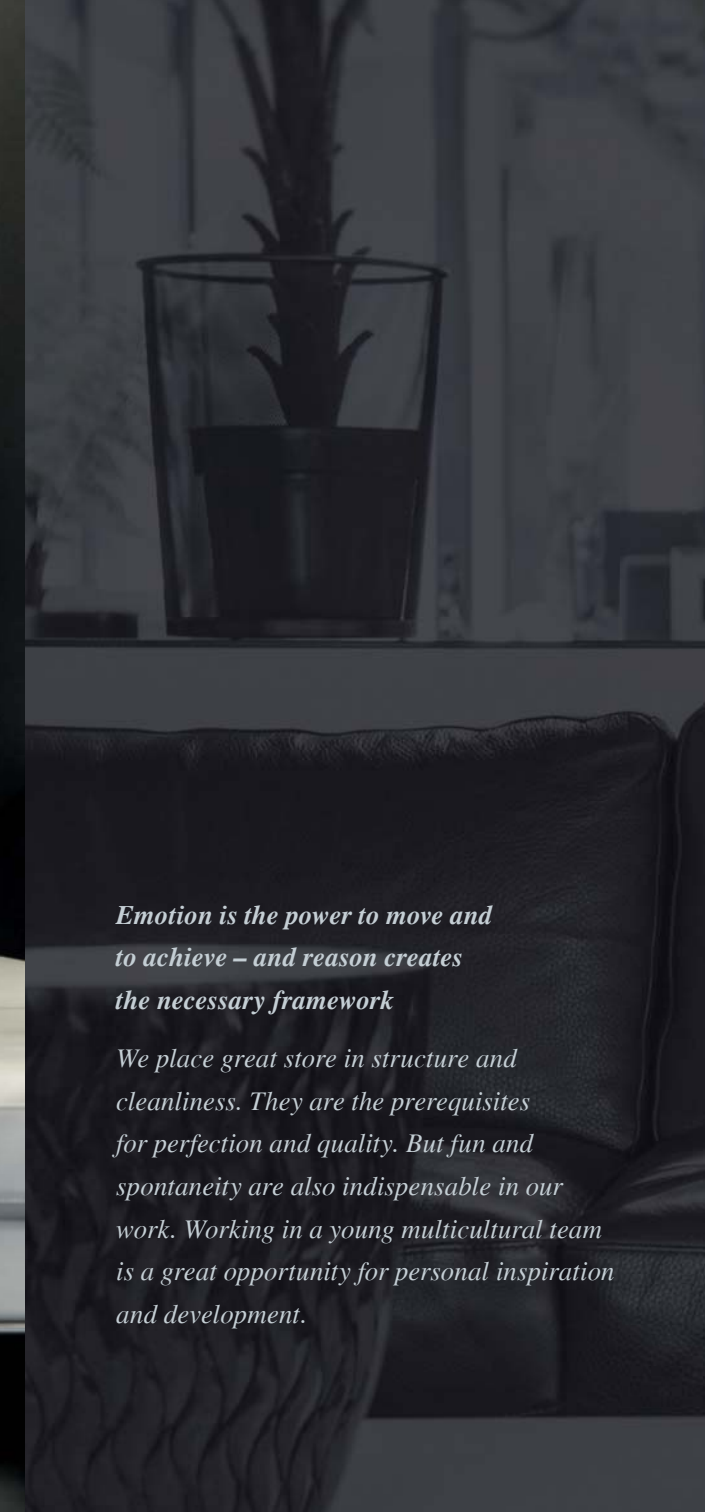


Perfection through perseverance

Perfection is our most important goal. Every day we renew our fight against routine and inattention, dedicated to coming a little closer to the vision of perfection. Standardised production processes, accuracy and precision are our tools, and our commitment to quality is our driving force.



*We take responsibility for everything
We will never surrender control of our
products to others. We develop and produce
almost everything ourselves. Being the sole
process owners, we know our materials and
we can ensure they form a perfect match.
In this way, we take responsibility for the
quality of our products and can react very
quickly to our customer's needs.*



Emotion is the power to move and to achieve – and reason creates the necessary framework

We place great store in structure and cleanliness. They are the prerequisites for perfection and quality. But fun and spontaneity are also indispensable in our work. Working in a young multicultural team is a great opportunity for personal inspiration and development.



Reliability – together, step by step

We want to help our customers stand out, and we are 100% on their side on their path to perfection. Our international support team is available five days a week to assist our clients not only with any technical questions about our products, but also with any general questions in the realm of dental technology. Throughout Europe, we can deliver consumables within 24–48 hours. With “Die Zirkonzahn Schule” (the Zirkonzahn School), we offer a holistic training approach based on the attendee’s individual level of development and frees unused potential.



We give our best ...

In the Research Center for Dental Applications, which is part of the Julian Steger Dental Laboratory in Brunico, we focus on gaining and perfecting a solid knowledge base for the elaboration of different dental materials.



... to make our clients the best!

To gain new experiences and create new knowledge for our clients, we do research and run our own experiments, we analyse and use our products even in non-dental technology related fields and collaborate with well-known universities and research institutes of different countries.



Experienced hands need good tools, the right tools, to create perfection.



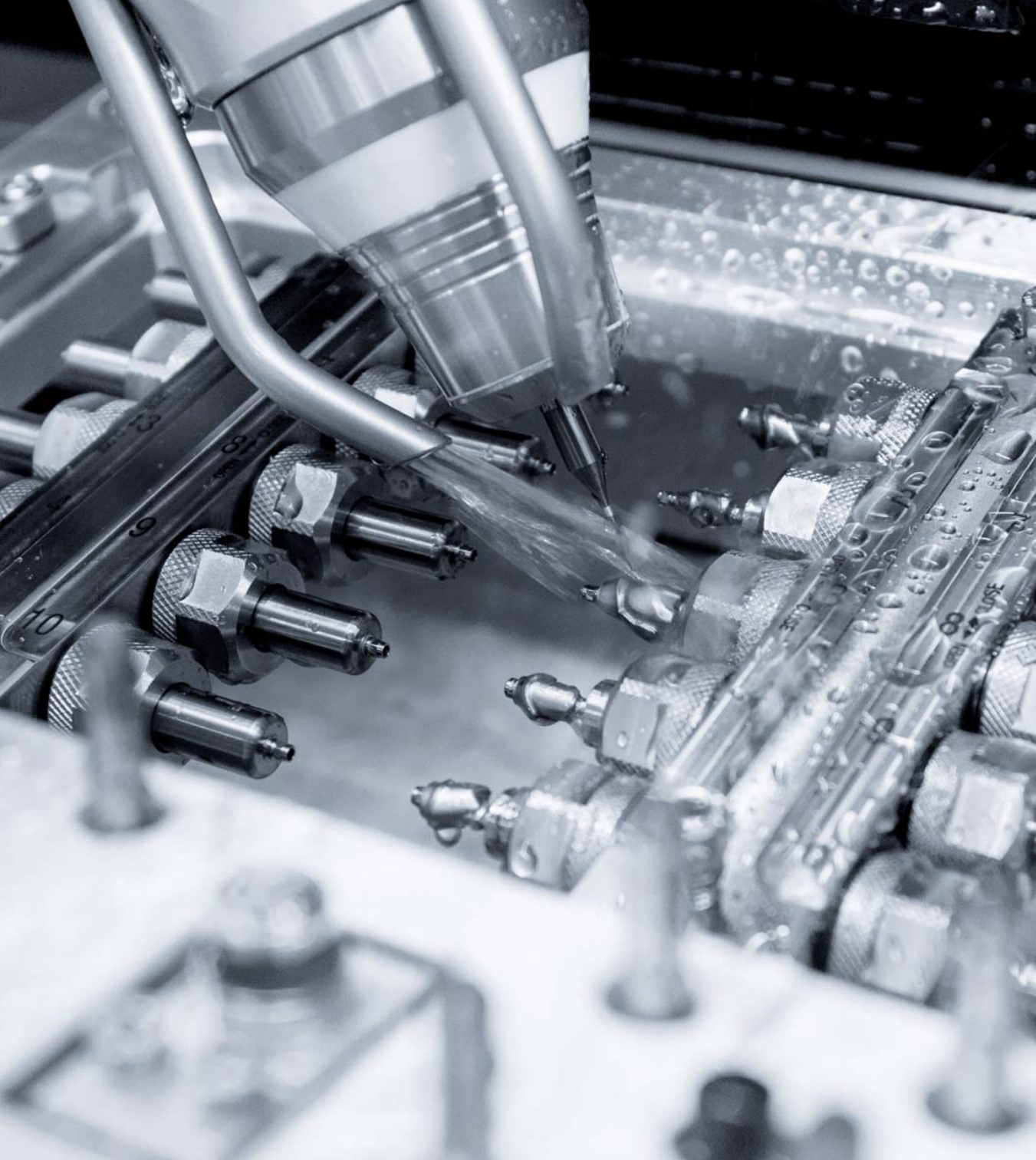
OUR PRODUCTS

100% HOME-MADE FOR A SMOOTH, INDIVIDUAL AND RELIABLE WORKFLOW

As our laboratory does not operate under any economic constraints, we can work freely, devoting much time to the most sophisticated techniques and committed to find the best solutions to make our clients shine among competitors. Technicians ourselves, we know how important it is to work with a smooth workflow, where all hardware, software, tools and materials fit together according to high quality standards and a perfect logic. We develop our hardware and related software

in our Research & Development team, according to the dental technician's perspective. For the nature-like characterisation of restorations, we developed special staining techniques and liquids. We produce milling and grinding tools for the milling systems ourselves, creating any tool geometry and make quick and flexible adjustments. We constantly try to find smart solutions to create a reliable planning and working environment.





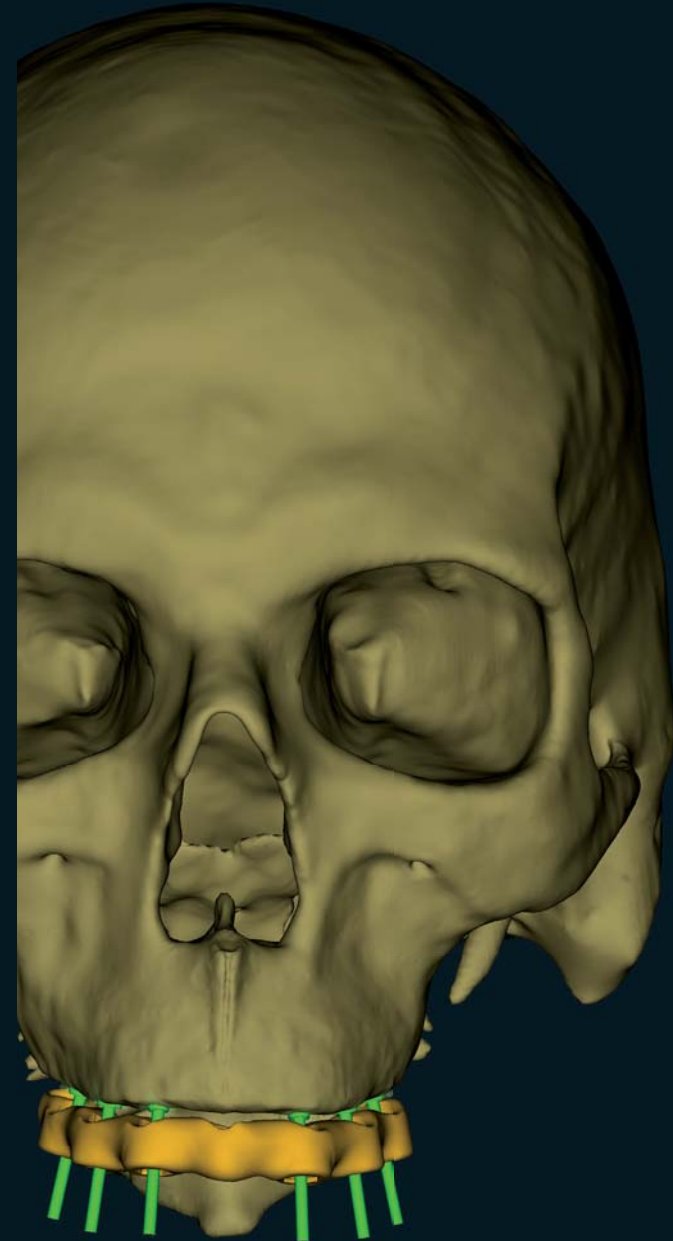
We deliver all shades and meet all preferences

We know the needs of dental laboratories and we try our best to design complex technological processes as much transparent and comprehensive as possible, to guarantee the greatest freedom of choice and processing. Our range of milling units, with customisable design, offers the right device for every need – from the Compact Line to the all-round milling units. Our workflow has been conceived to be carried out in a complete digital manner or to be integrated with analogue working steps, so that any laboratory can work according to their preferred working methods.

DIGITALISATION: THE PATH TO QUALITY AND PERFECTION

Technical progress constantly brings forth new components, which we integrate in the work process for producing dental restorations. From patient data acquisition, implant planning and model milling, to the restoration design and elaboration, we developed

a complete digital workflow. Safer planning and precision, predictable and reproducible results as well as higher flexibility are the benefits we want to bring to our clients, enhancing their collaboration with dental practices.





For the good of the patient

The digitalisation of the single working steps does not only increase the productivity, it also represents another step towards a holistic approach in dental technology. In collaboration with MDT Udo Plaster, we developed the PlaneSystem®: a patient-data acquisition method to identify the patient's natural head position and individual occlusal plane regardless of physical asymmetries. All acquired data can be transferred 1:1 in the correct position into our software and matched with the patient's 3D facial scans – to work in a realistic and flexible manner on the always-accessible virtual patient and to manufacture 100% customised and predictable restorations matching dentists' and patients' requirements.

OUR MATERIALS

Dental masterpieces rely not only on the accuracy of hardware and software, but also on the naturalness of the restoration – in terms of function as well as aesthetics. Just as carpenters carefully choose the best wood for the job, matching shades, textures and other properties, dental technicians must choose the most

suitable material for the best possible patient solution. The right material is the basis for restorative success: together with different zirconia materials, we also offer titanium, cobalt-chrome alloy, sinter metal, resins and wax.





High quality and reliability are by no means a small matter!

We focus all our efforts on quality, perfection, precision and clever solutions at a fair price. Our global presence and high quality criteria ensure that our products meet international quality standards and guidelines. Zirkonzahn has been certified for many years under MDSAP ISO 13485 and ISO 9001. Besides this, in addition to the legally prescribed warranty obligation, we voluntarily grant up to 30 years warranty on all Zirkonzahn implant abutments used, and within the current Zirkonzahn warranty regulation, we explicitly include also implants from other manufactures used with Zirkonzahn implant abutments.

OUR PRETTAU® ZIRCONIA LINE

Prettau® – a name deeply connected to our South Tyrolean homeland. Without zirconia there would be no Zirkonzahn. Strongly convinced of the base properties of this material, I decided to make the best of it for us dental technicians. To achieve that, much more was necessary than initially thought – premium raw materials, expensive manufacturing and cleaning

processes, colouring concepts, processing tools, milling strategies – once manual and now digital, sintering furnaces and consistently new solutions. But we never gave up. We studied everything to the final detail and assembled the necessary puzzle that is Prettau® zirconia. Zirconia is and remains our passion – and our pride!





Not all zirconia is equal

The pureness of Prettau® zirconia is a certainty: in our production sites in South Tyrol, we have full control of the production process. We are persistently pushing the path of our Prettau® zirconia towards monolithic design, providing our Prettau® blanks with different flexural strength and translucency levels according to the restoration needed. Our latest Prettau® Dispersive® materials feature a natural colour gradient evenly distributed for a dispersive effect, already during the manufacturing process. With the new Prettau® 3 Dispersive® zirconia we have now developed a material with a triple gradient, introducing the concept of Gradual-Triplex-Technology: in addition to the colour, also translucency and flexural strength levels change.



We have consciously and consistently studied numerous topics within philosophy and ethics. Sharing the values we have developed is our mission. We want to teach a culture of sophisticated craftsmanship with a fine sense for detail. We will bring you into a world of beauty and make you a master of your trade, since skilful hands and common sense create valuable things that serve us all. We want to encourage other people to do the same and for this reason we have developed an extraordinary educational programme.



OUR MISSION

“DIE ZIRKONZAHN SCHULE” – OUR EDUCATION CENTERS

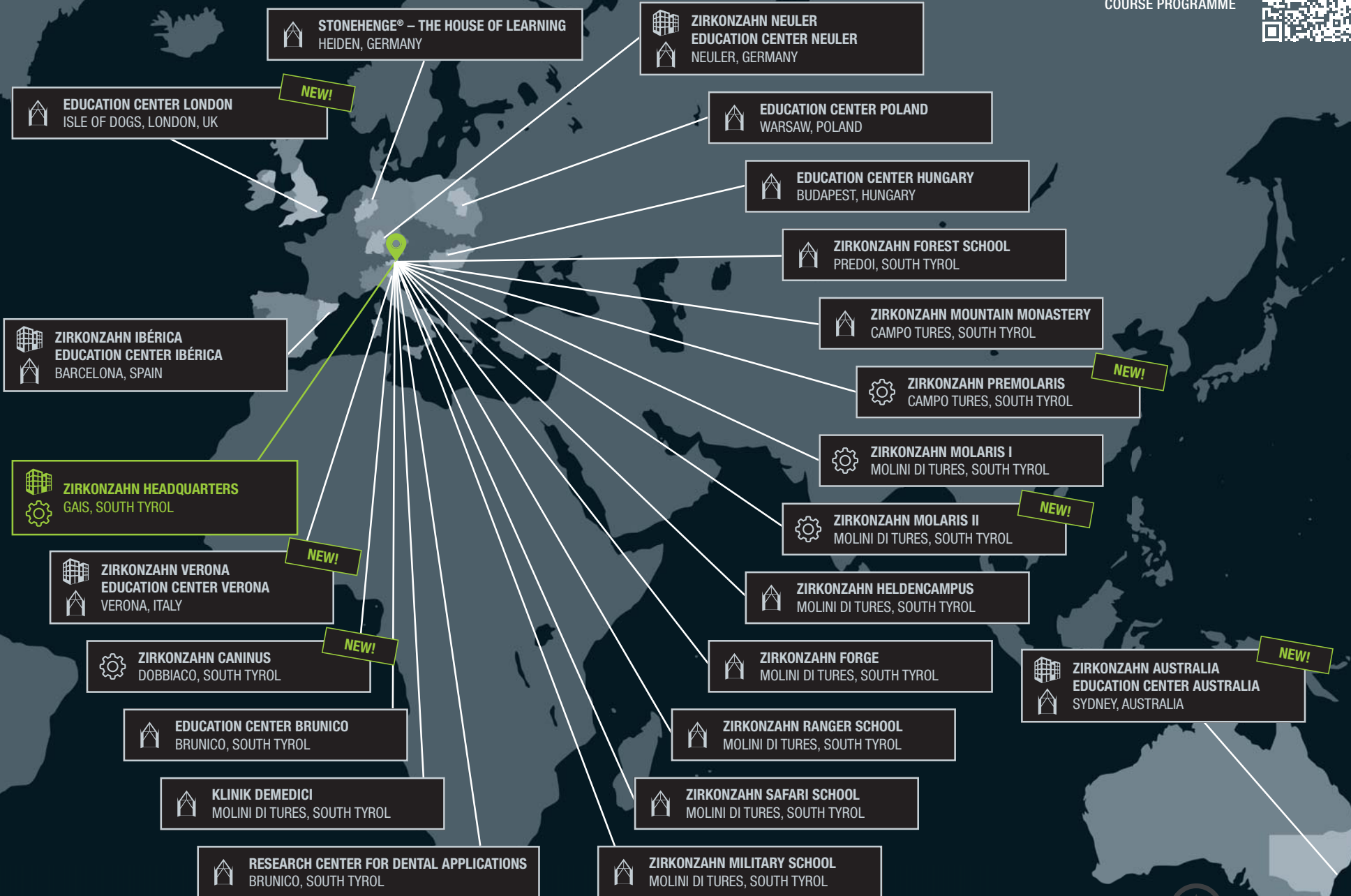


Because we love what we do, it is a matter of heart to pass on what we know. For this reason, we have built Education Centers all around the world where we can train our clients. Our best students are trained to become teachers and pass on our knowledge and

technical skills. Our aim: helping our clients to be one step ahead of their competitors and sharing with them our ideas and solutions, giving an innovative edge that will deeply impresses.



MORE INFORMATION ON OUR
COURSE PROGRAMME



THE VALLEY

ZIRKONZAHN.Scientific

IMPLANTOLOGY

MICROPRECISION

PROTOCOLS

MACHINERY

TOOL DEVELOPMENT

SCAN TECHNOLOGY

MATERIAL SCIENCE

SOFTWARE SOLUTIONS

OF KNOWLEDGE

DIE ZIRKONZAHN SCHULE (THE ZIRKONZAHN SCHOOL)



MILITARY
SCHOOL
BY ENRICO STEGER



RANGER
SCHOOL
BY ENRICO STEGER



SAFARI
SCHOOL
BY ENRICO STEGER



FOREST
SCHOOL
BY ENRICO STEGER



MOUNTAIN
MONASTERY
BY ENRICO STEGER



HELDEN
CAMPUS
BY ENRICO STEGER



PALAIS
VERDI
BY ENRICO STEGER



THE
FORGE
BY ENRICO STEGER

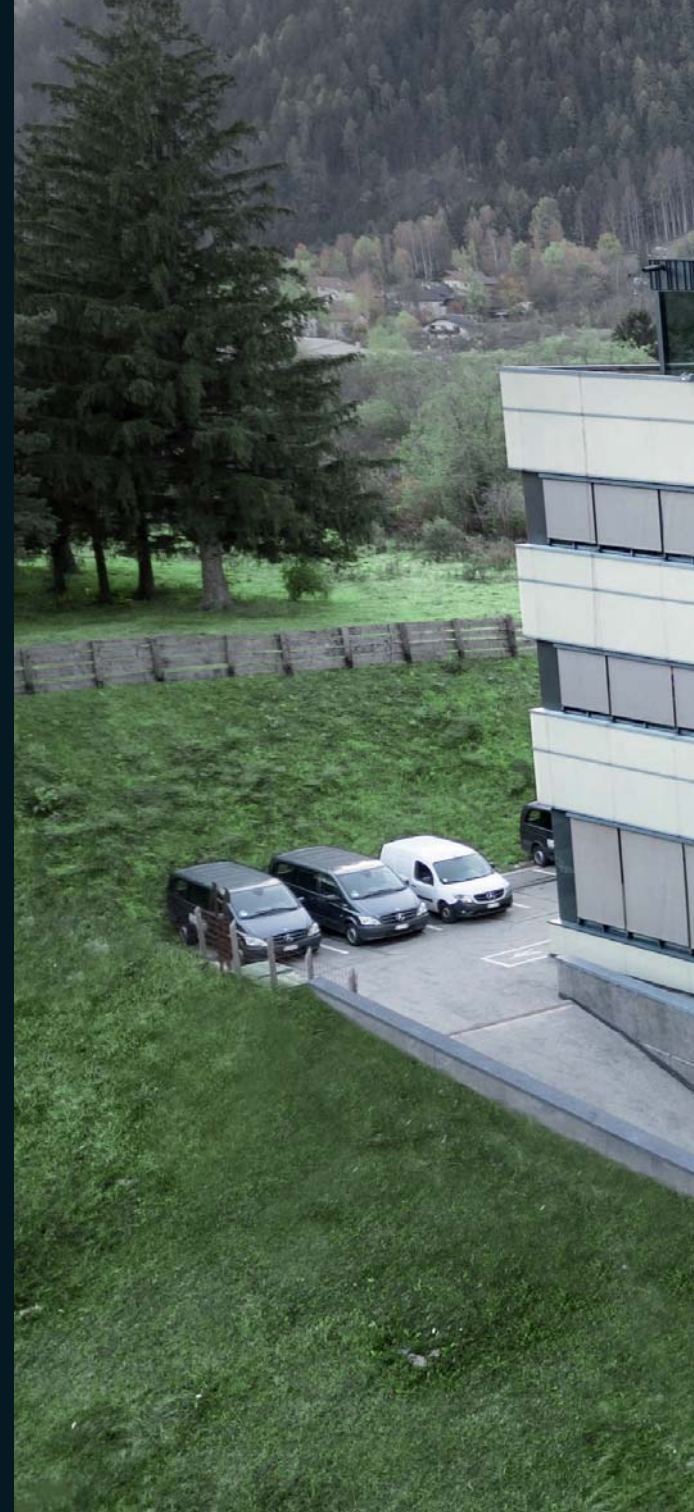


KLINIK
DeMEDICI
BY ENRICO STEGER

ZIRKONZAHN WORLDWIDE INCISIVUS GAIS, SOUTH TYROL

At our Zirkonzahn headquarters in Gais (South Tyrol, Italy), we take care of all tasks: from research and development, to customer support for technical and

dental technical issues, through product sale. Here, we also have our in-house zirconia and metal production.





ZIRKONZAHN MOLARIS I MOLINI DI TURES, SOUTH TYROL

In our production site Zirkonzahn Molaris I in Molini di Tures (South Tyrol, Italy), we have a versatile professional CNC machinery with turning, grinding and coating systems. Here, highly accurate techniques

are used to produce implant prosthetic components (titanium bases, Raw-Abutments®, etc.), milling burs and machine parts.





MOLARIS

ZIRKONZAHN MOLARIS II MOLINI DI TURES, SOUTH TYROL

Our production site Zirkonzahn Molaris II, is provided with accurate injection moulding machines for manufacturing different resin types, whose quality is constantly checked with high precision.

An entire section is also dedicated to the sinter metal production: cobalt-chrome blanks (non-precious metal) are highly pre-compressed and slightly sintered.





ZIRKONZAHN PREMOLARIS CAMPO TURES, SOUTH TYROL

In our Zirkonzahn Premolaris in Campo Tures (South Tyrol, Italy), milling units, scanners and furnaces are assembled, calibrated and fine-tuned according to standardised production processes.

Built in 2021, this production site is also dedicated to the surface treatment of implant prosthetics components, machine testing and product customisation.





NEW! ZIRKONZAHN CANINUS DOBBIACO, SOUTH TYROL

Our new production site Zirkonzahn Caninus is located in Dobbiaco, in the heart of the Dolomites, and was specifically built to broaden our Prettau® zirconia

production – no coincidence, it’s “Zirconia from the Dolomites!”





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ZIRKONZAHN HELDENCAMPUS MOLINI DI TURES, SOUTH TYROL

The Heldencampus (Heroes' Campus) follows the principle of medial and social asceticism and is governed by strict rules. During the Heldencampus, the basic disciplines of the dental technology are rekindled,

virtues are reawakened, potentials are discovered – and there is plenty of highly concentrated hard work without distraction. Participation in Heldencampus is strictly limited and occurs exclusively by personal invitation.





ZIRKONZAHN RANGER SCHOOL MOLINI DI TURES, SOUTH TYROL

The Ranger School prepares young dental technicians for the future work in the dental laboratory. Based on latest technologies, a well-founded dental technical school is held and enriched with cultural and life

teachings. Thinking and development processes are stimulated and fostered by strict rules, strict guidelines as well as the uncompromising life in community.





ZIRKONZAHN MILITARY SCHOOL MOLINI DI TURES, SOUTH TYROL

The Military School will make the “young guns” test their limits. On a strict time and activity schedule, attendees not only get a sound dental education –

they will also learn virtues such as diligence, loyalty, integrity, humility, temperance, courage, justice, patience, simplicity and modesty.





ZIRKONZAHN SAFARI SCHOOL MOLINI DI TURES, SOUTH TYROL

In the Safari School, the digital registration of patient cases by means of the Face Hunter 3D facial scanner and the PlaneSystem® is integrated into the digital workflow for the production of dental restorations, and explained from scratch. Furthermore, ceramic layering techniques will be refined and the

elaboration of Prettau® 4 Anterior® front teeth will be taught. The group will face the challenges of the course as a whole. The participants will do morning sports and other different group activities together. The accommodation will be extravagant and spartan.





ZIRKONZAHN FOREST SCHOOL PREDOI, SOUTH TYROL

The Forest School is a farmhouse within a mystical forest. The participants live and learn together, always in close connection to nature. They are self-sufficient. The dental technical teaching follows the example of

craftsmanship. We teach manual working techniques and digital technologies. The learned content is individually realised under practical guidance.





ZIRKONZAHN MOUNTAIN MONASTERY CAMPO TURES, SOUTH TYROL

The mystical atmosphere of the Mountain Monastery brings out the best in people and unlocks their hidden talents. This unique place gives the opportunity to look inside oneself: in the contemplative silence, thoughts are the only distraction granted.

In a constant face-to-face with one's own energies, thoughts come together in what a person really desires, providing mental access to unusual solutions.





THE FORGE MOLINI DI TURES, SOUTH TYROL

The Zirkonzahn School goes far beyond the notions, the technical skills and the trainings it offers. Its aim is to forge heroes of dental technology: the Forge is the place where it all begins. Dentists and dental technicians are encouraged to focus on their objectives.

Ancient values and wisdom are restored, to find groundbreaking applications in the modern world. With the power of reason, and the strength of our personal skills, we will be fostering innovation.





KLINIK DEMEDICI MOLINI DI TURES, ALTO ADIGE

An accurately crafted restoration may please the eye of the proud dental technician. However, whether it does justice to its actual purpose and develops the desired aesthetic and function is solely defined in one place, the place where it will be used: the patient's mouth.

The premises of Zirkonzahn Klinik are therefore entirely dedicated to patient care. With experienced dentists we train our dental technical solutions on real patient cases and verify our creations directly in-situ.





EDUCATION CENTER BRUNICO BRUNICO, SOUTH TYROL

The Education Center Brunico is constantly frequented by knowledge-seekers who are enthusiastic to learn and dedicate themselves with diligence to practical cases. The Center is equipped with most recent Zirkonzahn devices and offers the best conditions to benefit from training courses in an exclusive setting.

Our qualified dental technicians train participants on the usage of equipment, software and materials with no knowledge gaps. The Center is the headquarters of all Zirkonzahn Education training centres worldwide: the entire course programme offered in different languages starts from this location.





STEGER DENTAL LABORATORY BRUNICO, SOUTH TYROL

In Steger Dental Laboratory, we closely study dental materials and test them to the limits and beyond in order to improve their properties. This gives us the opportunity to receive a direct feedback of the products in the whole workflow.

We pass on our experience in numerous advanced training courses, conceived here and oriented towards new, innovative education concepts – made by dental technicians for dental technicians.







Just like painters, dental technicians create unique masterpieces with their hands. Passionate artists will never call any of their work perfect. Nevertheless, they will renew their quest for perfection in each new work they embark on. Through this self-imposed challenge they continuously refine their art.

OUR PASSION







Some people develop special abilities because they have a great power of thought. Their constant desire for something new leads them to transcend boundaries with tireless passion. Their iron will generates new knowledge and special skills that lead to great achievements. We are not entitled to anything. We have to apply ourselves and fight for everything.









ZIRCONIA FROM THE DOLOMITES

PRETTAU® – THE MOST EXPENSIVE. FOR THE CLIENTS YOU VALUE.

MY CRAFT. MY HOMETLAND.

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