We believe in partnering with you so you can operate a more profitable laboratory. Rely on us to provide the latest technology, innovative materials, services, and support enabling you to succeed in the rapidly changing dental market. We guarantee to be there, from start to finish.
Our Go Digital Guide is a brief overview of Zahn Dental’s offerings for each step along the digital process.

We are proud to bring you the most innovative equipment, high-quality materials, and support services that will enable you to remain at the forefront of the digital landscape.

For a full list of digital materials and equipment, please contact your Zahn Sales Consultant.

Digital Dentistry is the way forward. Zahn Dental is with you *from start to finish*.
TOGETHER WE ENTER THE DIGITAL WORLD...

Novux®, the full service CAD/CAM system, helps dental technicians to innovate and digitize.

With a comprehensive package of technology and solutions, The Novux® System is your perfect CAD/CAM solution.
Integrated Digital Solutions

nx100 | Scanning

» Fully automatic, compact strip light scanner
» Articulated models can be scanned in relation to the articulator, then downloaded into the CAD software for the automatic fabrication of fully anatomical frameworks
» Bite registration, situation model, gingiva, and wax-up possible for optimal framework fabrication
» Automatic user-guidance for easy and safe operation
» The scanner comes with an open interface, scans (stl-files) can also be downloaded onto other CAD software
» Large measuring field provides high precision and quick scan times

nxMill4 | Milling

» Intelligent 4-axis technology for the processing of 98.5mm materials
» Highly precise and fast processing of all dry millable materials for a wide range of indications
» The construction of the machine and components used ensure top precision, stable processing quality, and process reliability
» High Definition (HD) milling mode creates finely contoured fissures without reworking
» Can be used with open CAD/CAM systems
» Capable of milling Zirlux® and other zirconia, Zirlux® Acetal, wax, PMMA, PEEK, and nano-ceramics

nxMill5 | Milling

» 5-axis wet and dry milling unit
» Compact design for minimum space requirements
» Modular and upgradable with other material blank holders (e.g. for processing glass ceramic)
» “Speed boost” milling strategies for high productivity
» Tool holder with automatic tool changer
» Automatic tool length measurement and broken tool detection
» Can be used with open CAD/CAM systems
» Capable of milling Zirlux® and other zirconia, Zirlux® Acetal, wax, lithium silicate, PMMA, PEEK, nano-ceramics, and titanium and other non-precious metals
4 nxs-PLUS | SINTERING

» Programmable furnace and fully adaptable for Zirlux® Zirconia and all Zirconia materials on the market
» Simultaneous sintering of up to 80 restorations and features two sintering trays
» The firing chamber is lined with superior insulating material and the chamber opening is sealed by a smooth moving mechanical lift
» Customize your cycle with a positive and negative temperature ramp
» Single phase electrical supply for low wattage consumption

5 nxM-Therm | SINTERING

» System guarantees a constant high quality metal restoration
» Actively cools after sintering
» Easy operation using touch-screen technology
» Minimal shielding gas consumption
» Perfect shielding gas flushing at the sinter framework
The Novux® 3D printers were specifically developed to generate the fastest and most accurate 3D printed results in the market. The Novux® 3D printers use a unique Force Feedback System which ensures that the building platform constantly calculates traction on the layer to be polymerized and therefore achieves the optimal printing speed at all times. These printers enable laboratories to print custom trays, models, drill guides, and temporary crowns and bridges.

» The NX3 print has a platform of 110 x 62mm
» Printing with a minimum layer thickness of 35 microns, a layer thickness of 100 microns, and a speed of 10mm height enables technicians to produce 20 trays in 8 hours.

» The NX4 print has a platform of 110 x 124mm
» Printing with a minimum layer thickness of 35 microns, a layer thickness of 100 microns, and a speed of 10mm height enables technicians to produce 40 trays in 8 hours.

» Revolutionary UV light box, suitable for post-curing 3D printing material
» Allows technicians to easily cure multiple products at once
» 12 UV light bulbs strategically placed inside the box ensure a quick and uniform curing cycle
BETTER AND FASTER RESULTS WITH THE NOVUX® 3D PRINTER

TRAY
Zirlux® 3D Tray - Green - D
Zirlux® 3D Tray - Blue - V
Zirlux® 3D Tray - Pink - V

SURGICAL GUIDE
Zirlux® 3D Guide - D
Zirlux® 3D SG Clear - V

CAD/CAST
Zirlux® 3D Cast - D

MODELS
Zirlux® 3D Model - D
Zirlux® 3D Model - V
Zirlux® 3D Ortho Model - V

TEMPORARY CROWN & BRIDGE
Zirlux® 3D Temp - V

GINGIVA
Zirlux® 3D Gingiva - D

DENTURE RESIN
Zirlux® 3D Denture - D
Zirlux® 3D Base - V

SPLINT
Zirlux® 3D Splint - V

For more information, contact your Zahn Consultant at 800.496.9500
3SHAPE D1000
The D1000 can “see” around dies in the model so that there is no need, in most cases, to remove dies during scanning.
- 4 x 5MP cameras, Blue LED Multi-Line
- Die scan time: 15 seconds
- 3 unit bridge scan time: 40 seconds
- No need for separate die scan

3SHAPE D900L
The NEW D900L brings together RealColor™, high speed, implant bar accuracy and a maximized interior space in a small footprint scanner.
- Scan larger objects, skip bite scans and more
- Four high-res 5MP cameras
- Blue LED
- Perfect for large high volume labs

Let us help you select the scanner and software package that best suits your needs.
3SHAPE D850
Texture scanning and high-res 5MP cameras make the D850 scanner the right solution for medium to large labs that demand the utmost accuracy and detail levels for even advanced indications.
- 2 cameras
- Blue LED
- Single die scan time: 25 seconds
- 3 unit bridge scan time: 75 seconds

3SHAPE D750
The NEW D750 now features a new technology platform combined with a larger interior space and blue LED for reduced scan noise.
- 2 cameras
- Blue LED
- Single die scan time: 25 seconds
- 3 unit bridge scan time: 125 seconds

3SHAPE D500
The D500 provides a cost-efficient solution and an easy entry into CAD/CAM for labs of any size and budget.
- 2 cameras
- Red laser
- Single die scan time: 50 seconds
- 3 unit bridge scan time: 185 seconds

For more information, contact your Zahn Consultant at 800.496.9500
The new iSeries is for direct impression scanning and provides faster turnaround and improved accuracy. It features a powerful onboard computer and five axes of movement.

- Large scanning volume (90mmx90mmx90mm)
- Scan impressions from single preparations to full arch
- Reduces turnaround time
DDX

DDX is built on the foundations of more effective communication, efficient digital file management and collaboration between the doctor and their laboratory.

Features for Your Lab:

• Improve case management
• HIPAA Compliant
• Integrate with leading lab management software

For more information, contact your Zahn Consultant at 800.496.9500
Let us help you select the mill and CAM software package that best suits your needs.

**VHF K5**
This 5-axis milling unit is ideal for dry milling of Zirconia, PMMA, Composites, and Chrome Cobalt. The VHF K5 has 5 simultaneously working axes and a rotation range of up to 35 degrees. This unit counts with the fixing device for blanks with a thickness of up to 40 mm. Equipped with a cast body which is closed on five sides it absorbs vibrations and ensures a high stability of the whole machine. Additional comfort features like an automatic tool changer or a practical accessory drawer make working with K5 quick and efficient.

**VHF CAM5-S1**
VHF’s CAM5-S1 is a 5-axis milling system equipped with a 16-tool automatic changer. The system comes with DentalCAM software that lets users choose their material and import STL files into the open program. Capable of milling 98.5 discs of zirconia, wax, and PMMA.

**VHF CAM5-S2**
VHF’s CAM5-S2 has all of the features of the CAM 5-S1 with the addition of a blank magazine and automatic changer for up to 8 additional blanks allowing the machine to work overnight. Capable of milling 98.5 discs of zirconia, wax, and PMMA.
The new DWX-51D is a 5-axis mill equipped with a 10 station automatic tool changer and an improved rigid frame for superior stability and accuracy. The DWX-51D is compatible with 98.5mm discs and capable of milling zirconia, PMMA, PEEK, composite resin, wax, and gypsum. This versatile mill is also capable of milling up to 9 pin-type blocks simultaneously.

The industry’s most user-friendly desktop dental milling system, the DWX-4W goes beyond dry milling to quickly and easily wet mill popular glass ceramic and composite resins with precision and reliability.

For more information, contact your Zahn Consultant at 800.496.9500

Get the most out of your milling system by using diamond coated burs from Sierra Dental
This sintering furnace produces quality restorations with superb translucency. Its fully adaptable 10 steps include programming of all possible parameters for perfect sintering and compatibility to all types of zirconia.

- Enhances finished product quality
- Customize your cycle with a positive and negative temp ramp
- Single phase electrical supply for low wattage consumption

The compact and user friendly Zircom sintering furnace is designed to sinter a variety of zirconia materials. The unit can process in various ways including normal and quick firing.

- It can sinter 75 units simultaneously by three stackable trays.
- Circulation fan allows even distribution in the heating chamber, which produces consistent final restorations
- Compact size allows for easy set up and space saving
**1 RENFERT SILENT COMPACTCAM**

This dust extractor for dental CAM units has bidirectional communication between the extractor and CAM unit thanks to the SPS interface

- No need to exchange the dust bag as extraction takes place without a filter bag
- Process-optimized suction level matching the CAD/CAM unit

**2 QUATRO IVAC CADCAM**

An automatic dust collector for every mill.

- Intelligent, automatic operation with no-touch filter cleaning
- HEPA filter ensures maximum efficiency on submicron zirconia particles
- Automatic speed increase as pressure rises
- Extremely quiet operation

iVAC TWIN CADCAM unit available for higher production needs.

For more information, contact your Zahn Consultant at 800.496.9500
BEGO, a pioneer in the field of rapid prototyping, is the first dental provider of a self-developed 3D printer for dental labs, allowing the in-house production of diverse dental applications (e.g. surgical guides, CAD/Cast partial dentures, splints, and individual impression trays). BEGO’s VARSEO stands for variety, speed, efficiency and optimization for dental needs.

Features and Benefits:
• Up to 8 types of polymers offer a high flexibility
• Innovative cartridge system allows:
  – an easy handling
  – a material change within 30 seconds
  – a low consumption of materials
• No aging of the resin through closed cartridges
• Ingenious ejector system to minimize distortion
• Best-in-class building speed (20 mm/h at 50 µm, 40 mm/h at 100 µm – independent of the number of items)
Place the industry’s widest range of services and breadth of millable materials at your fingertips when you partner with Custom Milling Center. CMC’s innovative modular workflow and split-file capabilities adapt to your needs, allowing you to outsource only what you need, when you need it. With 24-hour turn times and complimentary standard overnight shipping on most cases, CMC is the industry’s premier outsourcing provider offering continuous and reliable support.

ZIRLUX® ZIRCONIA

Zirlux® Zirconia discs are highly translucent, highly aesthetic pre-shaded zirconia material that have applications in every all-ceramic indication. This unique system is available in various sizes and thicknesses, making it compatible with the finest milling system on the market. It’s occlusal surface provides less abrasion and wear against opposing dentition than traditional restorations. Zirlux® zirconia provides strong, aesthetic, consistent restorations that allow you to manage virtually every all-ceramic indication required of today’s dental laboratory.
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zirlux FC2</td>
<td>Universal zirconia system consisting of five pre-shaded discs, layering ceramics and a dedicated stain and glaze system to ensure precise shade matching.</td>
</tr>
<tr>
<td>Zirlux 16+</td>
<td>Comprehensive zirconia solution including both 16 pre-shaded VITA* classical shades, 3 bleach shades and white discs. This system also includes coloring liquids for individualized characterization.</td>
</tr>
<tr>
<td>Zirlux Temp Multi</td>
<td>Multi-layered PMMA discs available in five shades, used to produce aesthetic and cost-effective temporary restorations.</td>
</tr>
<tr>
<td>Zirlux Temp</td>
<td>Pre-Shaded PMMA discs available in all 16 VITA* classical shades for producing temporary restorations.</td>
</tr>
<tr>
<td>Zirlux Acetal</td>
<td>Millable acetal resin available in five shades allowing laboratories to reduce processing time by eliminating labor intensive metal investing and casting processes in the workflow process.</td>
</tr>
<tr>
<td>Zirlux Wax</td>
<td>Millable wax that burns without residue. Available in multiple shades for producing diagnostic presentations, casting and pressing for copings, and full contour restorations.</td>
</tr>
<tr>
<td>Zirlux NP</td>
<td>Nickel and Beryllium-free, non-precious cobalt-based dental milling alloy.</td>
</tr>
<tr>
<td>Zirlux Ti</td>
<td>Titanium grade material for precision-milling. The corrosion-resistant material provides durability and distortion-free fabrication.</td>
</tr>
<tr>
<td>Zirlux</td>
<td>Comprehensive implant solution consisting of CAD libraries, scan abutments, titanium abutments, analogs, screws, and more.</td>
</tr>
</tbody>
</table>

*VITA is a registered trademark of Vita Zahnfabrik.
BruxZir® Milling Blanks are used for the production of full-contour zirconia crowns, bridges, and implant crowns. Made from the highest quality zirconia powder, which is chemically and physically reprocessed to further reduce zirconia particle size and then shaped through a unique patent-pending process, BruxZir Milling Blanks produce a final restoration that exhibits maximum strength and translucent pearlescence.
Zirconia Materials

Katana™ multi-layered zirconia is designed to achieve superior results for anterior crowns and veneer restorations.

- Katana™ STML (Super Translucent Multi-Layered): Dual multi-layered zirconia with gradation of color and translucency. Ideal for anterior or posterior crown restorations.

For more information, contact your Zahn Consultant at 800.496.9500
From installation to upgrades, our North American Technical Support Team was created to serve you better, as technology integration becomes an important focus in today’s laboratory industry. We are comprised of experts in CAD/CAM technology and highly trained to help you achieve your professional goals.

You can rely on our technical support team to provide you with:

• Quick Response Troubleshooting and Support
• In-House Servicing
• Loaners and Back-Up Production Solutions
• Tutorials and How-To’s
• Software Updates
• Basic and Advanced CAD/CAM Training
• Milling Strategies and Optimization

Let us help you navigate the digital workflow from start to finish.

Call us TODAY!

1-877-496-3967

E-mail: ZahnHighTech@HenrySchein.com
We believe in partnering with you so you can operate a more profitable laboratory. Rely on us to provide the latest technology, innovative materials, services, and support enabling you to succeed in the rapidly changing dental market.

We guarantee to be there, from start to finish.