TOGETHER WE ENTER THE DIGITAL WORLD

Exclusively Available from ZAHN DENTAL
TOGETHER WE ENTER THE DIGITAL WORLD.

Digital dentistry is transforming the dental industry with increased productivity and integrated digital solutions. Novux® delivers a comprehensive package of CAD/CAM equipment from scanners to 3-D printers that enables technicians to innovate and digitize.

CAD/CAM TECHNOLOGY HAS BECOME AN INTEGRAL AND INDISPENSABLE PART OF THE MODERN DENTAL LABORATORY.
Exclusively Available from
ZAHN DENTAL
SHAPE 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

For more information, contact your Zahn Consultant at 800.496.9500

NOVUX® NX100

The Novux® NX100 stands for a high degree of operating comfort and high-resolution scan data, which are created using strip light projection. Highly sensitive 3D sensors provide a precise image of the model and a particularly large measuring field enables quick, efficient scanning of dental stone models using only 2 axes, which greatly reduces scan times.

The Novux® NX100 has an open interface, so that scans (STL files) can also be loaded in other CAD programs.

The NX100 scanner can be integrated with all of the Novux® digital solutions for a flexible and seamless digital workflow.

Discover your full Novux® solution

www.zahndental.com/novux

Exclusively Available from ZAHN DENTAL
3 SHAPE 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

For more information, contact your Zahn Consultant at 800.496.9500

1 NOVUX® NX100

The Novux® NX100 stands for a high degree of operating comfort and high-resolution scan data, which are created using strip light projection. Highly sensitive 3D sensors provide a precise image of the model and a particularly large measuring field enables quick, efficient scanning of dental stone models using only 2 axes, which greatly reduces scan times.

The Novux® NX100 has an open interface, so that scans (STL files) can also be loaded in other CAD programs.

The NX100 scanner can be integrated with all of the Novux® digital solutions for a flexible and seamless digital workflow.

avanTAGES

» 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

1 NOVUX® NX100

TECHNICAL INFO

Dimensions D/W/H: 415x407x535 mm

Weight: 31 kg

Power supply: 100-240V, 2x1,25A

E-fuse: T 2x1,25A

Output: 80 Watt

Accuracy: <20 μm

Axes: 2

For more information, contact your Zahn Consultant at 800.496.9500
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 For more information, contact your Zahn Consultant at 800.496.9500

NOVUX® NX MILL4
The NX Mill4 is an extremely robust and compact 4-axis dry milling unit for in-house manufacturing of 98.5 mm discs. The NX Mill4 contains 4-axis technology for the processing of undercut areas while producing highly precise and accurate restorations. This compact mill requires minimal space while maintaining maximum stability throughout the milling process. Can be integrated with the entire Novux® digital workflow or as an open CAM system for total flexibility in the dental laboratory.

MILLABLE MATERIAL
- Zirlux® and other Zirconia
- Zirlux® Acetal
- Wax
- PMMA
- PEEK
- Nano-Ceramics

ADVANTAGES
» Intelligent 4-axis technology for the processing of undercut areas
» 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 and reliability
» Minimal upkeep and servicing
» Highly precise and durable SycoTec spindle
» High Definition (HD) milling mode creates finely contoured fissures without reworking
» Can be used with open CAD/CAM systems

TECHNICAL INFO
Dimensions D/W/H: 588 x 516 x 755 mm
Weight: 75 kg
Electrical connected value: 100-230V 50/60 Hz
Electrical fuse: T3,15A / T6,3A
Power output: 250 W
Motor speed: 60,000 rpm
Compressed air: 6 bar / 50 L/min.
Suction: prepared
Torque: 4 Ncm
Chuck diameter: 3 mm
Noise level: 60 dbA
Accuracy: <10 μm
Number of axes: 4
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

For more information, contact your Zahn Consultant at 800.496.9500

MILLABLE MATERIAL
• Zirlux® and other Zirconia
• Zirlux® Acetal
• Wax
• Lithium Silicate
• PMMA
• PEEK
• Nano-Ceramics
• Titanium and Non-Precious Metals

ADVANTAGES
» Compact wet and dry 5-axis milling machine
» 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
» Low maintenance, very precise and extremely robust Jäger spindle
» Automatic tool length measurement and broken tool detection
» Can be used with open CAD/CAM systems
» Future-proof for new indications (e.g. models, full-denture prosthetics, splints)

TEXTECHNICAL INFO
Dimensions D/W/H: 588 x 516 x 755 mm
Weight: 78 kg
Power output: 250 W
Motor speed: 60,000 rpm
Compressed air: 6 bar / 50 L/min.
Suction: prepared
Wet processing: prepared
Torque: 4 Ncm
Chuck diameter: 3 mm
Noise level: 60 dbA
Accuracy: <10 μm
Number of axes: 5

For more information, contact your Zahn Consultant at 800.496.9500

2 NOVUX® NX MILLS

The Novux® NX Mill5 is a 5-axis wet and dry processing machine in one unit. This full-bodied milling machine is available as a modular and upgradable system which enables dental laboratories to manufacture an array of materials while using a single machine. Contains disc/blank holders (e.g. for processing glass ceramic) and comes equipped with an automatic tool changer. The NX Mill5 can be integrated with the entire Novux® digital workflow or as an open CAM system for total flexibility in the dental laboratory.

MILLABLE MATERIAL
• Zirlux® and other Zirconia
• Zirlux® Acetal
• Wax
• Lithium Silicate
• PMMA
• PEEK
• Nano-Ceramics
• Titanium and Non-Precious Metals

2 NOVUX® NX MILLS

The Novux® NX Mill5 is a 5-axis wet and dry processing machine in one unit. This full-bodied milling machine is available as a modular and upgradable system which enables dental laboratories to manufacture an array of materials while using a single machine. Contains disc/blank holders (e.g. for processing glass ceramic) and comes equipped with an automatic tool changer. The NX Mill5 can be integrated with the entire Novux® digital workflow or as an open CAM system for total flexibility in the dental laboratory.

MILLABLE MATERIAL
• Zirlux® and other Zirconia
• Zirlux® Acetal
• Wax
• Lithium Silicate
• PMMA
• PEEK
• Nano-Ceramics
• Titanium and Non-Precious Metals

TECHNICAL INFO
Dimensions D/W/H: 588 x 516 x 755 mm
Weight: 78 kg
Power output: 250 W
Motor speed: 60,000 rpm
Compressed air: 6 bar / 50 L/min.
Suction: prepared
Wet processing: prepared
Torque: 4 Ncm
Chuck diameter: 3 mm
Noise level: 60 dbA
Accuracy: <10 μm
Number of axes: 5

For more information, contact your Zahn Consultant at 800.496.9500
NOVUX® NXS-PLUS

- 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

ADVANTAGES
- Intuitive full color digital display
- Simultaneous sintering of up to 80 restorations
- Two sintering trays
- USB port for fast transfer of program data
- 1-year warranty

TECHNICAL INFO
- Dimensions (WxHxD): 37x75x43cm (14.5”x29.5”x17”)
- Weight: 60 Kg (132 lbs.)
- Display screen: 5.7”
- Cylindrical Firing chamber: Ø 95mm x 140 mm
- Max. temperature: 1800°C (3272°F)
- Max. Sintering temperature: 1650°C (3002°F)
- Number of programs: 250
- Temperature ramp: 1-70°C (34-158°F)
- Programmable steps: 1-10
**NOVUX® NX M-THERM**

The NX M-Therm sintering furnace is an integral part of the Novux system for processing and adapting of metal—ensuring consistent restorations. The system contains a removable sinter chamber which ensures minimal consumption of argon gas and homogeneous, distortion-free sintering of the restorations.

**ADVANTAGES**

- System guarantees a constant high quality of the restoration
- Actively cools after sintering
- Easy operation using touch-screen technology
- Minimal shielding gas consumption
- Perfect shielding gas flushing at the sinter framework

**TECHNICAL INFO**

- Dimensions (DxWxH): 468 x 461 x 480 mm
- Weight: 30 kg
- Electrical connections: V/Hz 220-240/50-60
- Power: 3.5 kW
- Fuse (fast): 12.5 A
- Degree protection – IP20
- Thermal protection class according to DIN EN 60519-2: Class
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

For more information, contact your Zahn Consultant at 800.496.9500

ADVANTAGES
» 110 x 62 mm build platform.
» Produces 20 trays in 8 hours.
» Unique Force Feedback System makes printing up to five times faster.
» DLP technology and LED lights are faster and more accurate than any other 3D printing process.
» Produces a very smooth and solid surface structure.
» Fast and easy material change when needed.
» Limited number of moving parts, resulting in precise printing.

TECHNICAL INFO
Platform NX3 print: 110 x 62 mm
Native pixel: 29 µm
Layer thickness: 35 µm
Max. construction height: 88 mm
Construction speed: up to 43 mm/h
Resolution: HD 1080 x 1920 px

NOVUX® NX 3

The NX3 print was 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.

The NX3 print has a platform of 110 x 62 mm. 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 NX3 print saves time in the production workflow by using stable and energy-efficient LED technology to polymerize materials with pinpoint accuracy and homogenous polymerization.
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

For more information, contact your Zahn Consultant at 800.496.9500

**ADVANTAGES**

- 110 x 62 mm build platform.
- Produces 20 trays in 8 hours.
- Unique Force Feedback System makes printing up to five times faster.
- DLP technology and LED lights are faster and more accurate than any other 3D printing process.
- Produces a very smooth and solid surface structure.
- Fast and easy material change when needed.
- Limited number of moving parts, resulting in precise printing.

**NOVUX® NX 4**

The NX4 print carries the same technology and features as the smaller NX3 Print with double the production capability. The NX4 print has a platform of 110 x 124 mm. 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** and enables laboratories to print custom trays, models, drill guides, and temporary crowns and bridges.

The NX4 print saves time in the production workflow by using stable and energy-efficient LED technology to polymerize materials with pinpoint accuracy and homogenous polymerization.

**TECHNICAL INFO**

- Platform NX4 print: 110 x 124 mm
- Native pixel: 29 µm
- Layer thickness: 35 µm
- Max. construction height: 88 mm
- Construction speed: up to 43 mm/h
- Resolution: HD 1080 x 1920 px
The Novux® 3D Print Box is a revolutionary UV light box, suitable for post-curing 3D printing materials. The Print Box is equipped with 12 UV light bulbs strategically placed to ensure the product is illuminated from all sides, which results in a quick and uniform curing cycle.

ADVANTAGES
- 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

TECHNICAL INFO
- Related voltage: 230 VA, 50/60Hz, 1.26A
- Power consumption: 290 W
- Fuse: T2.0A, AC 250 V
- Dimension: W 41 x D 44 x H 38 cm
- Weight: 22 kg
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 GUIDES
- 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

SPLINTS
- Zirlux® 3D Splint - V

For more information, contact your Zahn Consultant at 800.496.9500
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.