

FIMET

THE ART OF MEDICAL DESIGN

NEO

★ ★ ★
★ **MDR** ★
★ certified ★
★ 2017/745 ★
★ ★ ★



FIMET

NEO

Freedom to design your clinic around your workflow — not your floor.

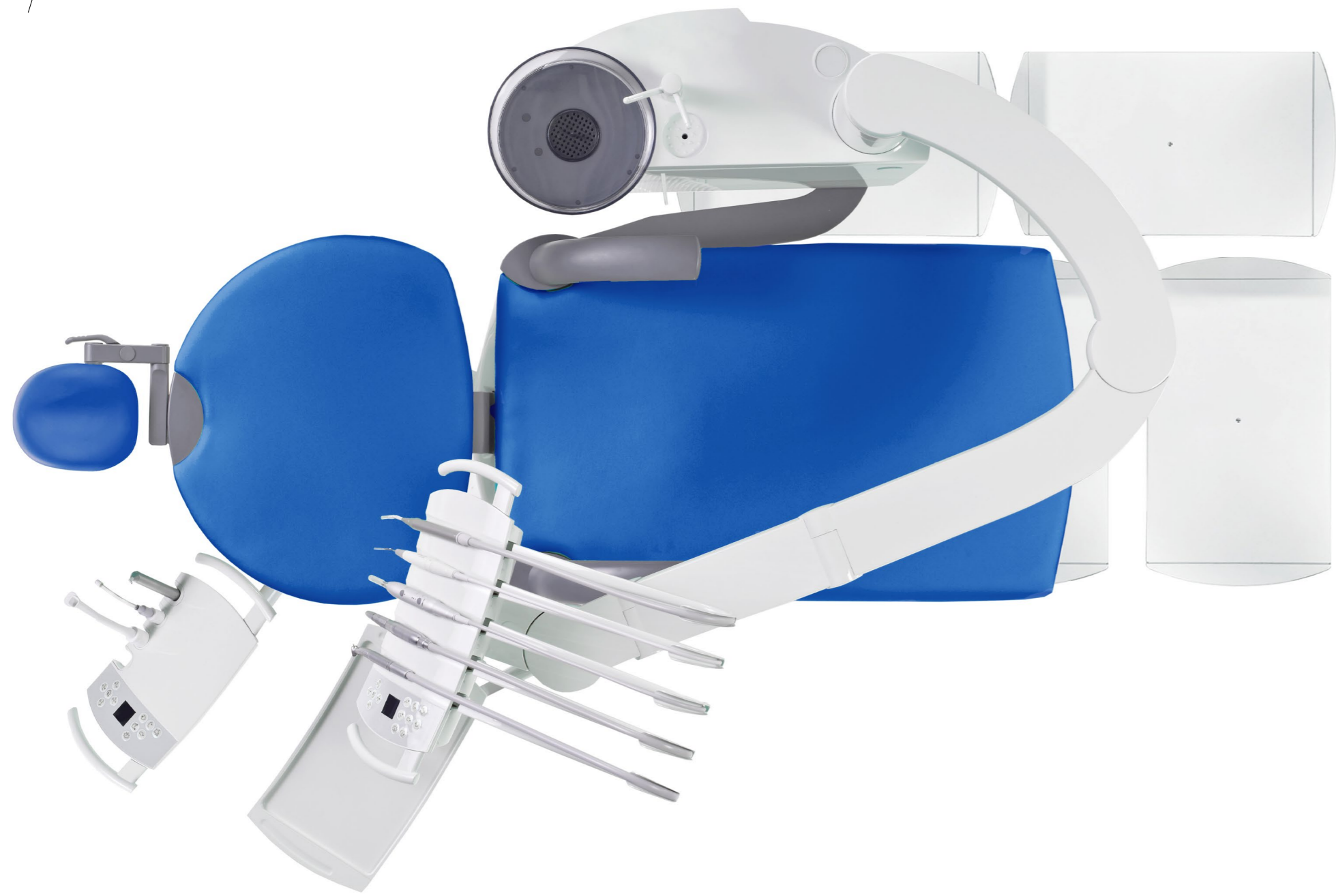
Fimet Neo is built to give you complete flexibility in how your treatment room is designed, used and evolved. With a movable floor box and a fully ergonomic chair system, Neo adapts to your way of working — today and in the future.

Dental professionals choose Neo because it combines reliable Finnish quality with practical, customizable solutions that are easy to use and maintain. It helps create a comfortable experience for patients while supporting better clinical results, smoother workflows, and a professional clinic image.



This brochure includes some optional features that are available for an additional cost.





INSTALL WHERE IT WORKS BEST FOR YOU

Traditional dental units are limited by fixed installation points. Neo is not.

The movable floor box allows you to position the unit freely around the chair — giving you full control over your clinic layout without structural constraints.

Why it matters:

- Design your treatment room without compromise
- Reduce installation and renovation constraints
- Adapt your setup as your needs evolve
- Maximize space efficiency in every room

Neo gives you the freedom to build your workflow first — and place the unit exactly where it supports it best.



Full access from every angle

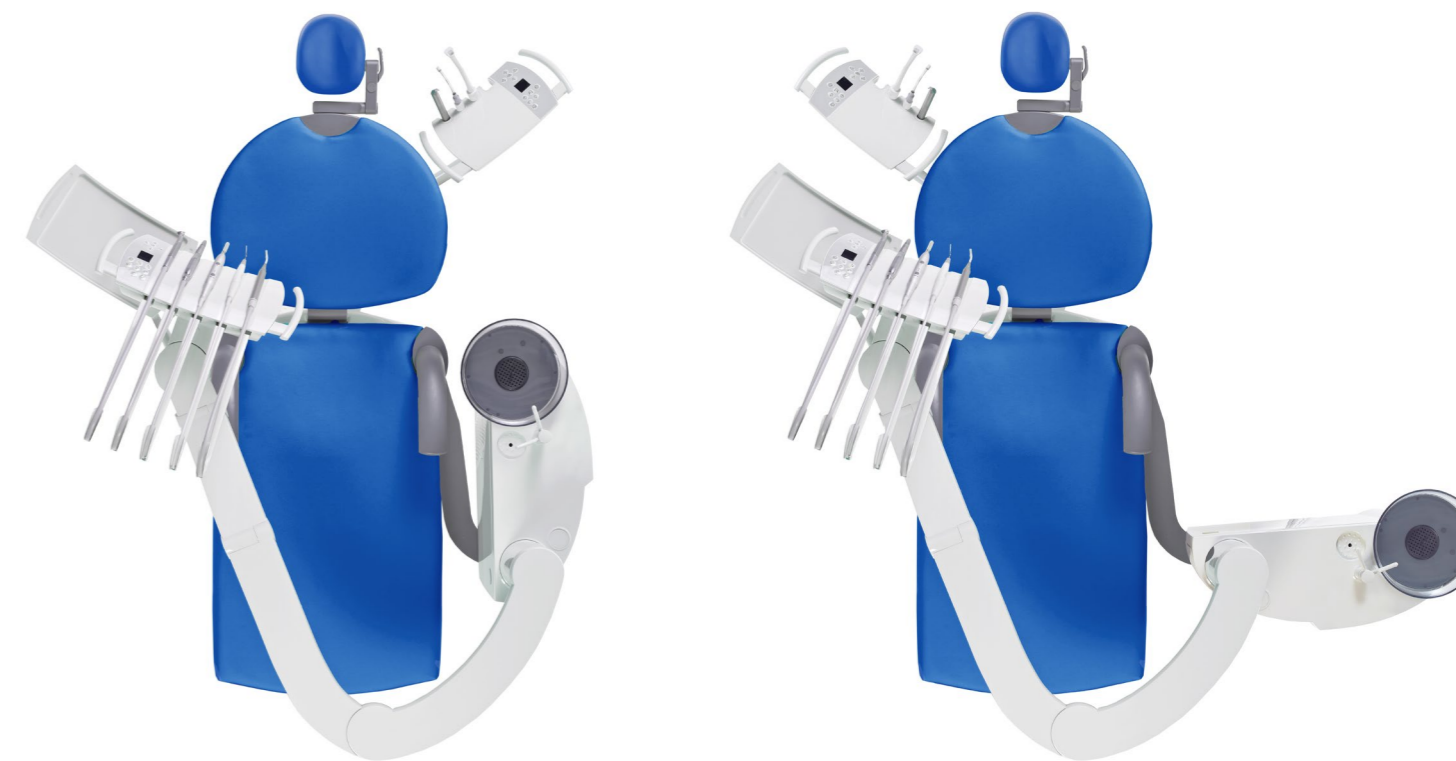
The chair can be smoothly rotated to the side, giving you better access to the patient and allowing you to adapt your working position instantly. This makes it easier to work from different angles, improve cooperation with your assistant and optimize your workflow without repositioning the patient.

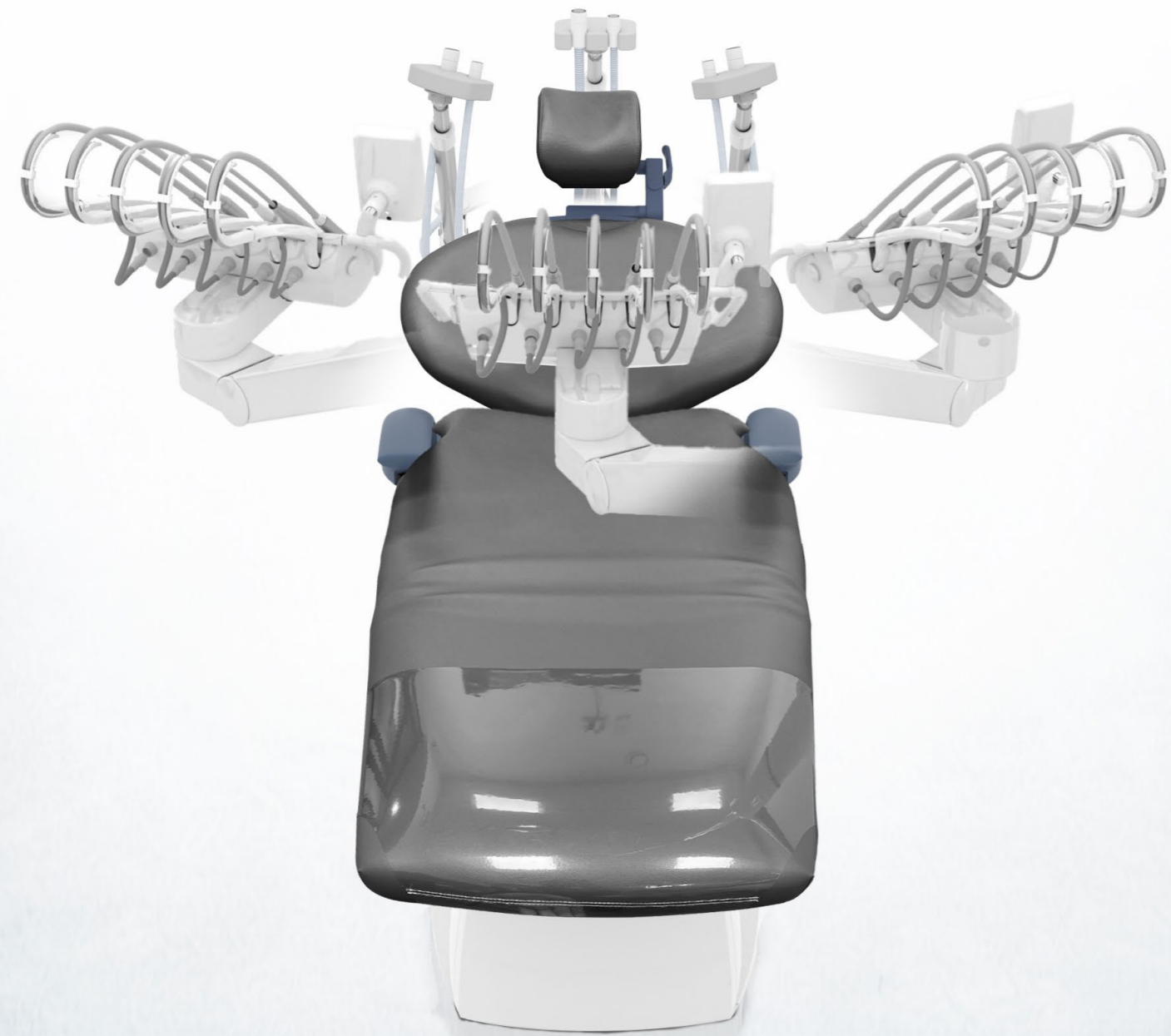
Less reaching. Less repositioning. More focus on the patient.

Because when your equipment adapts to you, your workflow becomes faster, more precise and less physically demanding.

The assistant's arm can be moved from the left to the right side within a few seconds. The same unit can thus be used by right- and left-handed dentists.

The cuspidor unit turns 90 degrees sideways, providing more work space for your assistant.





01 / NEO

DESIGNED AROUND HOW YOU WORK

Neo is engineered to minimize unnecessary movement and support natural working positions throughout the day.

The wide adjustment range, thin backrest and precise headrest positioning allow full access to the treatment area — whether you work sitting or standing.

Built for real clinical work:

- Easy access to the patient from multiple angles
- Smooth, balanced movements with minimal effort
- Ergonomic positioning for both dentist and assistant
- Consistent working positions with programmable presets

TAILORED FOR YOU

With the swing-arm version of the Neo Continental unit you will maintain your full focus in the treatment area as you do not need to look away to reach the instruments.

FLEXIBLE

The instrument console is extremely light and can be equipped with up to five instruments according to your preference. It can be placed close to the patient within easy reach.

FLEXIBILITY AT ITS BEST

The chair mounted assistant's element, with its wide range of movements, is ideal for two- or four-handed dentistry. The suction arm is equipped with high and low volume suction hoses and optional instruments such as syringe, polymerization light and intraoral camera.

SAFE CHOICE

Keep your patients safe. Smooth surfaces and seamless upholsteries make both cleaning and disinfection easy. The product is equipped with safety features in accordance with MDR requirements, ensuring user and patient safety.

COMFORT FOR YOUR PATIENT

The foldable leg rest, multi-adjustable head rest, comfortable upholstery options and many more features of the NEO chair allow you to treat your patients in the best possible way.

COMPACT

Small base means more working space for both the dentist and assistant. Everything is within easy reach.



JUST THE WAY THAT YOU WANT IT

SEE WELL, WORK WELL

It is important that you have good visibility in your patient's treatment area. Choose one of our options and you can be sure of good light quality.

MADE FOR YOU

The instrument arm is extremely light in motion and it can easily be moved with just one hand. The accurate movements are unique to the NEO unit.

QUICK & EASY

The instruments, operating light and chair can be operated and controlled from multiple locations – from user and assistant interface, touch panel, wireless foot control or chair joysticks.



02 / OPTIMAL ERGONOMICS

As the instrument console and the tray holder are placed over the patient's chest, real four-handed dentistry can be performed.

The arm can be easily moved to the assistant's side for cleaning. Your patient can step in and out of the chair even when the arm and the instrument console are moved to the left side.

The multi-functional and wireless NEO foot control (horizontal or vertical) allows you to control instruments, the patient chair and other functions such as operating light and chip-blower.

You will thus be able to focus on your work and minimize cross-contamination as you do not need to touch the instrument console during normal treatments.

The well balanced and non-retractable instrument arms are features you will appreciate in your daily work. You can choose the positions of the instruments according to your preferences and working habits. NEO has a wide choice of quality instruments plus easy-to-clean hoses and whip arms.



THE PATIENT CHAIR

A relaxed patient lets you focus fully on the treatment. A thin backrest allows the care team to get close to the patient. This ergonomic NEO chair perfectly complements the whole.

Different working positions can be individually programmed for multiple users. The chair has an exceptionally wide range of motion of 450-950 mm, which allows you to work both sitting and standing.

The rotating arm rests allow easy access to the chair. These hygienic arm rests are removable.

A special cushion is available for children.

Two joystick foot controls for manual and automatic movements are located in the chair's base. The chair can also be operated from the instrument bridge and from the assistant's element.



INNOVATION AT EVERY ANGLE

Features you will love

FOR YOU AND YOUR PATIENT

The Fimet NEO's modularity eases the workflow for the dentist and assistant. It also makes the treatment more pleasant for the patient. Control the system with a wireless foot control, joystick or user panel.



Height can be adjusted between 45 to 95 cm.



Supports camera and display integration.



Cuspidor rotates 90° sideways.



Small base that fits even the smallest spaces.



Easy to use multifunctional wireless foot control (horizontal or vertical).



Space for 5 instruments on the bridge.



Suction head is adjustable from 3 o'clock to 9 o'clock positions.



Adjustable chair position and instrument speed.



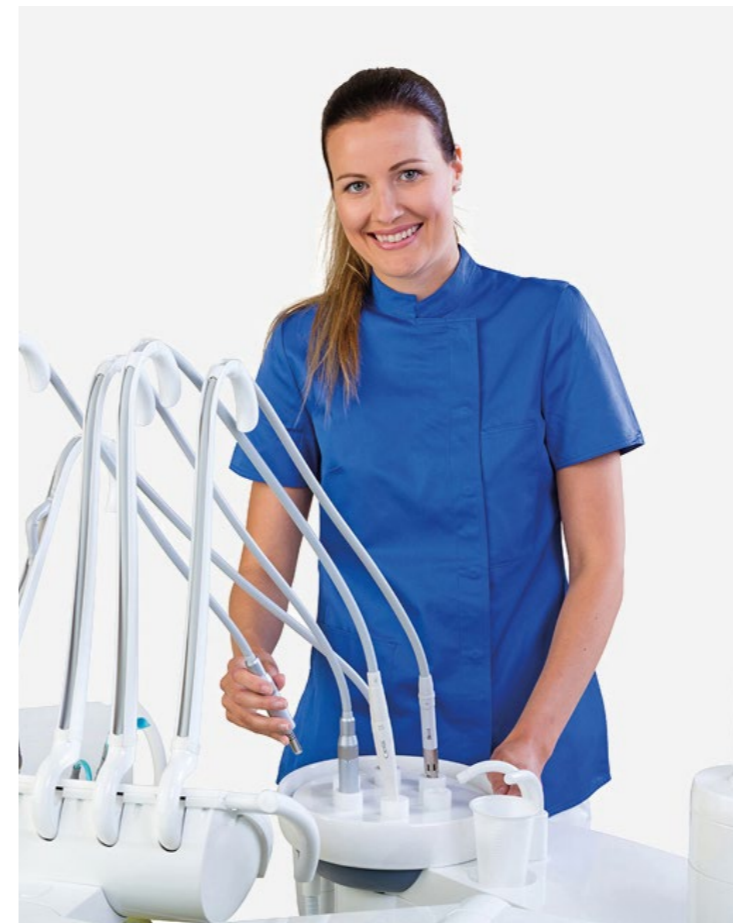
Arm rests rotate 90° and are removable.

Left-handed? Right-handed? Doesn't matter. Rearrange tools in moments to suit anyone on your team in seconds.

MAINTENANCE MADE EASY

Clean and clear Nordic design ensures effortless maintenance of the F1 Neo. The smooth surfaces with a minimum amount of joints and gaps makes daily cleaning and maintenance fluent and quick. You and your team will have more time to focus on your patient.

The water unit can either include an integrated amalgam separator or valves for a wet suction system.



Instruments using water cooling can be placed into suitable holders for easy, quick and automatic cleaning of the internal water lines. Three different flushing times can be selected and adjusted from the menu.

Both the instrument console and the assistant's console are equipped with a hygienic silicone cover to ensure excellent hygiene.





TECHNOLOGY THAT FITS YOUR WORKFLOW

The touchscreen reshapes the way you use Fimet products. It has been designed to streamline your daily work with its intuitive, clear and easy to use user interface. User specific adjustments ensure that the unit feels like its tailored just for you.

Manage everything—chair adjustments, lighting, and instruments—through the intuitive touchscreen.

The simple, clear design ensures your team spends less time fumbling with controls and more time focusing on what really matters—your patients.

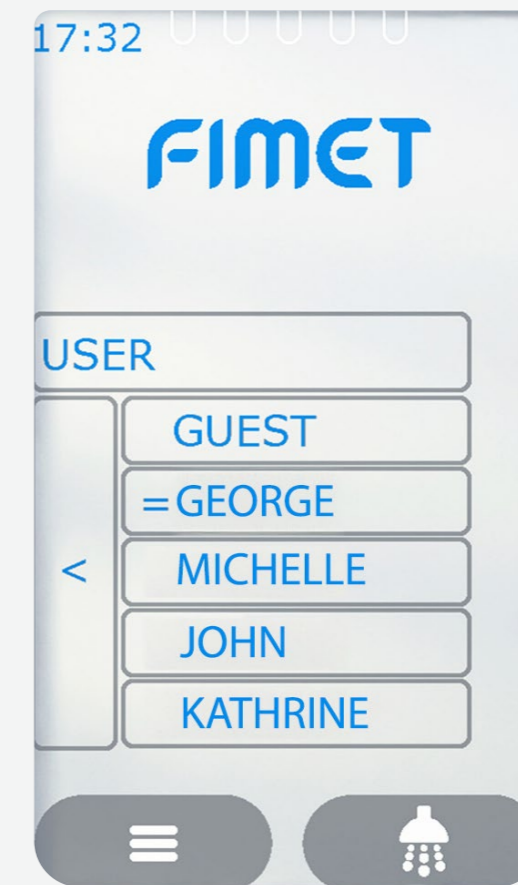
Integrated NSK Varios 170 scaler presets

Tip settings and images of the tips are preloaded into the interface as presets. By entering the name of the tip, the standard NSK factory setting is automatically applied.

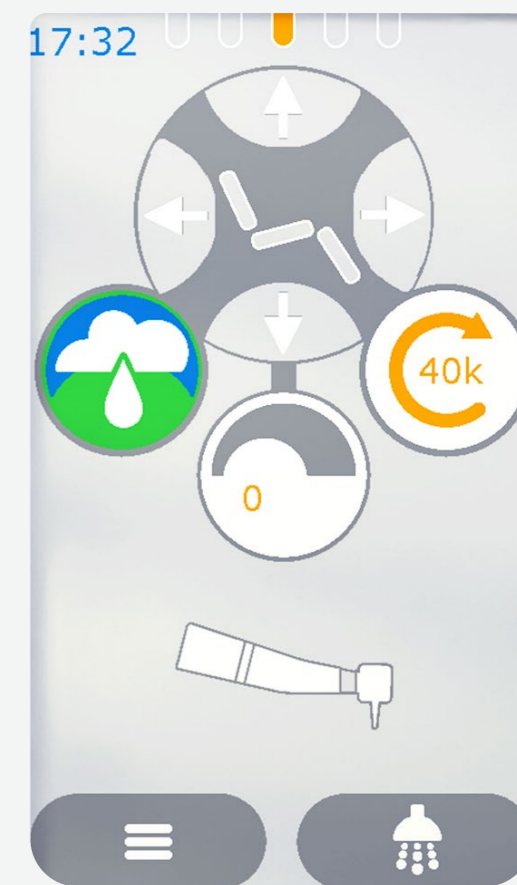
If more power is needed, the output can be manually increased. The interface also allows the user to save up to four tips in a quick access menu, making tip selection fast and easy.



Save up to four different chair presets to boost your working ergonomics. When using pre-customized positions, your working position is best possible for you, every time.



Create and save custom settings for each staff member, from chair positions to instrument preferences. It's like having your clinic tailored to you every time.



Highly intuitive and easy to use instrument controls, designed for accessibility, guide your work with clear indicators in vibrant colors.

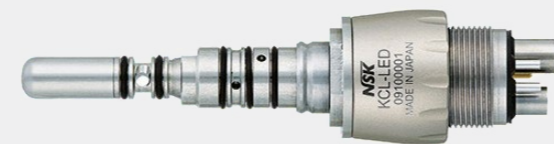
QUALITY TOOLS

As you deserve the best possible tools to perform the most demanding treatments, we have only preselected instruments from well-established manufacturers for you. The choice is yours.

Micromotors

All our electric micromotors have internal spray cooling and light. They are compatible with all ISO Type E contra-angles and handpieces and are made by well-known European and Japanese manufacturers.

When working with any of the listed Neo Ceiling micromotors, you can choose and individually adjust between three speed ranges, making it easy to select exactly the speed you require.



KCL-LED COUPLING

LED COUPLING FOR KAVO MULTIFLEX

NSK, Japan

- Attach NSK micromotor to your existing Kavo MultiFlex system
- Colour temp 6500K and luminance 32000 Lux
- Adjustable water pressure



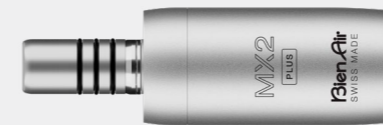
6- AND 3-WAY SYRINGES

DENTAL SYRINGE

Luzzani Dental, Italy

- Available in angled and straight type
- Stainless steel sleeve

MICROMOTORS



MX2 PLUS

Bien Air Dental, Switzerland

- Motor speed rating min. 100 max. 40 000 rpm
- Motor torque rating 3,5 Ncm
- Weight 79 g

Brushless motor.



MCX LED

Bien Air Dental, Switzerland

- Motor speed rating min. 1000 max. 40 000 rpm
- Motor torque rating 2,5 Ncm
- Weight 76 g

Brushless motor

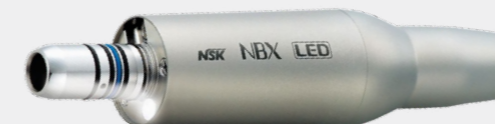


MC3 LED

Bien Air Dental, Switzerland

- Motor speed rating min. 60 max. 40 000 rpm
- Motor torque rating 2,8 Ncm
- Weight 100 g

With autoclavable detachable sleeve.



NBX LED

NSK, Japan

- Motor speed rating min. 2 00max. 40 000 rpm
- Motor torque rating 4,0 Ncm
- Weight 83 g
- Length 76 mm including hose connector

Solid titanium outer body.



NLX NANO LED

NSK, Japan

- Motor speed rating min. 2 000 max. 40 000 rpm
- Motor torque rating 3,4 Ncm
- Weight 61 g
- Length 68,8 mm including hose connector

Brushless motor, thus no need to change carbons as in conventional micromotor. Complete motor is autoclavable up to 135 °C.

ULTRASONIC SCALERS AND OTHER TOOLS



SATELEC MINI LED

CURING LIGHT
ACTEON, FRANCE

- Power output 1250mw/cm² - 2000mw/cm²
- Curing time is 6 - 12 seconds for 2mm of any composite



SATELEC SP4055

ULTRASONIC SCALER
ACTEON, FRANCE

- Frequency range 28-36 kHz
- Max. power output 9 W
- Delivery includes tips 1, 10P and 10X, protection tip and universal wrench.



SATELEC NEWTRON LED

ULTRASONIC SCALER
ACTEON, FRANCE

- Frequency range 28-36 kHz,
- max. power output 12 W
- Delivery includes tips 1, 10P and 10X, sterilisation box and one torque wrench



MECTRON STARLIGHT +

CURING LIGHT
MECTRON, ITALIA

- Power output > 1400 mW/cm²
- Curing Time 10-20 seconds for modern composites

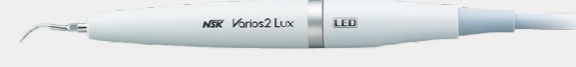


PIEZON NO PAIN LED

ULTRASONIC SCALER
EMS, SWITZERLAND

- Frequency range 24-32 kHz
- max. power output 8 W
- Delivery includes tips A, P and PS, autoclavable sterilisation box and 3 torque wrench keys

Dynamic power-response feature that constantly regulates the ultrasonic power to the applied load.



VARIOS 170 LED

ULTRASONIC SCALER
NSK, JAPAN

- Frequency range 28-32 kHz,
- max. power output 11 W
- Delivery includes tips G4, G8 and G16, autoclavable sterilisation box and 3 torque wrench keys

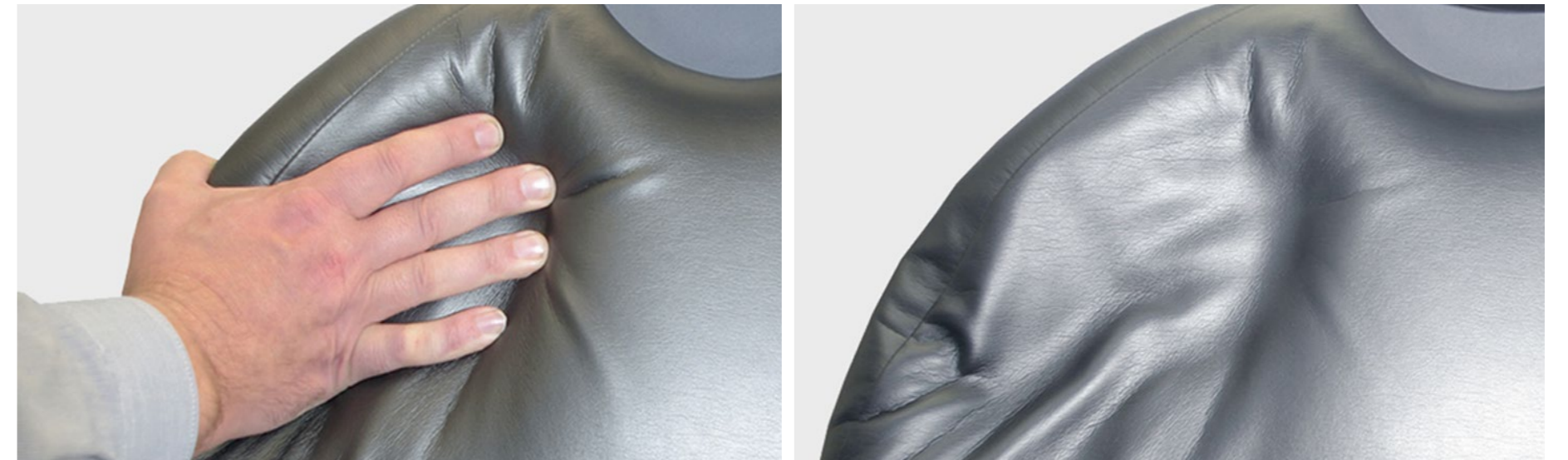
The iPiezo engine assures stable output by automatically adjusting to the optimum frequency depending on the loading of the tip.

COLORS

Choose your favourite

Seamless, easy-to-clean ComFORT and XtraSOFT upholsteries are available in many attractive colours. This material has a smooth and shiny surface with a skin-friendly coating. It is waterproof and can be disinfected.

limitation leather from the FIMET -collection complies with the relevant regulations of the EC directive 93/42/EWG on medical devices, and it is biocompatible according to EN ISO 10993.



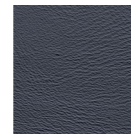
UltraLUX upholstery features a classic natural grain with a subtle luminescence that provides a hint of luxury and refinement. Memory foam adapts fully to the patient's body shape and is pleasant and relaxing.

The specifications and colours in this leaflet may vary from the actual product and are subject to change without prior notice. Ask your local FIMET distributor for colour samples.

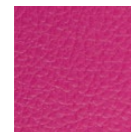
Ruby red
818



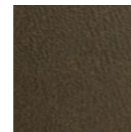
Anthracite
316



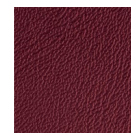
Orchid
1900



Chocolate brown
815



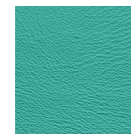
Purple red
802



Black
260



Turquoise
263



Ocean blue
819



Emerald green
824



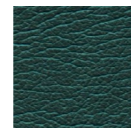
Metallic blue
2691



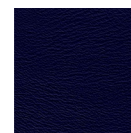
Royal blue
268



Forest green
4304



Night blue
225



Graphite v2
5806



STOOLS

Sit well and choose one of the stool options.



Classic



Dental



Pony





PATIENT LIGHT

In order to achieve the best results under health and safety conditions, dentists need to operate in a clear view environment. The light must be able to reduce the shadow effect of instruments and natural barriers to a minimum. We have chosen professional lighting system for you with advanced LED technology from leading specialised manufacturer.

POLARIS COMPOSAFE

Polaris Composafe features the COMPOSAFE mode, which eliminates wavelengths that cause premature photopolymerization, making it easier to work with composites and resins without the risk of pre-polymerization.

This gives the dentist more working time with the composite material.

The POLARIS COMPOSAFE lamp is equipped with a proximity sensor through which it is possible to turn the lamp on and off and switch from one mode to another.

GCOMM - POLARIS



Color temperature can be adjusted between 4 200 and 6 000 K. This allows the color temperature to be adjusted in order to improve the contrast on soft tissues, increasing the visibility and the resolution.

It is possible to adjust illuminance between 8 000 to 50 000 Lux.

An easily cleanable front cover keeps the reflectors protected from dust and damages.

An optional mirror and anti-polymerization filter can be easily added to your Polaris light.

FARO - EVA



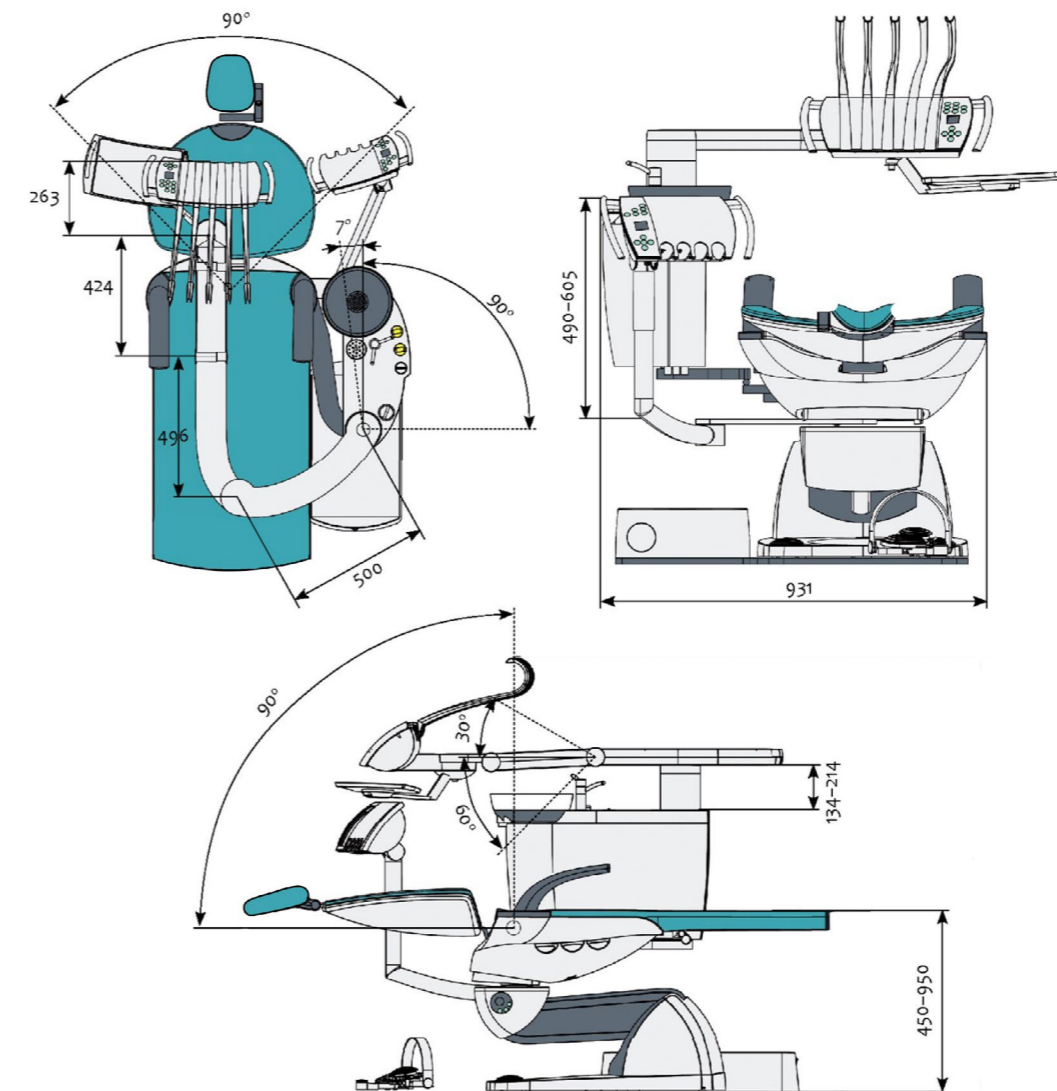
Lighting level can be adjusted from 3 000 to 50 000 Lux.

Due to the high CRI value (Color Rendering Index) of 97 the quality of the colors and the details in the mouth of the patient are fully realistic and respected.

The optional FARO SCREEN protection cover with a patient mirror can be mounted on the light also afterwards.

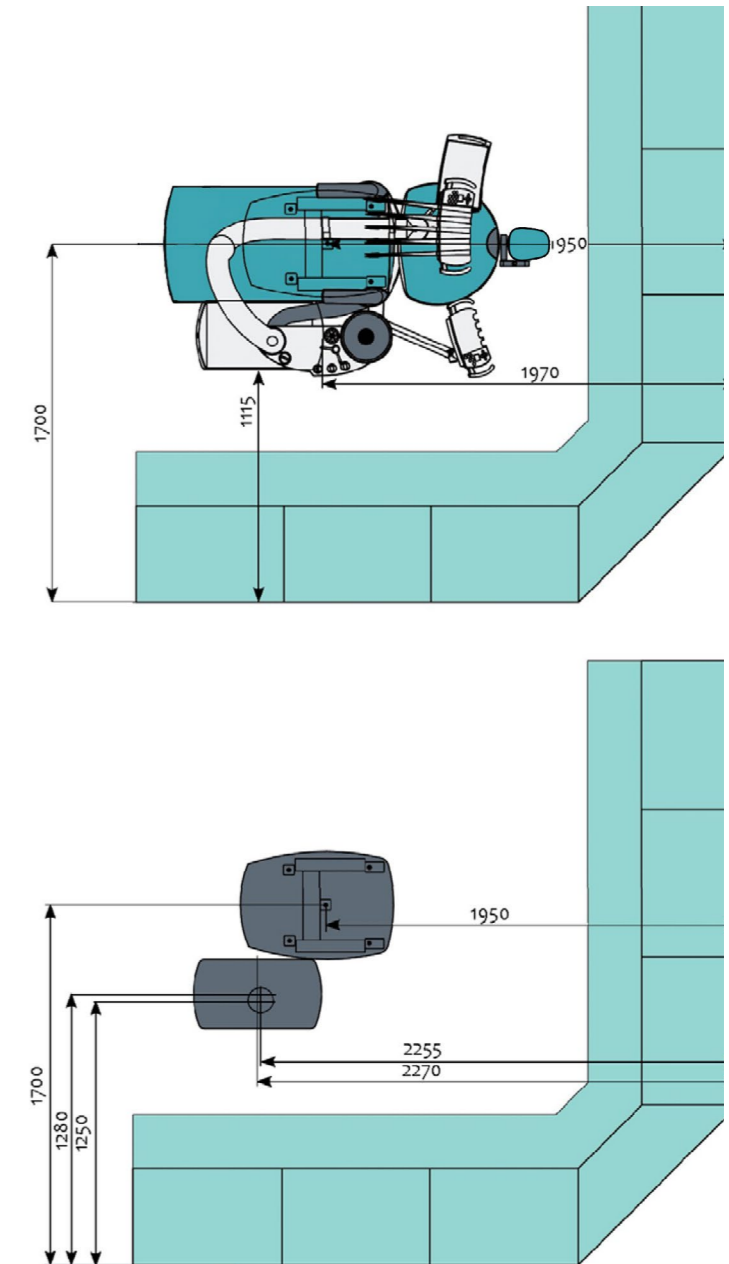
PATIENT LIGHT

Dimensions of NEO chair and unit



DIMENSIONS

Minimum installation



Options and features

Fimet NEO treatment system can be configured with a large variety of properties and options according to your wishes and preferences.

NEO Instrument Bridge
Space for five instruments and can include the following options:
Electric micromotor(s) with or without brushes, with light
Turbine tubing(s) with light
Ultrasonic scaler, with or without light
3- or 6-way syringe
Polymerization light
Intraoral camera
Interchangeable instruments -Quick connectors
Hose release from dorio, Continental
Touchscreen

Water Unit
Can be equipped with:
Integrated amalgam separator
Valves for wet suction system
Water bottle
Detachable porcelain bowl
Suction filter

Suction Unit
Includes:
High and low volume suction hoses
Optional syringe
Optional polymerization light
Optional intraoral camera

NEO Patient Chair
Includes:
Arm rests rotate 90 degrees to side to allow easy access, also removable
Four individually adjustable settings including last-position-program
Two-joint adjustable head rest
Knee-break chair

Further features and options:

Led patient light
Support for intraoral camera and display integration
Wireless, multifunctional foot control for chair and instrument functions. Available as vertical or horizontal version.
Tray holder for one or two standard trays
External USB2 and USB3 interface
Polaris Composafe
Faro EVA LED

Standards

CE-approved according to 2017/745 - EN - Medical Device Regulation (MDR)
ISO 13485 certified quality system

NEO

Whether you need advanced features for a high-end practice or a balance of functionality and affordability for everyday use, there's a Neo model designed to meet your specific requirements.

For more information, visit www.fimet.fi or contact an authorized dealer.

The Neo dental chair is MDR-certified, ensuring it meets the highest standards of safety and quality. This certification guarantees both your peace of mind and your patients' well-being. We take compliance seriously, so you can rest easy knowing your equipment meets industry regulations.

FIMET

Fimet Oy +358 19 521 6600
Teollisuustie 6 fimet@fimet.fi
FI-07230 Askola www.fimet.fi
Finland

Ask your local NEO distributor for latest product information and options.