

FD-8000

Dental Units

2021



FD FINNDENT

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Rethinking Dental

Finndent is a Finnish company that has been creating innovative dental solutions for more than four decades. We develop, design, and assemble high quality dental units for a variety of customers ranging from private dentists to dental clinic chains, hospitals, and educational institutions. Sustainable development is a crucial part of our company's values and with the direction we are taking, we want to set an example for others to follow. Not only is our goal to be a fully carbon neutral company by 2025, but our mission is to provide locally produced, unique and ethical products that are made to last the entire career of a dental professional.

All our dental units are manufactured and assembled by hand in Finland, with all the components and other accessory items sourced from reliable supply chain partners. Keeping our production local allows us to track and have a clear overview of the origin of our products.

A transparent production chain is crucial to ensure that local environmental standards and regulations have been followed. Finndent wants to carry its social and ecological responsibility as a company by producing its units in the most ethical way possible.

Our mission is to provide our customers with dental units that last the entire career of a dental professional. Every unit that we make is unique, with a fully customizable feature set, so that no customer of ours must compromise on their needs. Finndent is taking a step towards a circular economy-based technical cycle: we want our products to be repairable, reusable and recyclable. Therefore, we have designed our units to be truly modular, meaning that parts can be taken out, repaired, and replaced.

Nordic design is centered around functionality, resulting in beautiful, clean shapes, minimalistic silhouettes, and the use of long-lasting, quality materials. Nordic design ideology produces objects that are well-made, authentic, and timeless by nature. We at Finndent focus on giving our customers the freedom to select the specific features of their dental unit and providing them with a carefully designed and crafted solution instead of a mass-produced object. For us it is important to translate our values through our design. Finndent's dental units are for conscientious dental professionals who want to invest in the future.

FD-8000 Product Family

The FD-8000 product family is the result of 30 years of dental unit development, where proven and field-tested technology is combined with contemporary design. Intelligent electronics provide comfortable hands-free controls. The functional cuspidor and efficient hygiene system make cleaning and maintenance a pleasant task. Innovations for practical use include pneumatic brakes in the instrument arm, highly functional control panel, support for a wide variety of instruments to suit your preference. The FD-8000 is designed for decades of excellent and trustworthy service.



Floor Solutions

FD-8000B1+

FD-8000B1X

FD-8000B2

FD-8000KFO

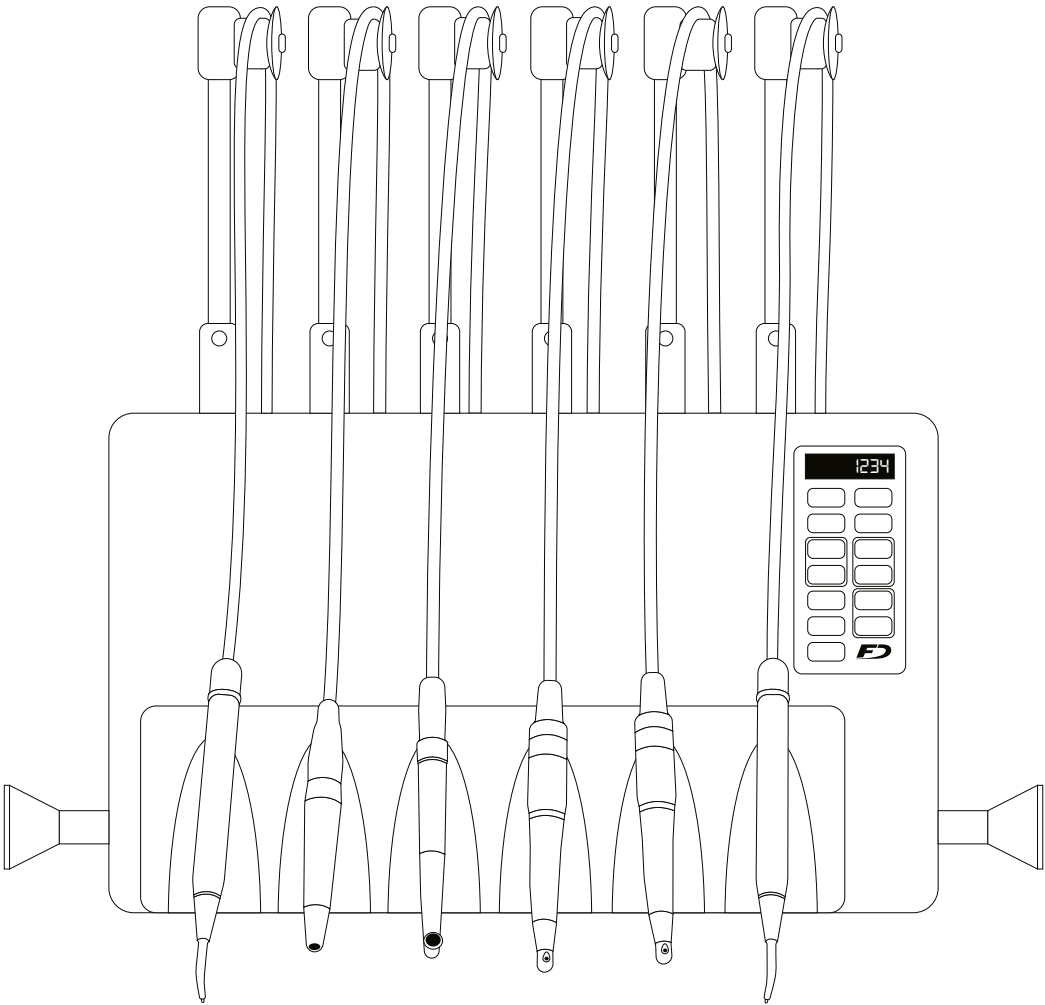
FD-8000D2

FD Phantom

FD-8000B1+

The FD-8000B1+ allows more versatility and exclusive options for discerning dentists. The elegantly redesigned 6-place instrument bridge is made of brushed aluminum. The instrument bridge also features first-class balanced whip-arms with next generation ergonomics, posing minimal strain to the body with the maximum range of movement.

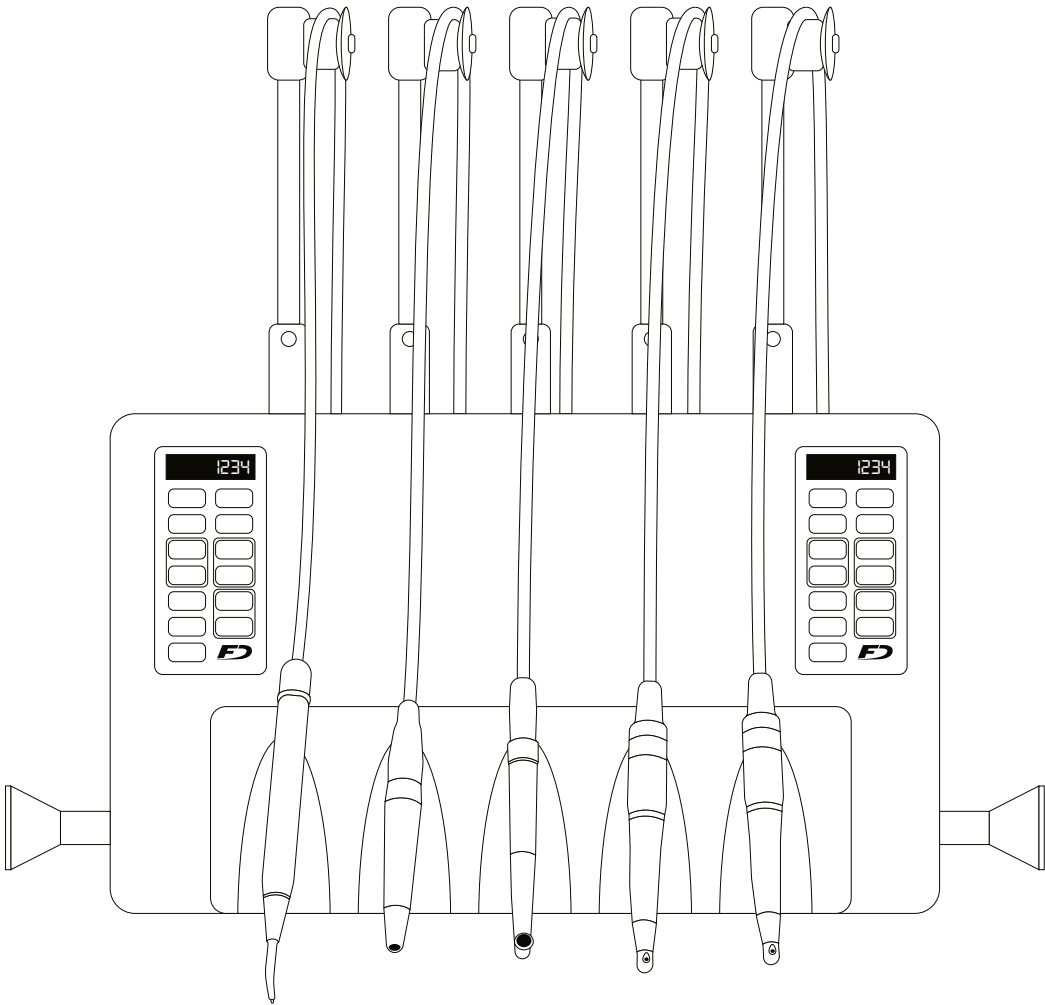
The 8000B1+ comes with a contemporary glass cuspidor and telescopic suction arm with new 3+assistant side control panel for total cuspidor and patient chair control. Optional rotating cuspidor and automated cleaning system meet the standards of a high-end clinic. This robust unit can also be equipped with a monitor, X-ray and even a Zeiss-microscope.



FD-8000B1X

The newest member of the Finndent 8000 product family is the 8000B1X. The 8000B1X bridge is an evolution of the FD-8000B1+ bridge and comes with a double display. The second display is located on the assistant's side, and it has the same functionalities and options as the main one.

The 8000B1X can also be equipped with up to 5 instruments and features first-class balanced whip-arms with next generation ergonomics, posing minimal strain to the body with the maximum range of movement. These features make the dental work easier and more comfortable. Despite the improved design and additional display, the practical size of the instrument bridge has remained the same.





The FD-8000B1+ and FD-8000B1X dental unit models are available in both traditional white and more modern black version

FD-8000B2

The FD-8000B2 units are equipped with hanging hoses and large instrument trays. The 8000B2 is connected to the power supply directly underneath the dental unit body and its operating light is connected to the body of the unit with an additional arm. Optional rotating cuspidor and automated cleaning system meet the standards of a high-end clinic. This trustworthy unit can also be equipped with a monitor, X-ray and a Zeiss microscope.



FD-8000D2

The Finndent 8000D2 Cart is a flexible powerhouse that enables the dental professional to change their clinic workflow while maintaining proper working ergonomics. It can be individually equipped with up to 5 instruments and it uses the same tactile control panel as the FD-8000B1+. The height of the cart is adjustable with a solid brake to guarantee steady working experience. The Finndent 8000D2 Cart comes with the classic Finndent full-metal construction and a precise quality that you can feel.



FD-8000KFO

The FD-8000KFO is a compact unit ideally suited for orthodontics. It is equipped with 3 instrument places and two suction hoses. All features, including the unit, the operating lamp, the cuspidor and up to two trays can be mounted on the dental chair, leaving plenty of floor space for working.



Ceiling Solutions

FD-8000P1

FD-8000P2



The ceiling installed dental unit is one of the most advanced solutions we are offering for our customers. Mounting the dental unit in the ceiling does not only appear sophisticated and futuristic, but it automatically saves space leaving more room for actual treatment and comfortable working. It also has less surfaces to keep clean.

In fact, the compact ceiling unit is perfect for smaller spaces, shared rooms and ambidextrous use. The ceiling unit can be mounted on all kinds of ceilings (concrete, bricks etc.) and installed in the same amount of time as a regular unit. The air and water systems are easily installed using the Finndent-water bottle system. A ceiling unit is a product of careful engineering and craftsmanship, that allows you to elevate your clinic space to a new level.

FD-8000P1 + or X

Good things come from above. The 8000P1 is a ceiling mounted dental unit that frees floor space for improved working ergonomics and optimized clinic workflow. This unique Finndent innovation provides freedom of clinic design for shared workspaces - the symmetry of the FD-8000P1 is ideal for right- and left-handed as well as ambidextrous installations on any ceiling type.

A suction arm system can be mounted in the cabinet or on the back of the patient chair for left or right-side use. The Finndent 8000P1 is available with both + model instrument bridge with 6 instrument places and a single display as well as the + model bridge with 5 instrument places and a double display. Maximum functionality in the minimum amount of space.



FD-8000P2 + or X

FD-8000P2 is the ambidextrous version of the ceiling unit, mounted in front and above the patient chair with a longer arm that allows dental professionals to operate it effortlessly from both left and right. The Finndent 8000P2 is available with both + -model instrument bridge with 6 instrument places and a single display as well as the X- model bridge with 5 instrument places and a double display.



Material Matters

A dental unit must withstand years of rigorous clinical work as well as continuous application of strong disinfectants and solutions. It is therefore important that the unit is made from durable, high-quality materials. We have designed the whole FD-8000 unit out of metal, to make the core of it as strong and durable as possible. This is essential for the unit to endure years of use. Metal is not only sturdier than plastic as a material, but it also makes the whole unit look more consistent as the surface absorbs paint evenly.



Instruments

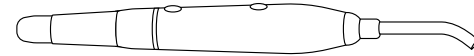
Scalers

Scalers have an automatic power regulation and perfectly controlled vibrations that brings more preservation, efficacy and comfort to any scaling procedure. The scalers can be used for all applications — scaling, endo, perio and restorative procedures. Gentle treatment for uniform surface roughness with minimum abrasion of tooth surface. All scalers can have an implemented LED light feature.



Curing Lights

The curing lights are an important tool for dental professionals used for polymerization of light cure resin based composites. They can be used on many dental materials that are curable by light. We offer several great options that are safe, efficient, and make treatments easy.



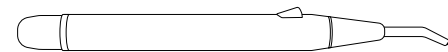
Intraoral Cameras

Intraoral camera options offer a wide view for improved exploration of the distal areas with high quality image. Their rounded shape and thinness of the distal part make them more comfortable in the mouth.



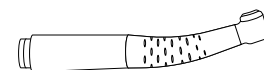
Syringes

We offer two different syringe options: 3F with cold air, cold water and spray functions, and 6F with the previously mentioned features plus warm air, water and spray.



Turbines

All air turbines are compatible with the FD-8000 unit's instrument bridge, making you free to select your preferred model and brand.



Micromotors

Traditional Brushed Motor

Traditional Brushed Motor is a versatile micromotor with vibration-free operation. The motor speeds up from 60 to 40 000 rpm.



Basic Brushless

Basic brushless micromotor is a light and powerful brushless motor that can be used in all general dentistry. The motor speeds up to 40 000 rpm.



Endodontic

Endodontic micromotor is a brushless motor with hall sensors that makes it is suitable for both general dentistry and endodontics. The speed ranges from 80 rpm to 40 000 rpm.



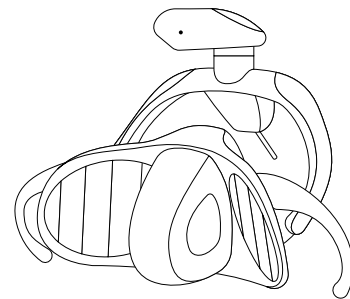
Lamps

The dental lamps we provide have an integrated lighting system that makes the visual transition between the different working areas easy and comfortable, avoiding stress and fatigue for the eyes.

The lamps are designed by Faro with careful consideration of both the dentist and the patient. Advanced technology and attractive design makes their dental lamps the perfect synthesis of functionality and aesthetics.

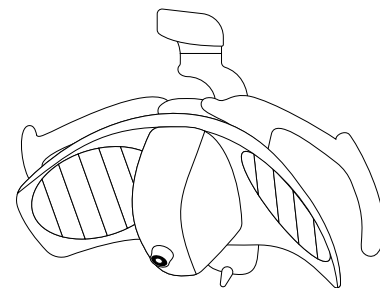
Maia

Maia's lighting level can be adjusted from 3.000 to 35.000 Lux. It is the ideal solution for anyone looking for a LED dental operating light with high performances at an affordable price. Faro patented optical system comes with removable and sterilizable handles.



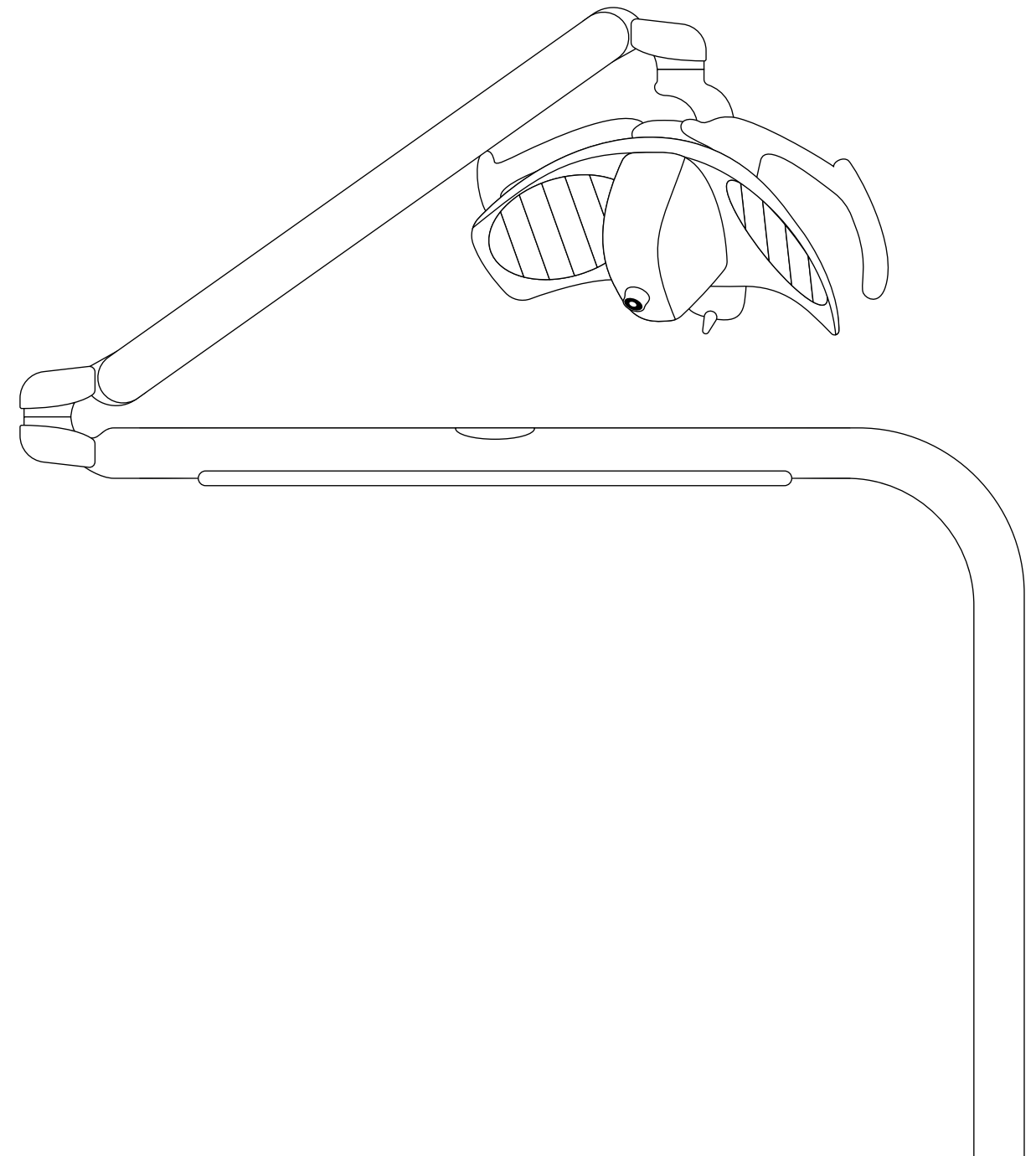
Eva

Eva's lighting level can be adjusted from 3.000 to 50.000 LUX. It has a single light to work on composites and perform surgery. Eva has been designed to feature optimal scialytic effect that reduces the shadow effect of instruments and natural barriers to a minimum. Advanced camera feature for dental documentation is possible for Eva.



Theiatech

Theiatech is an additional LED lighting system that is integrated in the rear arm of the dental light. It improves the lighting conditions by balancing light variations between the operative area and the rest of the treatment room and thereby reduces potential visual fatigue. Theiatech system works synchronized with the main dental lamp.



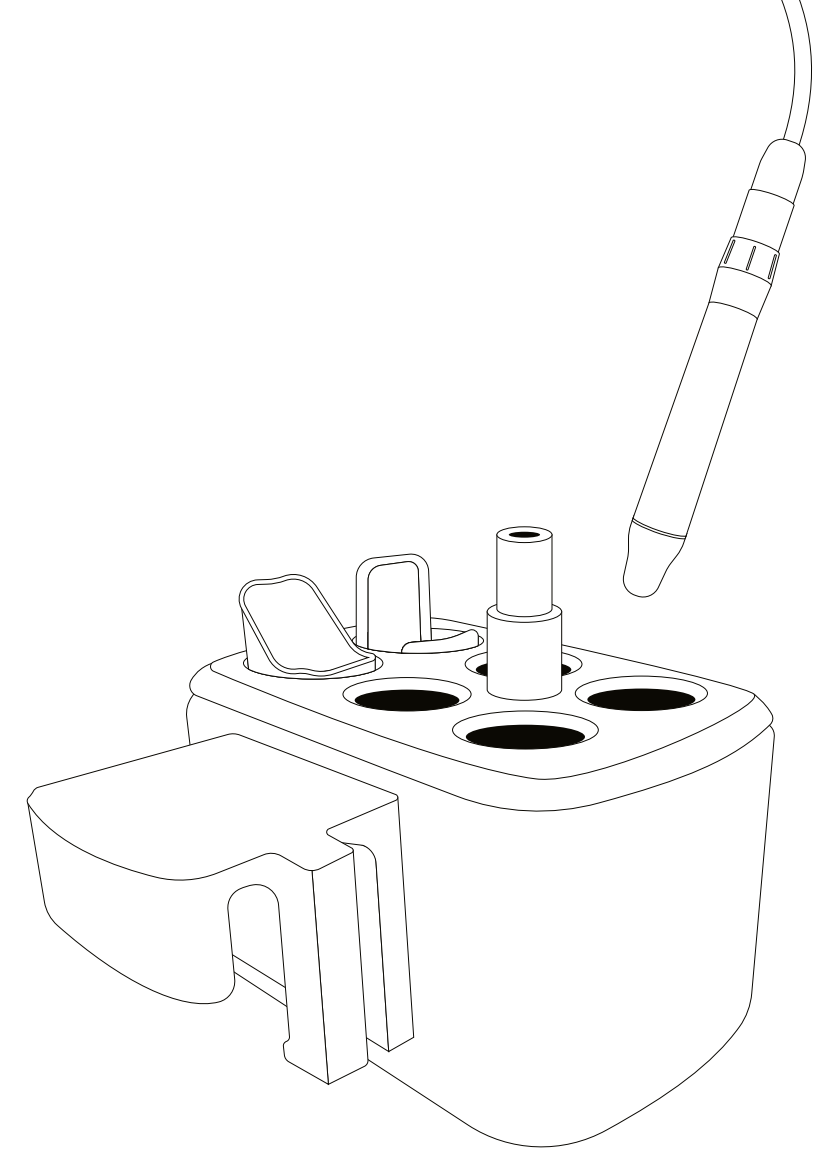
Hygiene

The Finndent units have been designed with careful consideration for the hygiene processes. The surface of the dental units has a minimal amount of small dents and gaps where contagious agents could reside. This way the shape of the unit has been designed to be cleaned more effectively, leaving more time for actual treatment.

Instrument Cleaning Holder

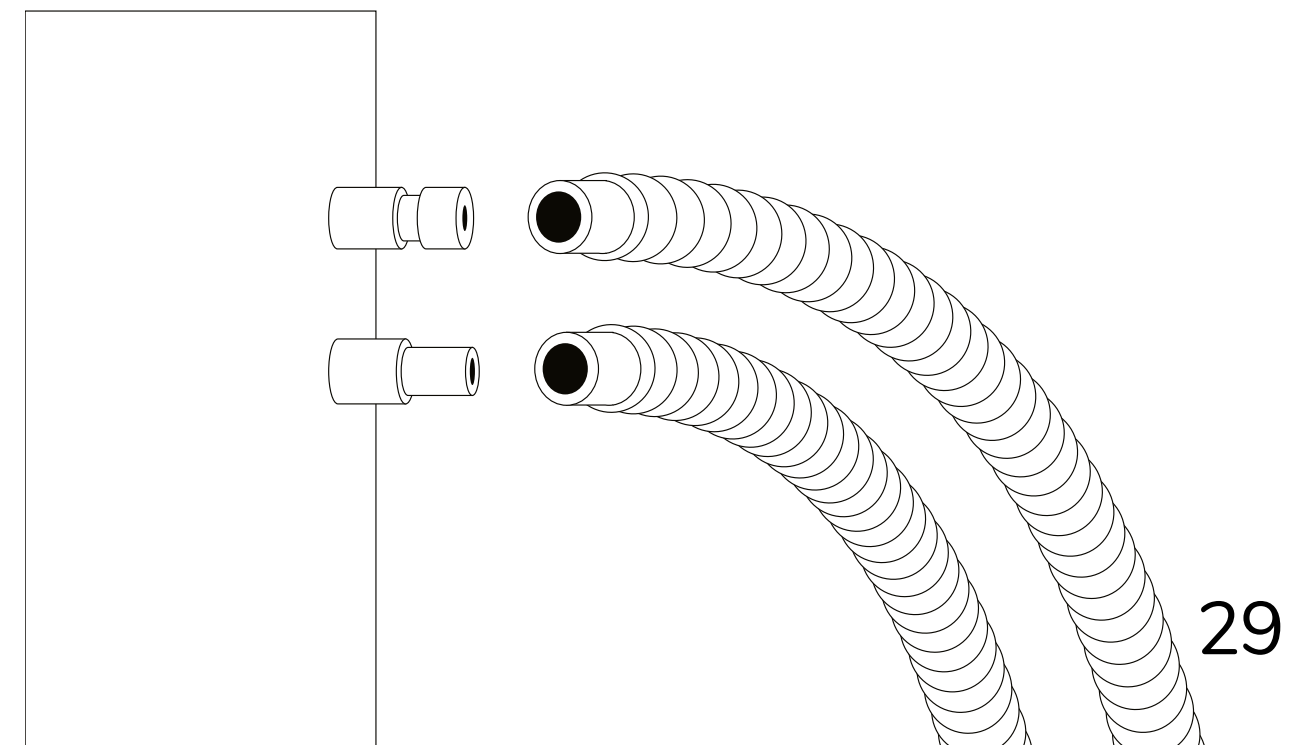
The units are equipped with automatic instrument cleaning, that is accessible and allows you to have a clean and well-functioning unit. The instrument cleaning holder is a flexible solution that works either on your tray or in your cuspidor. It is easy to use and cleans all the relevant instruments meanwhile you can focus on clinical work.

The holder can be put in place in a matter of seconds and put away from the working area just as fast. All the materials of the instrument cleaning holder have been carefully selected and therefore withstand disinfection between uses. Make your dental unit as productive as it can be.



Suction Cleaning

The optional automatic suction cleaning will make sure your suction hoses are cleaned with the press of a button, leaving you more time for other clinical operations. The automatic suction cleaning can be installed on the unit or in the cabinet.



Flexible Suction Arm

Suction Arm Mounted on the Unit

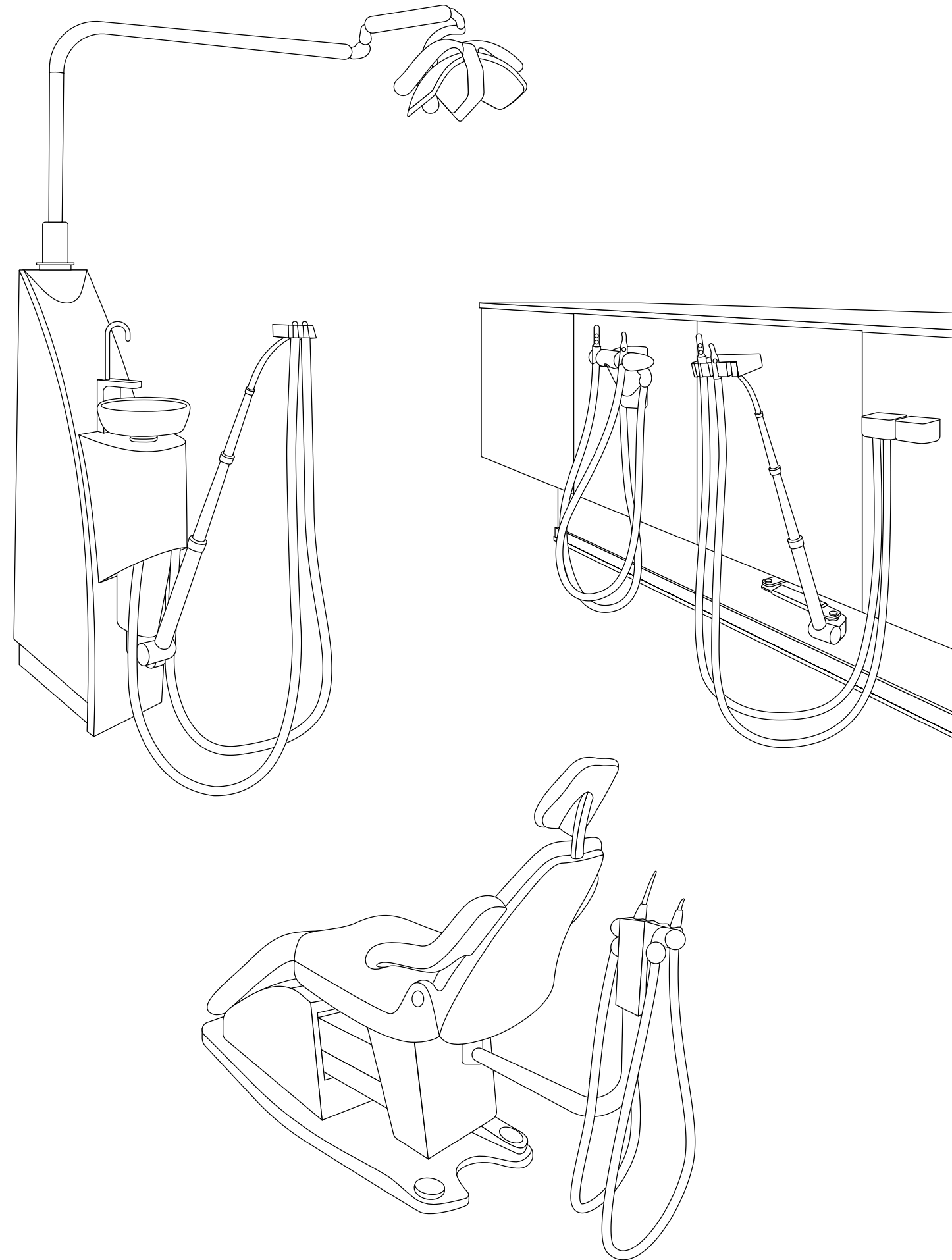
The ultra-flexible telescopic suction arm can reach all working positions you require. The ergonomics are great, and the suction will run smoothly through all your clinical applications.

Suction Arm Mounted on the Cabinet

The cabinet mounted options can provide advanced ergonomics and possibilities for four-handed working. The cabinet based suction renders extensive construction works at the clinic useless as the floors of your clinic do not necessarily need to be opened. Together with our ceiling mounted unit this solution is the most advanced and yet the most affordable installation in the market.

J-pipe, Mounted on the Patient Chair

The left-to-right ambidextrous suction arm technology will make both handed working ergonomics possible. The firm and well-made metal suction holder has modular capabilities in accommodating the instrumentation of your needs in the most suitable position. The option is available for all Finndent chairs.



Ergonomics

Finndent dental units have been designed with proper working ergonomics as one of the top priorities. A user-centric design process has been crucial in order to create a dental unit that is maximally easy, intuitive and comfortable to use, even during longer treatment sessions. The FD-8000 units are made to be used by people of all sizes and shapes. Our patient chairs are made for the patient to sit as still as possible, making precise treatments easier. The instruments are placed to be effortlessly reachable. We believe that with careful attention to ergonomics your body will function better, and your working will become more efficient.

All the FD-8000 units are equipped with advanced air brakes on the instrument bridge to make your treatments as fluent as possible. The air brakes have a true touch activation. The arms are equipped with industrial grade bearings of minimum friction, allowing stable and continuous movements. Also, the extremely well-balanced whip arms are among the best in the world: your hands will experience less strain during working and the possibility of instruments falling to the ground is almost non-existent. This enables you to preserve both your body and your tools in an ideal condition.

Lighting is also an important part of working ergonomics, and all our dental units are equipped with superior quality LED lamps. Quality light, best possible colour spectrum and eliminated shadows will create an ideal setting for your clinic, resulting in less eye strain and fewer headaches. Optionally, Theiatech lighting technology decreases the contrast of the light intensity between the mouth and the rest of the work area (see page 25).

Finndent Ergonomics

Unit Size

A smaller size unit as well as the optional short base for the patient chair increase the amount of free floor space, allowing you to work as close to the patient as possible and move more freely.

Lighting

Good quality light as well as additional light to balance the contrast between the operative area and the rest of working space are essential for the well-being of your eyes.

Movement

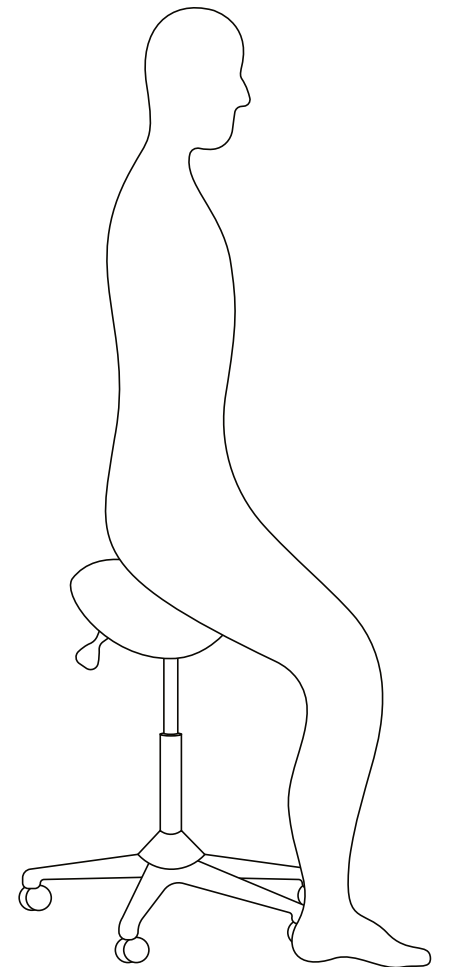
The air breaks of the instrument bridge activate automatically by touch. The durable industrial bearings enable fluent movement. The balanced whip arms of the instrument bridge pose minimal strain to your hands and arms. The foot control has minimized sideways movement, which reduces stress on your knees.

Working Position

The FD-3600 and FD-5000 patient chairs with their optional short base allow the ideal working position as close to the patient as possible. The working stools enable ergonomic sitting position, that is essential for the health of your back.

Patient Experience

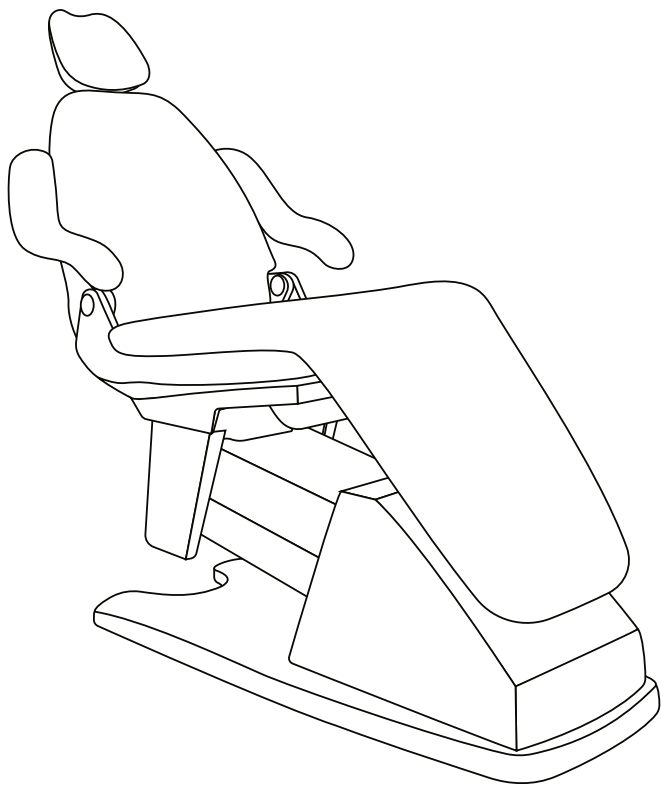
A positive treatment experience is crucial for patients to return. Therefore, the well-being of the patient has self-evidently been a top priority when designing the Finndent dental units. The patient chair and its neck rest and armrests are made to offer the most comfortable support during a treatment. We also believe that a well-designed dental unit looks trustworthy and appealing, welcoming the patient instead of intimidating them, in order to reduce any possible dental anxiety.



Dental Chair

Finndent dental chairs are designed to be fully ergonomic and to offer comfortable treatment experience for both the dentist and the patient. FD-5000 is our premium solution and is built with a zinc-galvanized steel body and molded and wet-painted aluminum backrest and seat. FD-5000 patient chair is known for being reliable and long-lasting. A built-in swivel function allows flexible working, as the seat can be rotated 30°. Movable armrests make it easier for patients to access the patient chair. The chair provides a relaxed positioning for discussions before and after dental treatment.

FD-3600 is our classic dental chair choice. Both of our dental chairs come in 10 standard colours and almost endless options for custom colour upholstery made with hygienic synthetic leather material. Soft Gel padding is also available for both chairs. An optional short base for the patient chairs reduces the floor area needed and allows the optimal working positioning for the dentist as close as possible to the patient.



Patient chair options	x included	o optional	– unavailable	3600	5000
Articulated neck rest		o		o	o
Articulated head rest	x			x	x
Standard upholstery (10 colors available)	x			x	x
Custom upholstery		o		o	o
30° swivel-mounted chair		–		–	x
Fixed armrests	x			x	x
Moving armrests		–		–	o
Suction arm mounted on the chair with a J-pipe		o		o	o
Extra-wide backrest (available if no armrests are ordered)		o		o	o
Kneebreak	x			x	x
Synchronized tilting of seat, footrest and backrest	x			x	x
Unit foot control dock	x			x	x
Extended chair base		o		o	o
Right and left side foot controls for manual positioning	x			x	x
4 programmable memory positions for automatic positioning	x			x	x
Separate power supply for dental chair	x			x	x
Mounting plate (when installed with the dental unit)		o		o	o
Integrated holder for the foot control for clean ups		–		–	x

Upholstery

The dental chair upholstery comes in 10 different standard colour options and 3 different comfort levels. Custom colours include hundreds of colours, giving you the opportunity to match your patient chair to the surrounding clinic interior as precisely as possible.

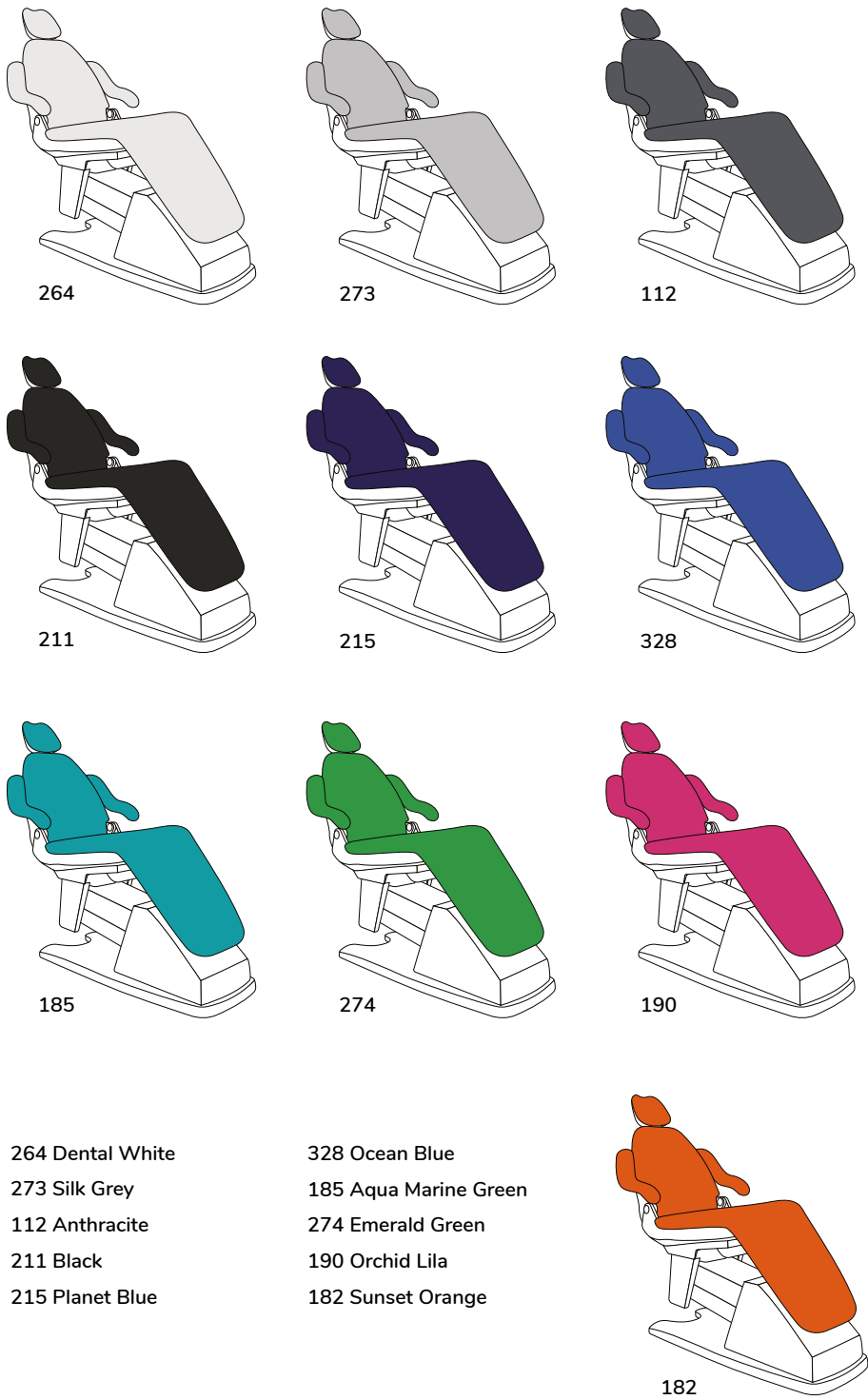
As a special feature Finndent is offering three different upholstery comfort levels for the dental chair:

- Standard upholstery
- Soft gel upholstery
- Formax with lumbar support

The firmness and comfort levels of the upholstery have an effect on the patient ergonomics and experience. High quality materials allow the upholstery to be continuously and easily cleaned. An extra rising pillow is available for the child patients.



Finndent Standard Upholstery Colours



Colors may vary in real life. To be certain of your preferred tone, ask for a color sample from your local dealer.

Working Stools

Finndent dental work stools and saddle stools provide maximum comfort and range of motion with their anatomically formed seats and pneumatic suspensions. The seamless design and anti-bacterial upholstery make them a hygienic choice. The colour of the stool can easily be matched to the colour of the dental chair, creating a cohesive interior for your clinic. An optional fixed foot ring is available for all the models.

We provide 12 different working stool options:

- **FD-215** Flat seat stool with backrest, seat height 400-520mm
- **FD-235** Flat seat stool with backrest, seat height 520-690mm
- **FD-265** Flat seat stool with backrest with fixed foot ring, seat height 520-690mm
- **FD-225** Saddle seat stool for people up to 1,80m tall, seat height 520-720mm
- **FD-225_SW** Saddle seat stool with a soft seat and swing mechanism
- **FD-230** Saddle seat stool for people taller than 1,80m, seat height 580-840mm
- **FD-230_SW** Saddle seat stool with soft seat and swing mechanism
- **FD-270** Saddle seat stool with a backrest
- **FD-220** Small saddle seat stool for people up to 1,80m tall, seat height 520-720mm
- **FD-220_SW** Small saddle seat stool with a swing mechanism
- **FD-221** Small saddle seat stool for people taller than 1,80m, 580-840mm
- **FD-221_SW** Small saddle seat stool with swing mechanism

FD-215



FD-265



FD-225



FD-270



FD-220



FD-221



Local Production

Finndent is proud to have a local and transparent supply chain: keeping our production local allows us to track and have a clear overview of the origin of our products. A transparent production chain is crucial to ensure that local environmental standards and regulations have been followed. Finndent's dental units are truly made in the Nordics as almost every item for our units is manufactured in less than 300km away from our headquarters in Helsinki.



FD-8000

by

FD FINNDENT

To find out more about our products
and services, please visit

www.finndent.com



