



Talys

STABLE AND PRECISE



ERGONOMIC REQUIREMENT AT THE HEART OF AIREL-QUETIN'S HISTORY

For over 80 years, Airel-Quetin has been designing and manufacturing in France dental equipment guided by ergonomic requirements. Drawing on recognised industrial know-how, the group develops solutions in which precision, hygiene and durability support the medical act.

With Talys, we offer a different approach to the dental chair: a table-style chair with a horizontal platform, designed for working in the 12 o'clock position. This design ensures optimal patient stability and promotes a natural posture for the practitioner. Direct vision of the operative field enhances the precision and consistency of the procedure.

Manufactured in our ISO 13485-certified workshop in Champigny-sur-Marne, Talys is a Class IIa medical device designed to last. It fully reflects our commitment: to design in France reliable, responsible equipment that serves healthcare professionals.

THE PILLARS OF OUR KNOW-HOW

Your way of working is unique; our chair is too

We are convinced there is no bad chair... only bad choices. Every practitioner has their own way of working, their environment, their habits. Our role? To help you find the configuration that suits you.

Our chairs are designed for your posture, your movements, your space—not the other way round. Thanks to our expertise and our integrated design office, we support you for creating a workstation that is smooth, natural and without constraints. Working comfortably means working better, for longer, and with respect for your body.



The purity of water, serenity in every move

Hygiene is in our DNA. As early as 1985, Airel developed IGN® and Calbénum®, two innovations that revolutionised the decontamination of dental chair waterlines.

Even today, this requirement remains at the heart of everything we design. Our integrated systems ensure continuous disinfection, limit limescale deposits and prevent biofilm formation, for healthy water, decontaminated equipment, and a safe environment.

Hygiene is not an option. It is the guarantee of a lasting in us between you, your team and your patients.





Combining design and functionality

Because a dental chair is also a central element of your space, it must be designed for aesthetics, functionality and reassurance.

Our lines are clean, our forms light, our volumes designed for saving space and freeing movement.

Every detail has meaning: a rounded cover for easier cleaning, a smooth surface for maintenance, a choice of harmonious shades for creating a surgery that reflects you.



Certified, responsible French quality

Being a French manufacturer is not just a label; it is a commitment. 90% of Airel-Quetin components are produced in France in our ISO 13485-certified workshops, in accordance with the strictest medical device standards (Class IIa).

We prioritise quality, repairability and durability, with parts available over the long term and a network of regional technicians at your service. Our eco-responsible approach is long-term: WEEE recycling with Ecosystem, and responsible management of materials.



TALYS, THE CHAIR-TABLE

HORIZONTALITY IN THE SERVICE OF THE GESTURE

Talys was born of a simple conviction: the quality of care begins with the quality of posture. In a context where musculoskeletal disorders affect a large majority of practitioners, it became essential to rethink the working position in its most coherent form.

The Talys table-chair rests on a completely horizontal platform, with no break at the backrest. This configuration allows the patient to settle into a stable, naturally distributed position. The body is supported evenly, which reduces strain and micro-movements, even during prolonged procedures.

For the practitioner, this constant horizontality profoundly changes the clinical approach, thanks, among other things, to optimised chair adjustment. The 12 o'clock position becomes natural, the view of the operative field is direct, and the spine remains aligned. Repetitive twisting decreases, the shoulders relax, and movements gain in precision. The chair no longer dictates posture: it supports it.

Talys simplifies day-to-day work. Its streamlined design reduces mechanical complexity and promotes reliability. The uninterrupted seat base enhances patient stability and increases comfort. Its understated, medical design asserts a professional image consistent with practices focused on surgery, implantology, endodontics or demanding treatments.

Talys does not seek to multiply functions. It favours the essentials: stability, precision and durability. Designed and manufactured in France, it embodies a demanding vision of the dental chair, conceived for sustainably supporting the evolution of your practice.





ASSISTED HEADREST PNEUMATIC

Unconstrained operative stability.

The Talys ergonomic headrest includes adjustable wrist-rests, offering a natural support for the forearms and optimal stability of movements during precision procedures. Designed with a pneumatically assisted double joint, it allows smooth, precise and effortless adjustment.

Adaptation to the patient's morphology is immediate, whether an adult or a child. The cervical support remains perfectly positioned, ensuring comfort and immobility throughout the entire treatment. This stability enhances the quality of the clinical manoeuvre and improves visibility of the operating field.

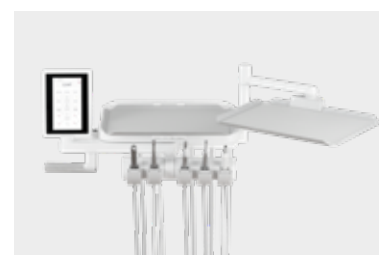
The practitioner works in a controlled posture, with secure and consistent supports. Robust and reliable, the headrest supports the most demanding daily use. It blends naturally with the sleek line of the Talys chair. A technical detail designed for precision.

A COMPLETE SET OF EQUIPMENT

UNIT SUCTION PENDANTS

The Hanging Suction tray by Airel-Quetin offers an optimised organisation of instruments. Each instrument is within reach, close to the patient's head, for smooth and comfortable work. The large version of the tray. Mounted on a balanced arm, the tray can accommodate up to 6 instruments.

- Instruments 'head up': the variable inclination makes them easier to grasp.
- Instrument mobility: adjustable rotation and positioning, for maximum ergonomics.
- Support guide: for precise and safe operation with every use.
- 2 removable trays: for choosing the suitable support



Hanging hoses side

Ambidextrous and fixed to the base of the chair, the tray can accommodate up to 6 tilting instruments. It favours your working position with direct or indirect vision at the 12 o'clock position.



Wall-mounted tray

In a small treatment room, the wall mounting on a counterbalanced arm makes it possible to have a unit with all its features, and adapts to under-cabinet storage to free up the patient reception area.



THE MOBILE CART

The mobile cart has a modern, practical design. Compact, it can be connected to the chair or used independently according to your needs. Ambidextrous, its screen and keyboard can be positioned on the left or on the right to adapt perfectly to your practice. You keep all the functionalities of your instruments, wherever you are in the workspace.

Fully ambidextrous, its screen and keyboard can be positioned on the left or on the right to naturally fit your practice habits. You retain all the settings and performance of your instruments, with the same precision and the same ease of use. Mobile, versatile and perfectly integrated into the Talys environment, the cart offers organisational freedom while maintaining the ergonomic requirements inherent to the chair-table concept.



COMPLEMENTARY MODULES

TALYS CUSHION

Designed to complement the ergonomics of the Talys chair, the Talys cushion provides optimal support for the lumbar area. It promotes an upright back posture and helps limit muscle tension during prolonged treatments. Light and easy to install, it adapts to all patient profiles for a more pleasant care experience. A real asset of Talys, it combines comfort, functionality and well-being.



SUPPORT FLEX SUCTION

Talys incorporates a Flex suction support designed to naturally adapt to the workstation layout. Equipped with two cannulas with automatic selection, it ensures simple, smooth and immediate use. Easy to handle and compact, it positions precisely while maintaining great freedom of movement. Its flexible or articulated arm allows intuitive orientation, perfectly aligned with the movements of the practitioner and the assistant.

Its ergonomic design limits constrained movements and promotes effective suction without interrupting the course of treatment. Compact and discreet, it blends harmoniously with the streamlined aesthetics of the Talys chair. Designed for intensive daily use, it helps maintain a structured and controlled working environment. A simple, reliable solution, perfectly integrated into the practice's hygiene protocols.



CONTROL SCREENS

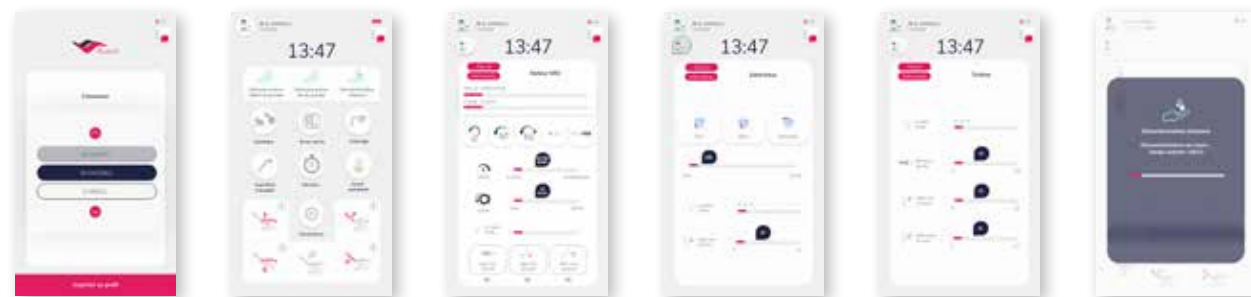
Designed to support you at every stage of care, Arel-Quetin control screens combine ergonomics, precision and hygiene. You have instant access to all the unit's functions and can customise your settings according to your treatment protocols.



EVO.2

The high-definition colour touchscreen.

With its 7-inch colour HD screen, EVO.2 offers full, intuitive control of the unit. Each instrument can be adjusted precisely and programmed to define treatment protocols.. Fully sealed for impeccable hygiene, EVO.2 integrates the latest technological developments (Wave One, video surveillance camera, etc.) for a smooth, personalised and scalable working experience.



Access to different user profiles with access control.

General menu: access to chair positions, stopwatch, camera..., and to the settings and parameters of the interface

Pre-selection of micro-motor speed, torque setting, auto-reverse, wave-one, auto-forward.

Piezoelectric scaler power adjustment
Selection of perio/ endo modes /scaler.

Adjustment of light intensity and the sprays' air and water flow rates.

Disinfection of the dental unit and purging of instruments (daily, weekly and intensive protocols)

NEO.2

The monochrome touchscreen.

Compact and ergonomic, the NEO.2 screen displays all the unit's functions on a backlit monochrome touchscreen. Its total sealing guarantees perfect hygiene and exceptional longevity. As on the EVO.2, thanks to storage on a USB stick, personal settings can be retrieved on any other chair with ease. A reliable and practical tool, ideal for day-to-day work with complete peace of mind.



General menu: access to chair positions, stopwatch, and to the settings of the interface and of instruments.

Display and pre-selection of micro-motor speed. Torque setting and auto-reverse and auto-forward functions.

Piezoelectric scaler power adjustment
Selection of perio/ endo modes /scaler.

Adjustment of the light intensity, and the air and water flow rates of the sprays.

Access to chair memory settings, time, date, languages, etc.



THE WIRELESS FOOT CONTROL

The wireless foot control offers total, unconstrained control of the unit and combines ergonomics, precision and hygiene. With its unique progressive control, all the essential functions of the chair and of instruments can be operated from the foot, without cables, for unrivalled workflow fluidity. Thanks to the progressive control, the speed of instruments, the power of the scaler or the intensity of the spray can be adjusted precisely. The Chip Air and Chip Water functions can be activated instantly, as can the chair movements or access to the stored position programmes, with a single press.

Ergonomics and optimal hygiene

Available in “depress” or “lateral” versions, the pedal naturally adapts to posture and working habits. Its wireless operation offers great freedom of movement and avoids any unnecessary touch, for impeccable floor hygiene. Its long-life battery, able to last several months, ensures reliable operation throughout the day.

Advanced features to enhance your efficiency

- Manual or automatic Suction
- Control of the chair and cuspidor, programmed or manual movements
- Safety stop with a single press on the hoop
- Simplified Cleaning: temporary screen lock to prevent any unintentional activation during cleaning.

HYGIENE AT THE HEART OF YOUR DENTAL PRACTICE

Dental surgeries are particularly sensitive to microbiological contamination. Given the nature of care, they are at the crossroads of two tracts (digestive and respiratory), with possible exposure to blood, aerosols and complex equipment. The water used in a dental surgery can be a source of contamination, whether from sprays, of instruments or aspiration systems. These factors promote the spread of infectious agents (for the practitioner, care teams and the

patient) if strict measures are not applied. For over 35 years, Airel-Quetin has placed hygiene at the heart of the design of its dental chairs. A pioneer in integrated decontamination, the group has developed exclusive solutions to ensure the safety of the practitioner and the patient at all times. We have designed two complementary technologies, integrated into the chair, guaranteeing controlled hygiene across the entire care pathway.

THE SPRAY WATER



IGN®

Fully automated decontamination system for spray water, connected to the mains water supply. Available in an external housing or integrated into the chair, IGN Evo® guarantees continuous and reliable water treatment for each patient.



Calbenium®

Disinfectant and descaler for all circuits of dental units, including aerosols. Usable with IGN Evo® or alone, Calbenium® ensures water that is always clean, safe and compliant with the strictest hygiene standards.



IGN Cartridge®

This complementary filter cartridge continuously purifies the water of the sprays when combined with IGN Evo® and Calbenium®. It maintains an optimal level of safety and protects your patients at every treatment.

THE INSTRUMENTS AND HOSES



Aspisept®

Internal decontamination system for suction lines with Calbenium®. Each line is automatically cleaned and purified, without complex handling, for consistent, controlled hygiene.



Calbepuls®

Rapid, effective decontamination process for instrument heads by a pressurised jet of air and water enriched with Calbenium®. It eliminates any risk of residual contamination after each procedure, ensuring the safety of both practitioner and patient.



Calbenium® SPRAY

Solution ready to use, alcohol-free and non-corrosive, designed for cleaning and disinfection of surfaces.



THE SEATS

We know that every movement matters and that posture directly affects the comfort and precision of daily work. That is why we offer ergonomic, adaptable and high-performance operator seats, meeting the specific needs of every healthcare professional, while combining aesthetics and functionality.



HARLEY

The Harley seat optimises comfort and posture during long procedures:

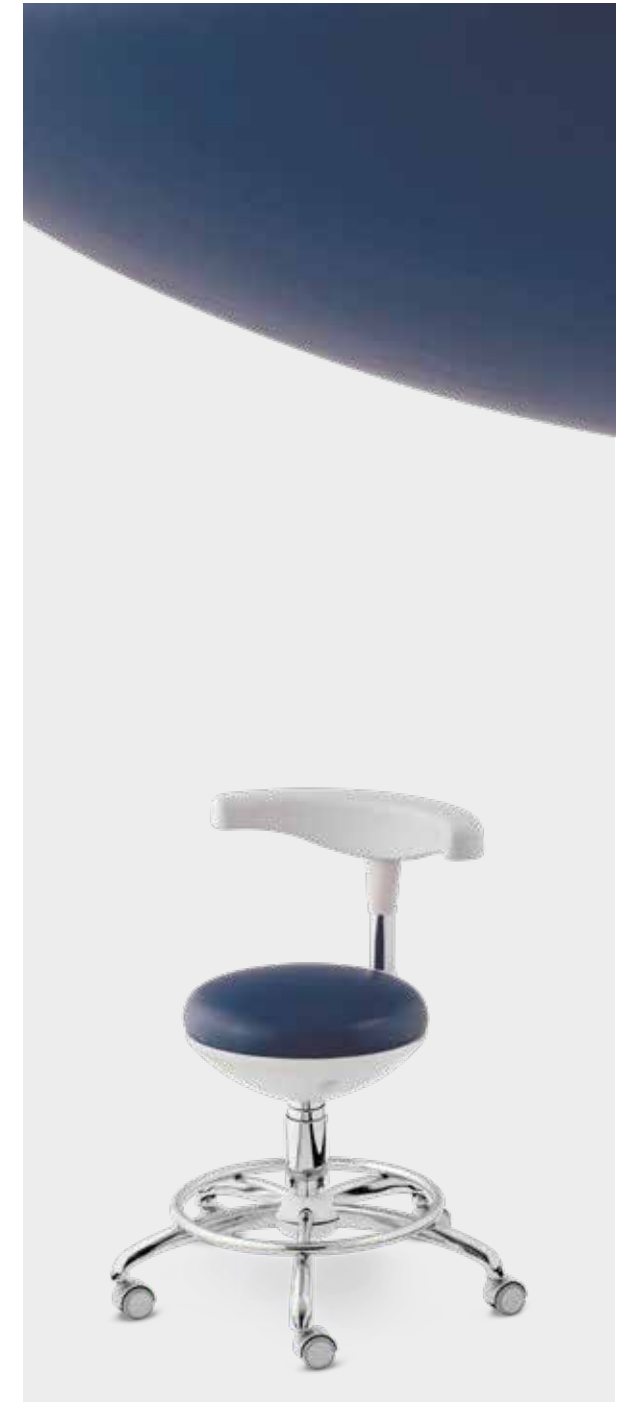
- Customisable upholstery
- Back support and leg inclination designed to reduce fatigue.
- Support surface increased by 20% by extending support to the thighs, for lasting, superior comfort.



SYNCHRO

The Synchro operator's stool combines ergonomics and practical support, for accompanying every movement with fluidity:

- Customisable upholstery.
- Optimal back support, ensuring stable comfort throughout the day.
- Integrated footrest, for a naturally balanced sitting position.



ASSIST

The assistant's seat combines practicality and tailored comfort:

- Customisable upholstery
- Multifunction backrest serving as a support or armrest depending on the procedure.
- Integrated footrest for a stable and relaxed position during procedures.

Seat padded with double-foam,
a large number of colours
available.



Right side pedal:
controls sprays,
the spittoon or the
movement of the
controls.

Left pedal: controls the
instruments and locks the
seat rotation.

NIRVA 13

Ergonomics and comfort all in one.

The 'kneeling sitting' position was the result of the search for a more comfortable and less pathogenic working posture. This position has an ergonomic particularity, which is the eye-pelvis-knees triangulation.

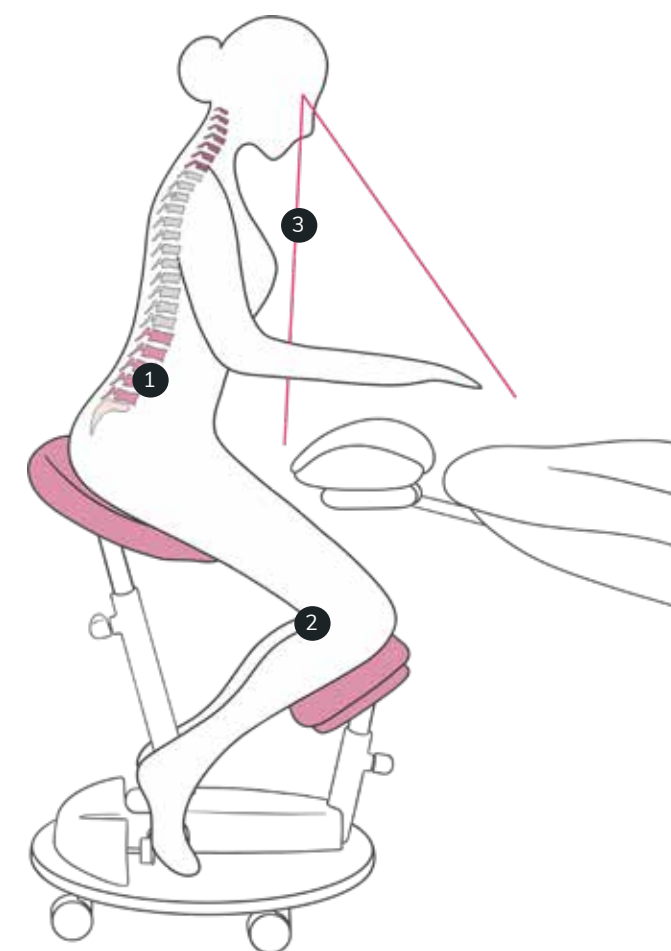
From now on, when the practitioner bends over, they do not bend their spine but rely on the body's natural rotation at the hips **(1)**.

Its primary advantage is that it does not cause spinal, circulatory or respiratory disorders: the rib cage is no longer compressed because the back remains straight. As a result, the practitioner does not work while holding their breath and is no longer subject to CO₂ issues present in the blood.

The second improvement compared with other positions is the double support 'buttock-knees', **(2)**. This double support allows better blood circulation. The veins in the hips are not compressed, which facilitates good blood flow. The 'kneeling sitting' position prevents kyphotic resting and engages the lateral spinal and abdominal muscle groups rather than the bony structures.

It should also be noted that, due to the inclination of the legs, the practitioner will be able to position themselves next to the patient without being hindered by the chair, whatever the type. They will then be as close as possible to the patient and have a better direct view of the operative field.

The Practitioner high – Ultra-comfortable low – low tray trilogy allows the practitioner to have a good direct view of the operative field at height **(3)**, without having to contort to access their instrumentation on the tray (over-the-chest whip-arm, independent cart). They can then carry out their work in good conditions, avoiding numerous problems due to poor ergonomics.



COLOUR CHART

Airel-Quetin offers a diverse range of colour charts for its upholstery, combining both durability and originality.

Each colour and texture has been carefully selected to ensure perfect harmony with the ambiances and tones of surgeries, while offering optimal durability.

The selected materials do more than enhance the space; they also deliver performance over time, withstanding daily use. This aesthetic and practical choice thus brings a personalised, elegant touch while meeting the demands of professionals seeking quality and longevity.



THE AIREL-QUETIN GROUP



F1, AIREL® 1985

For over a century, Airl-Quetin has established itself as a French benchmark in the design and manufacture of dental chairs and equipment.

The journey began in 1921 with the company Mangin, continued in 1982 with Airl, then joined with Quetin in 2000, a historic manufacturer founded in 1935. These complementary areas of expertise unite innovation and tradition to offer comprehensive solutions, adapted to all dental disciplines.



Pacific, Airl-Quetin® 2025

Guided by experience and research, we develop ergonomic, modular and design-led solutions, combined with our exclusive integrated decontamination systems (IGN®/Calbenium®). Our objective: to offer practitioners a high-performance, hygienic working environment suited to each dental speciality.

A family-run, independent company, Airl-Quetin places people, quality and innovation at the heart of every project. Our chairs and units are entirely designed and assembled in our Champigny-sur-Marne factory, ISO 13485 certified, a guarantee of compliance and safety. Each item of equipment, a Class IIa medical device (CE marking), is guaranteed for 2 years, with the possibility of extension up to 5.00 years, to sustainably support the practice's activity.



At Airl-Quetin, human relations are essential. Listening, responsiveness and proximity shape our day-to-day support. Our presentation and technical team, present across the entire country, provides personalised support before, during and after the installation.

From universities to private practices, from hospitals to the armed forces, we share the same conviction: to serve, support and protect dental professionals.





THE DENTAL PRACTICE EXPERT
SINCE 1982.



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Airel-Quetin units are Class IIa medical devices,
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