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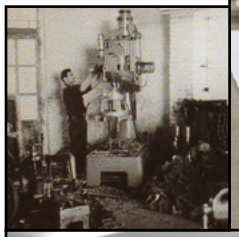
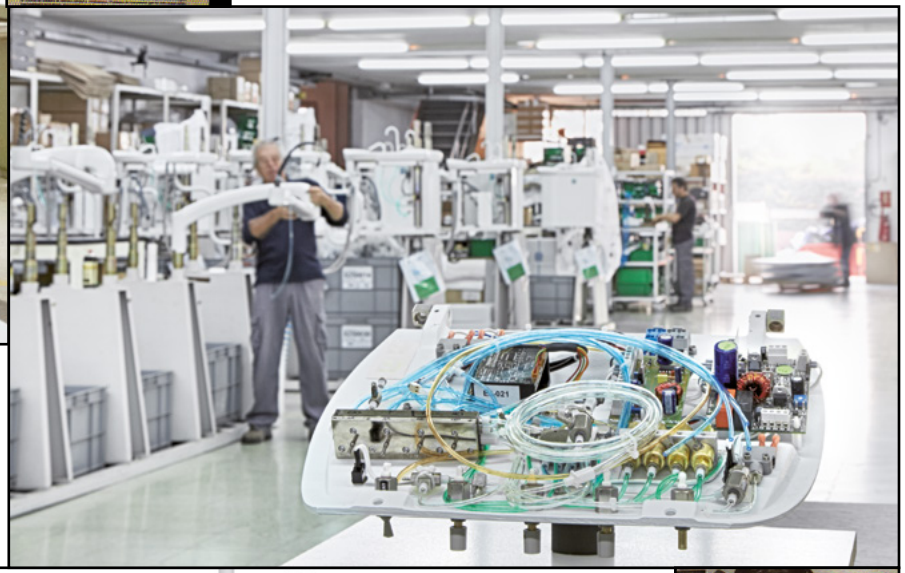
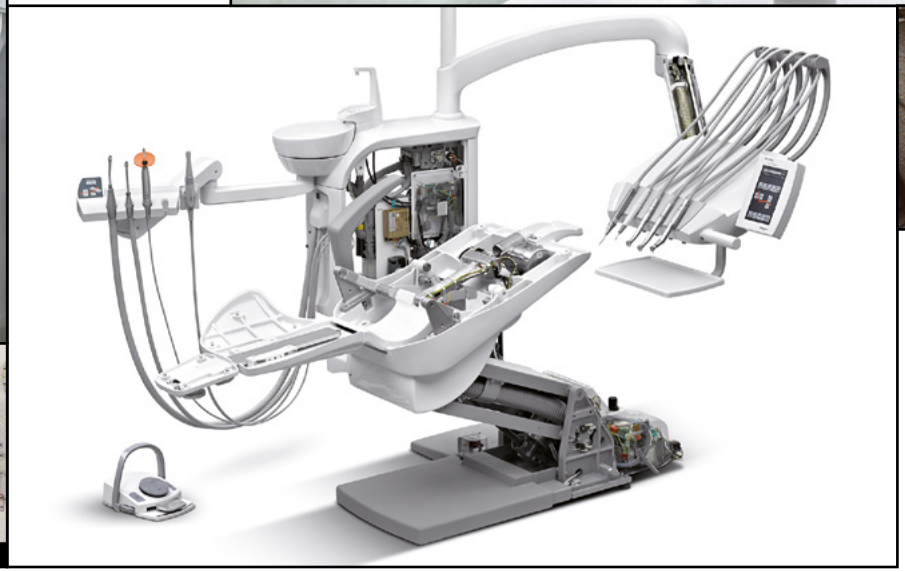
Series 3

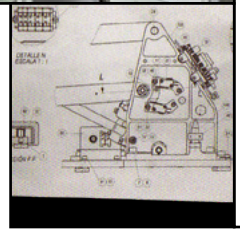
Touch Expert



INDUSTRIAL TRADITION SINCE 1958







TECHNOLOGY, SERVICE AND COMMITMENT

WELCOME TO ANCAR

In 1988 when we presented the Pyrinee model, our first dental unit and at the time the only model manufactured by Ancar, we could not have foreseen, or even imagined, the sharp growth and high renown that the brand would accomplish at international level 30 years on.

The fact is, getting here hasn't been easy, but with a lot of determination, serenity and humility, we carved out a space for ourselves and gained the recognition of an extremely demanding and competitive market, while at the same time laying the foundations of a consolidated brand that is highly valued in 32 countries across Europe, the Middle East, Oceania and the Maghreb.

Since 1958, passion for creation, innovation and design have been the basic ingredients of our activity, with the purpose of offering the sector's professionals quality, durable and high-performance treatment units.

Nowadays, our offering comprises over 40 different models, all manufactured aluminium. Solutions in ergonomics, technology and reliability form the perfect base for the development of a range of dental equipment that guarantee high performance, lasting quality and impeccable output.

The success of Ancar throughout these 60 years of history is not down to any one particular individual. It’s to everyone's merit! Only truly loyal, honest and professional teamwork is capable of justifying our experience and guaranteeing our future.

“This is our history, this is our philosophy, this is our commitment”.

Antoni Carles Bosch
Chairman

Antoni Carles Bosch
Chairman

Series 3
Touch Expert

The **Ancar** Series 3,

electronic treatment units represent the culmination of our broad experience in the world of orthodontics.

In addition to an impeccable design and a construction planned and audited to last, we added the most verified and up-to-date technology, i.e. touch technology.

Our own interpretation of how the machine-user interaction should be. A new experience that makes your work more intuitive, precise, safe, dynamic and profitable.

Sd-300 *Touch Expert*

Electronic treatment unit
(Whip arm system)

or

Sd-350 *Touch Expert*

Electronic treatment unit
(Hanging hoses system)

or

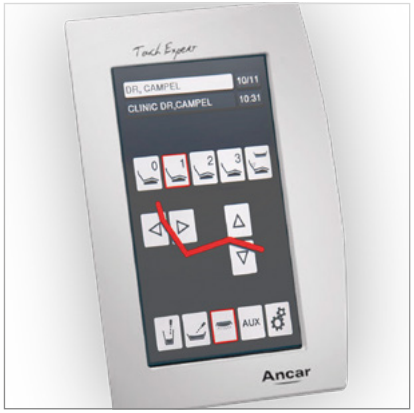
TECHNOLOGY
Touch Expert

THE ANCAR SERIES 3 INCORPORATES WHAT WE HAVE NAMED *"Touch Expert"*.

Our interpretation of how touch technology provides the professional with new experiences and applications to make their work more precise, safe and dynamic.

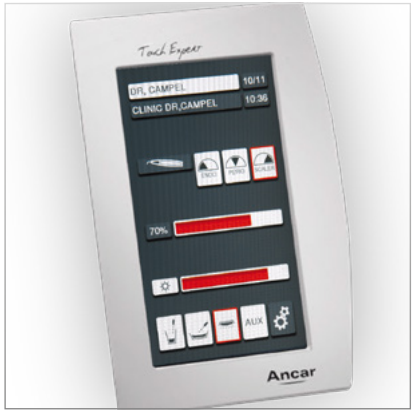
Touch technology is being seen more and more each day in all manner of areas of our society thanks to its simplicity, ease of use and reliability. The interaction, i.e. the dialogue between the machine and the user, its versatility and durability, make this the ideal technology for getting the best performance out of your dental unit.

With "Touch Expert" Ancar aims to offer the professional better performance, maximum precision and information features that verge on perfection. With Ancar's "Touch Expert" Series 3 you will enjoy a whole new experience, one that is not only practical, simple and intuitive but also affordable



Simple, dynamic and clear screen: easy and intuitive use.

Customise your unit: 4 different users.



Configure your instruments based on each intervention.

Evaluate work pace. Get statistics on unit use.

Maximise the performance of your micromotor. Torque control in Ncm, direct or reverse rotation...

Adjust the work parameters of each instrument.

NEW FEATURES

NEW STIMULATING DESIGNS AND INNOVATIONS THAT AIM TO PROVIDE PRACTICALITY, SIMPLICITY AND DURABILITY.

The innovative force and continual improvement of ANCAR in all areas of the dental unit, improve ergonomics, hygiene, safety,... so that the intervention can be carried out in an exceptionally comfortable, safe and reliable manner

Optional: hose support adjustable to 3 positions.

Optional: suction hose selection system.

Hydric unit manufactured in anti-corrosive aluminium.

Optional: wireless pedal.

The basic equipment comes with an articulated headrest. Optional: headrest with 3D movement and manual or pneumatic brake.

The basic equipment comes with a standard tray. Different models of tray such as the one in the photo are available as add-on options.

Sd-300 Touch Expert

Electronic
treatment
unit.
Whip arm system

VERIFIED RELIABILITY.

The peace of mind that comes with optimal functioning is present throughout the entire Ancar range. In modern orthodontics, patients and professionals need to know at all times that they are in “good hands”.

The Sd-300 Touch Expert, in addition to being conceived under efficient parameters in terms of robustness and ergonomics, also predicts and controls any anomaly that could interrupt the normal work process of the professional. Its “Check Control” electronic safety system verifies, upon start-up, that all functions are optimally available to undertake any intervention in perfect instrumental conditions

Optional wireless pedal.

Optional:
hose support
adjustable to
3 positions.

Auxiliary hose support with two suction hoses installed as standard. Option to install a 3 or 6-function syringe and polymerisation lamp.

Hydric unit with 70° rotation.
Allows the auxiliary tray comfortable and close access to the patient.

Sd-350

Touch Expert

Electronic treatment unit. Hanging hoses system

Hydric unit with 70º rotation. Allows the auxiliary tray comfortable and close access to the patient.

Auxiliary hose support with two suction hoses installed as standard. Option to install a 3 or 6-function syringe and polymerisation lamp.

PRECISION IN EVERY DETAIL.

The Ancar Series 3 represents the culmination of a job well done. In addition to its new design, the result of our long-standing experience, and a construction planned and audited to last, we added all the innovation that today's technology brings us.

With this philosophy, the Sd-350 Touch Expert offers the dental professional the highest hopes in terms of working comfort, patient well-being and precision in interventions, with the peace of mind that its verified reliability provides.

Design your instrument layout to suit you, with 5 positions in the main tray and 3 in the auxiliary tray: modular, programmable and extendible

Wireless pedal optional.

Optional: hose support adjustable to 3 positions.

Optional auxiliary tray for the hanging hoses version.
Dimensions of the work surface:
400 x 300 mm.

Extra support for optional syringe.

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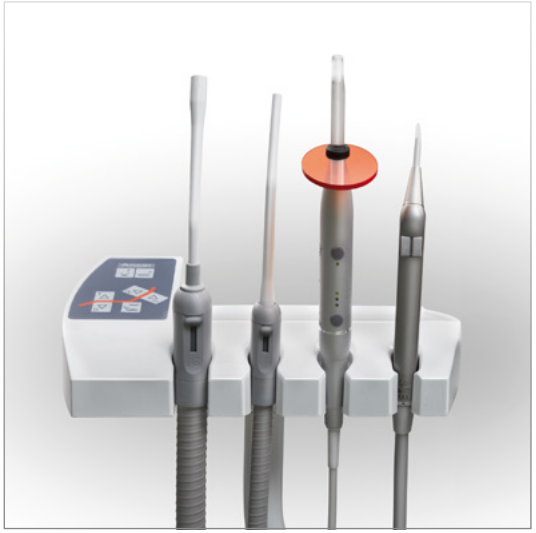
DETAILS THAT MAKE THE DIFFERENCE

QUALITY ON THE INSIDE ALSO

ALUMINIUM CORE



Optional 3 or 6-function syringe or polymerisation lamp.

Removable and autoclavable instrument support.

Manufactured in light anti-corrosion aluminium alloy.

Oil recuperator from rotary instruments.

State-of-the-art and highly robust technical and mechanical solutions.

Excellence in construction details.

CUSTOMISE YOUR UNIT

WIRELESS PEDAL (OPTIONAL)

STANDARD WIRED PEDAL

Proportional electronic pedal with vertical activation for working with/without water, reverse rotation of micromotor, chip blower and chair movements.

DOUBLE SECURITY:

Chair movements will be blocked while the pedal is activated.
Chair movements can be locked using the joystick on the pedal.

Signal and battery status indication on screen *Touch Expert*.

Optional long-distance wireless pedal, with the option to stay operational during recharging.

LED LAMPS

The new generation of high-performance LED lamps have quite a few advantages:

- LED lights generate natural light that improves the clarity provided by halogen light, a wider field of vision, fewer shadows during treatment and whiter cold light.
- LED lights have a longer service life than halogen bulbs, generate minimal heat and consume very little energy.

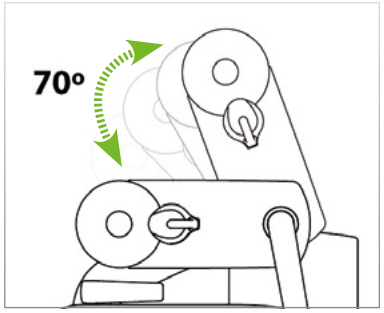
TECHNICAL DETAILS	EVA	MAIA	POLARIS
Light source	2 LED	2 LED's	10 LED's
Colour temperature (°K)	from 2,700 K to 5,700 K	5,000 K	from 4,200 K to 5,800 K
Brightness (lux)	from 11,000 to 50,000 lux	from 3,000 to 35,000 lux	from 8,000 to 35,000 lux
Colour rendering index (CRI)	>95	85	>85
Lighted area (mm)	190 x 100	170 x 85	140 x 70
Power supply	24 vac 50/60 hz	17-24 vac 50/60 hz	12-24 vac 50/60 hz
Power consumption	24 V CA 26 VA / 32 V CC 14 VA	9 VA	29 VA
Warranty	24 months	12 months	24 months
Certified in accordance with the directive	93/42 CE class I	93/42 CE class I	93/42 CE class I

MORE ADVANTAGES

NEW HYDRIC UNIT ELEGANT, HYGIENIC AND FUNCTIONAL

Removable and autoclavable porcelain spittoon cup.

Detachable tap for easier cleaning.



70º rotation to facilitate auxiliary work.

Optional: Suction hose selection system. Quick connection kit: USB port + air/water input + 230v output

Door with tip-on system for easy access to the interior.

AMALGAM DISINFECTION AND RECOVERY SYSTEMS

Instrument hose disinfection

WEK

- Water decontamination for instrument hoses.
- Combined and automatic decontamination cycles of water circuits in rotary instruments.
- Non-toxic, continuous and effective decontaminating effect.
- Automatic supervision of sterilized dosing.
- Maintenance-free operation.

Suction hose disinfection

H1

- H1 system for continuous cleaning and complete disinfection of the suction system.
- Does not require additional manual disinfection.
- The H1 includes the automatic suction hose selection system.

New self-service water system

“Self-Water System” Bottle Kit

- Independent water supply system for the equipment instruments.
- The equipment water circuit has been designed so the water cannot return due to loss of pressure. This prevents water used for different purposes from getting mixed together, thereby impeding cross contamination with the water from the public water supply and vice versa.
- This system guarantees compliance with standard EN1717.

Amalgam recovery

TYPE-1

CAS-1

- Systems to recover amalgam and separate conduits for air and water with a selection valve for dry or wet suction.

CUSTOMISE YOUR UNIT

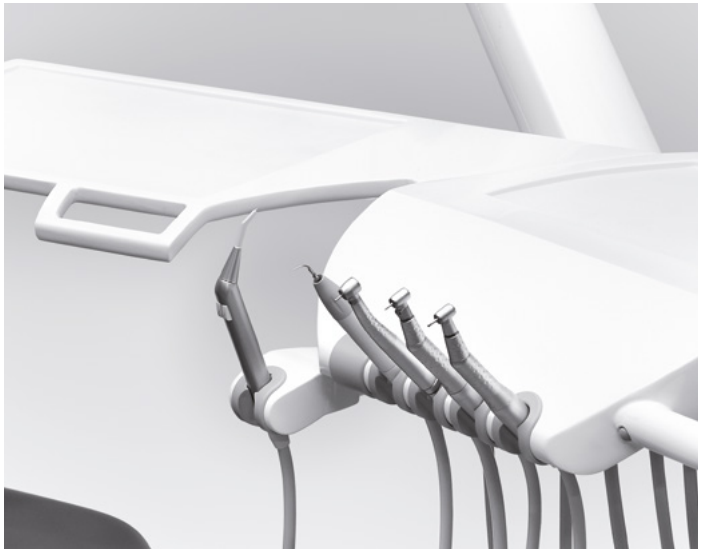
IMAGING SYSTEMS

24 Vcc. 17” LCD monitor with high resolution (1280 x 1024). Durable, versatile and high-performance screen with a wide range of integrated video options, designed specifically for dentist surgery settings. Optical, anti-glare glass and metal casing.

“Faro” arm for LCD monitor with a dual rotary shaft and vertical tilting.

ONLY FOR SD-350 (hanging hoses version)

Possibility to add an extra instrument holder and have 6 instruments on the dentist’s instrument tray.



Possibility of configuring your dental unit with different INSTRUMENTS from major brands:

SYRINGES

LUZZANI DENTAL

POLYMERIZE LAMP

acteon

MICROMOTORS

BienAir Dental

NSK

SCALERS

EMS

NSK

acteon

TURBINES

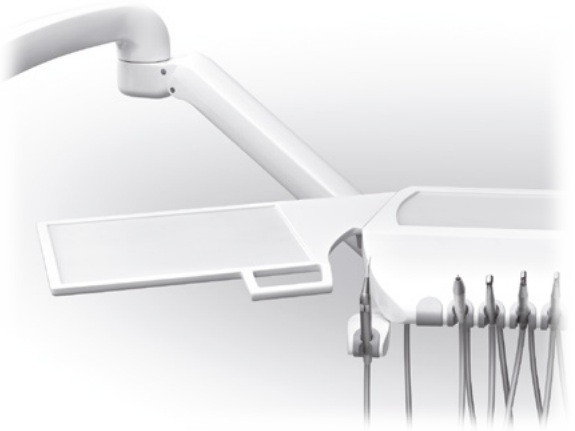
Compatible with all brands.

AUXILIARY TRAYS

Standard auxiliary tray (285 x 190 mm).

Large auxiliary tray (350 x 230 mm).

Double auxiliary tray (410 x 310 mm).



Auxiliary tray (400 x 300 mm). For hanging hose version. Includes additional syringe support.

Tray on the auxiliary support.

Ancar UNI Tray

Tray holder with removable silicone protection.

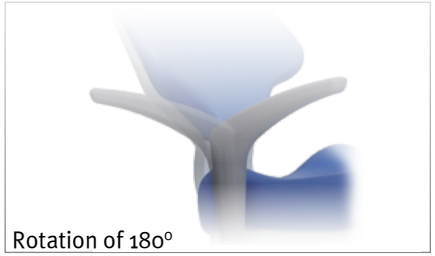
STOOLS

Td 600

Td 700

Td 800

OPTIONAL RIGHT SIDE ARMREST



Rotation of 180°

HEADREST AND BACKREST

Multi-functional articulated headrest included in the standard equipment, option to upgrade to 3D movable

Ergonomic headrest with circular movement and pneumatic brake or manual brake (optional)

Axis travel 170 mm

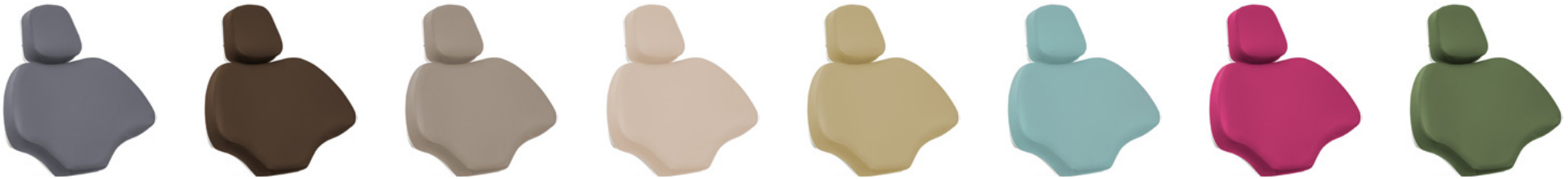
STANDARD UPHOLSTERY COLOURS

400 Yellow | 405 Purple | 410 Pastel Blue | 425 Silver Grey | 435 Pearl Black | 440 Pastel Green | 445 Pearl Green | 455 Pearl Blue | 470 Dark Blue | 475 Garnet | 480 Gold

SOFT EASE UPHOLSTERY COLOURS (OPTIONAL)

810 BLACK | 837 DARK BLUE | 838 BRIGHT BLUE | 839 TURQUOISE | 840 AUBERGINE | 841 CARMIN | 842 CORN | 843 BAMBOO

SOFT ELEGANCE LUX UPHOLSTERY COLOURS (OPTIONAL)



820 GRANITE | 844 COFFEE | 845 ASH | 846 BLUSH | 847 NUDE | 848 BALTIC BLUE | 849 FUSHIA | 850 KAKI GREEN

TECHNICAL DETAILS

FUNCTIONALITY

- Chair with elevation range from 400 to 810 mm to work sitting or standing.
- Connections box built into the base of the chair.
- Up to 8 instruments: 5 in the main tray and 3 on the auxiliary support.
- Multi-function and proportional electronic pedal with water selection, micromotor rotation reversal, chip blower and chair movement functions.
- Auxiliary tray (285 x 190 mm) for small hand-held instruments.
- Option to exchange turbine and micromotor (M4o) in a single hose.
- Automatic ON/OFF of the lamp when resetting to zero or returning to spittoon.
- Individual regulation of water flow for each instrument.
- Quick connection kit: USB 2.0 port + air/water input + 230 V output integrated as standard.
- ON/OFF of water and air supply built into the unit's main power switch.
- Programmable lamp effect in selection of instruments with built-in light.
- 6F Syringe. Stainless steel installed as standard.

PROGRAMMING

- Electronic unit controlled by microprocessor and touchscreen "Touch Expert".
- Equipment autotest in the start-up.
- Identification of the dental centre, date and time.
- Programming for 4 different users and instrument settings for each one.
- Programming of work parameters of the ultrasounds in ENDO, PERIO,SCALER, working range and brightness on the instruments.
- Adjust the working parameters of the micromotor (with ENDO functions): torque control in Ncm, direct or reverse rotation, irrigation mode (spray/ water/air), type of counter angle and two speeds (200 at 40,000 rpm and 100 at 4,000 rpm).
- Graphic visualisation of the power level of the ultrasounds and the real speed of the turbine.
- Statistics on the use of the unit: chair movements, use of the instruments, frequent notifications and recent notifications.
- System for detection and control of anomalies and notifications.
- Selection of working language.
- Countdown timer function.
- Electronic regulation of filling time for water in cup and spittoon working together or separately.
- Update Device System incorporates the latest programming updates even two years after acquisition.
- Automatic chip blower programming.

ERGONOMICS

- Electric chair with Trendelenburg and 5 memory settings (three working positions, reset to zero and return to spittoon).
- Multi-positional articulated headrest with a minimum height of 365 mm, facilitating intervention on upper teeth.
- Hydric unit with 70º rotation, facilitating auxiliary work.
- Chair movements operation available by the control pedal or the keypad (main and auxiliary).
- Instrument arm and tray with mechanical compensation and pneumatic brakes: greater manoeuvrability with less exertion.
- Optional right armrest with 180º rotation.
- Optional: hose support adjustable (3 positions).
- Optional: ergonomic headrest adjustable to same level as the backrest.
- Optional narrow backrest.

SAFETY FEATURES

- In auxiliary hose, backrest and chair base.
- Movements using main and auxiliary keypads.
- In the optional movements (turbine, micromotor and ultrasound) through the regulation pedal.
- In the selection of a second instrument.
- Unit designed in accordance with healthcare product standard 93/42/CEE, the design and construction of which complies with the safety requirements of the dental product regulations and IEC standards.

HYGIENE

- Removable and autoclavable silicone instrument support.
- Standard removable and thermo-disinfectable suction hoses.
- Easy-to-clean suction filter.
- Removable and autoclavable spittoon cup at 135º.
- Cup tap removable for more conformable cleaning.
- Oil recuperator from rotary instruments.
- Designed for easy cleaning and disinfection.
- Optional "WEK" system for water decontamination in instrument hoses.
- Optional "H1" system for disinfecting suction hoses.
- Amalgam recovery systems and dry or wet suction.

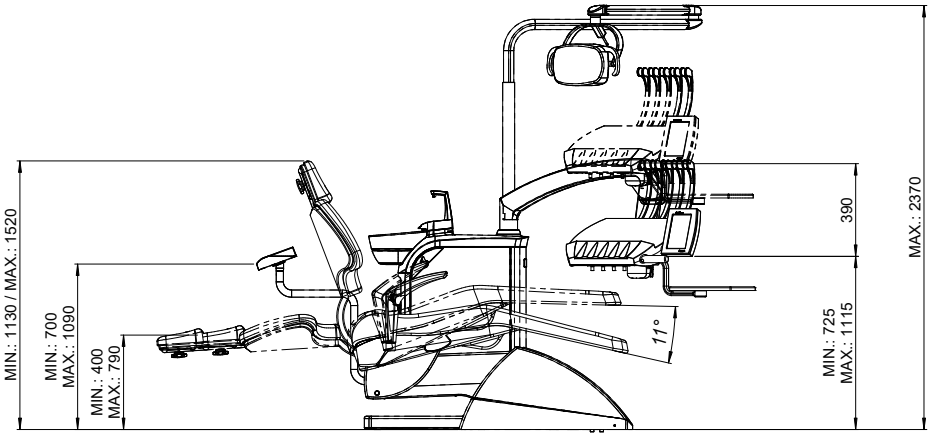
MATERIALS

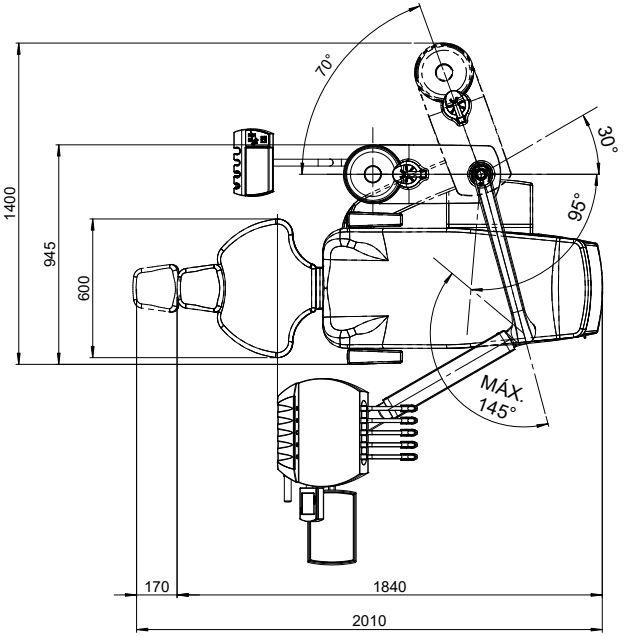
- ALUMINIUM CORE: Unit, chair and pedal made in light anti-corrosion aluminium alloy.
- Porcelain spittoon cup.
- "Standard" and "SOFT EASE" upholstery of high quality, hygienic, flame retardant, permeable to steam and air, highly elastic and smooth to the touch.

ANATOMY OF THE TEETH

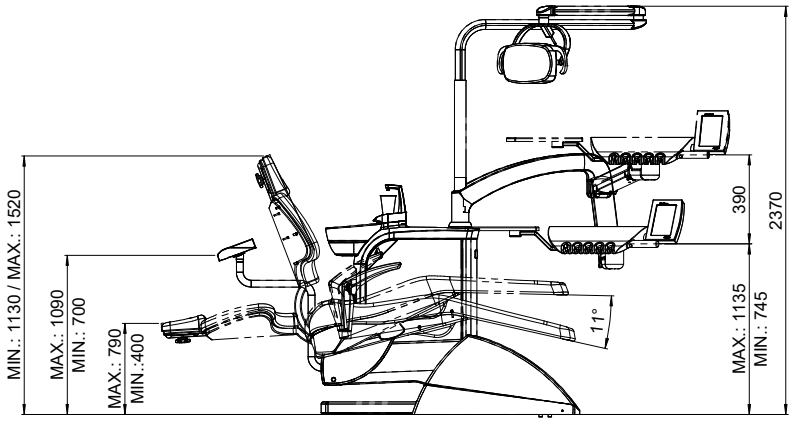
DIMENSIONS

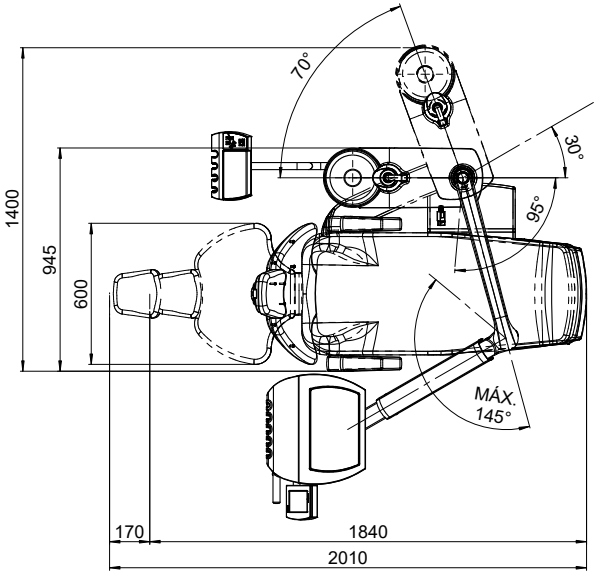
Sd-300 *Touch Expert*





Sd-350 *Touch Expert*





TECHNICAL DETAILS

Voltage	220 - 240 V~
Frequency	50 Hz
Air pressure	5,5 Bar
Water pressure	3 Bar
Maximum Power consumption	900 W
Electrical protection class	I
Type of Operation	Intermittent
Maximum load (patient)	160 kg
Maximum load instrument tray	2 kg
Electric micromotor instrument	24 Vdc / 65 W
MX Electric micromotor instrument	24 Vdc / 60 W (130 W peak)
Bulb for instrument light	3v – 7v / 2.5 W
Ultrasound	24 Vac / 35 W
Polymerising Lamp	24Vac / 150 W
6F Syringe	24 Vac / 150 W

Unit Classification Standard 93/42/EEC	Class IIa
Type of insulation	Type BF
Net / gross unit weight	240 kg / 290 kg
Type of Dental Unit	Electronic
Type of installation	Permanent
Main fuse	T 6.3 A / 250 V
Movement card fuse	T 32 mA / 250 V
Primary transformer fuse, 9015093 PCB	TT 2.5 A / 250 V
1st line Protection 24 Vac (yellow/blue)	Polyswitch RUE400
2nd line Protection 24 Vac (blue/brown)	Polyswitch RUE400 + RUE600
Line protection 17 Vac (red/red)	Polyswitch RUE600 + RUE185
Auxiliary Outputs 24Vac	4 x hydric box
	3 x instrument trays
	1 x connections box
Suction connection	500 W / 230 V Relays 20 A / 250 V
AUX potential free contact in connections box	Max 250 V / 5 A
Main solenoid valves	24 Vdc

QS4 LEA 222
Subject to changes in design and/ or specifications without prior notice. Manufactured in Europe. May 2024.

Management System
EN ISO 13485:2016

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