



# Ancar

DENTAL  
INTELLIGENCE  
*with heart*

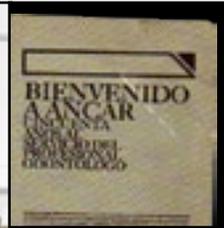
Since 1958



Simple  
Smart  
Solid

## Series 3

*Touch Expert*



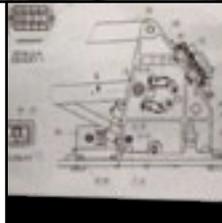
MANUFACTURING TRADITION SINCE 1958.



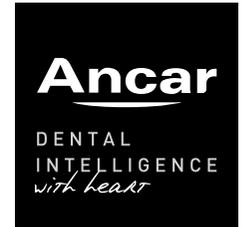
**Ancar**  
DENTAL  
INTELLIGENCE  
*with heart*



TECHNOLOGY, SERVICE AND ENGAGEMENT.



# WELCOME TO ANCAR



Since 1958

■ Welcome to the world of Ancar where we believe work is about pleasure and joy. Despite the international growth of our company, we have not lost our “family spirit”, nor innovative focus since 1958.

Please join us in our world, where stylish design meets strong and reliable construction. Please enjoy the pleasure of innovation whilst maintaining great value for money.

Please discover the honest and committed after-sales team behind the perfect product.

We love to offer our clients the very best, because we trust the excellent ergonomics and reliability of Ancar ■



# Series 3

*Touch Expert*



## The new Ancar Series 3,

electronic treatment centre, represents the culmination of our extensive experience in the dentistry world.

A flawless design and the planned and an audited construction are meant to last, thereby it is the proven and current touch technology innovation.

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

'Touching technology' is Ancar's promise to offer professionals more benefits, maximum precision and informative details with a perfection of quality.



## Sd-300 *Touch Expert*

Electronic treatment centre  
(Whip arm delivery system)



## Sd-350 *Touch Expert*

Electronic treatment centre  
(Hanging hose delivery system)



Simple  
Smart  
Solid



## Sd-80 *Touch Expert*

Electronic treatment centre  
(Unit + Cd-80 *Touch Expert* Mobile delivery cart)



## Cd-80 *Touch Expert*

Electronic mobile delivery cart

# TECHNOLOGY

*Touch Expert*

## THE TREATMENT CENTRES IN THE ANCAR 3 SERIES INCORPORATE WHAT WE CALL "Touch Expert".

■ Our interpretation of how technology provides the dental professional with new systems and facilities to make their work more precise, safe and dynamic. Every day, touch technology is gaining more and more ground in our society thanks to its great simplicity, ease and reliability.

The interaction, the dialogue between machine and user, its versatility and its durability make this technology ideal for getting the maximum performance from your dental unit. "Touch Expert" is Ancar commitment to offer the professional greater features, maximum precision and informative details that come close to perfection. With the "Touch Expert" 3 Series by Ancar, you will enjoy a new experience that is as practical, simple and intuitive as it is profitable ■



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



Personalise your unit with 4 different users.



Programme the instruments to your standard settings.



Asses the work pace. Statistics on the unit's use.



Maximize the features of your micromotor. Torque control in Ncm, direct or reverse rotation.

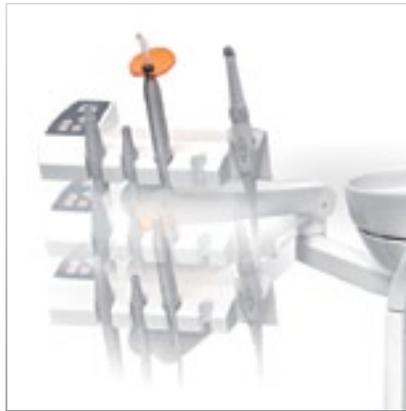


Setting the working parameters of each instrument.

NEW

NEW STIMULATING DESIGNS AND INNOVATIONS  
LOOKING FOR PRACTICALITY, SIMPLICITY AND  
DURABILITY.

■ The innovative power and continuous improvement of Ancar in all the dental unit areas, improve in ergonomics, hygiene, security..., to develop the intervention in an exceptionally comfortable, secure and reliable way ■



Cannulas arm with adjustable height (3 positions).



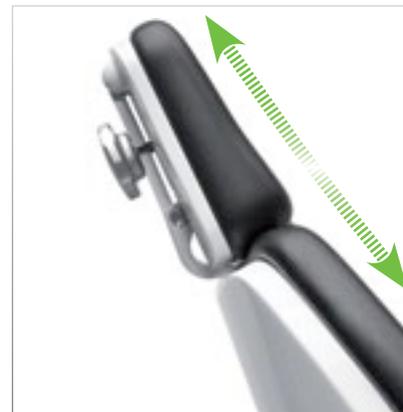
Quick connection Kit: USB port built + air/water intake + output 230 V.



Water box made of anti-corrosive aluminium.



Wireless Foot Pedal (optional).



Multi-position articulated and ergonomic headrest for children and adults.

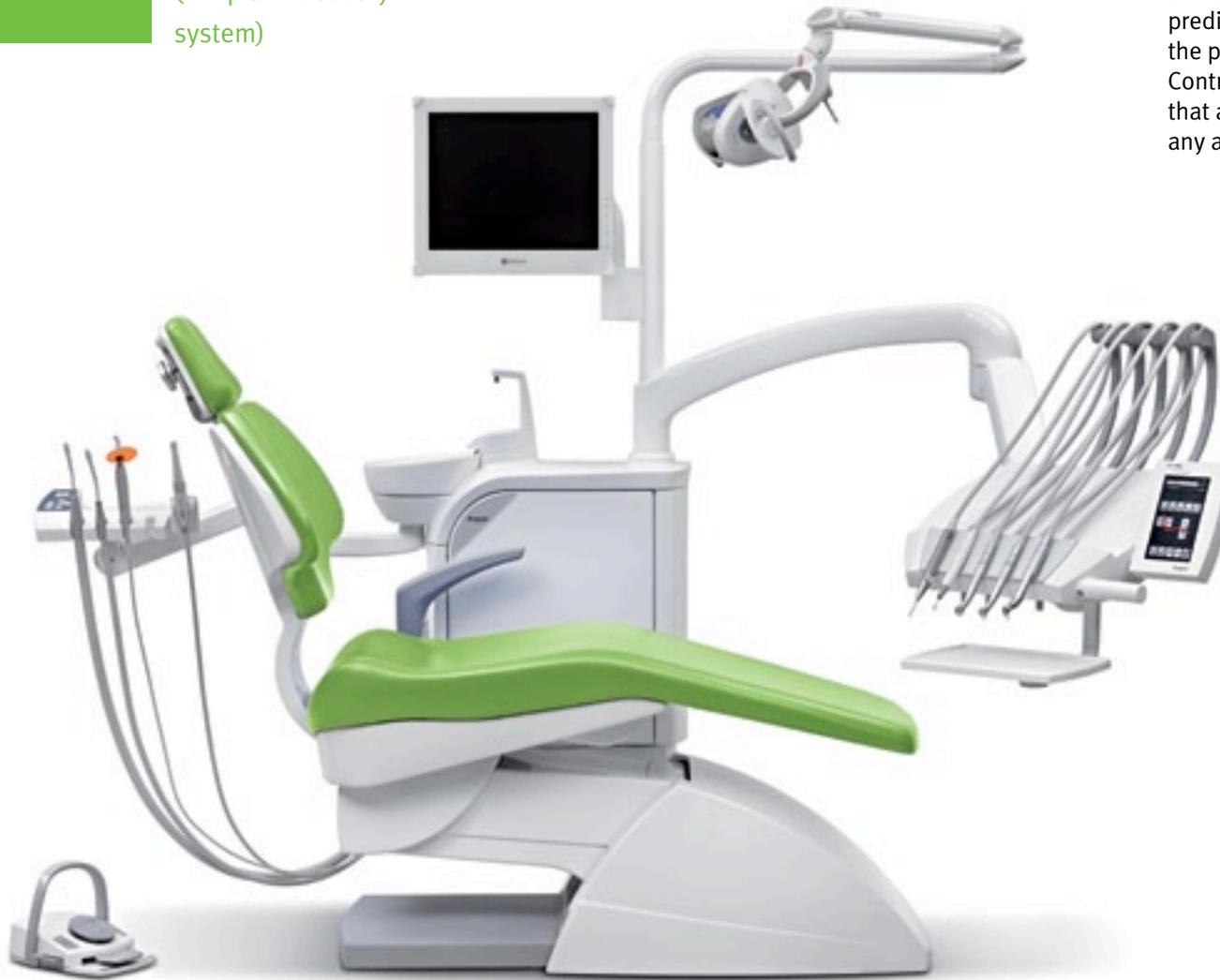


Optional auxiliary tray. Working surface dimensions: 400 x 300 mm.

# Sd-300

*Touch Expert*

Electronic  
treatment centre  
(Whip arm delivery  
system)



## PROVEN RELIABILITY.

■ The whole of the Ancar range features the security of optimum operation. In modern dentistry, patients and professionals need to know at all times that they are in “safe hands”.

Besides being designed under efficient parameters of sturdiness and ergonomics, the Sd-300 Touch Expert predicts and controls any errors that may interrupt the professional’s normal working process. Its “Check Control” electronic safety system checks on start-up that all functions are optimally available to undertake any action in perfect instrumental conditions ■



Auxiliary cannula support with two aspiration hoses installed as standard. Possibility of installing optional 6F inox syringe, polymerize lamp and intraoral camera.



# Sd-350

*Touch Expert*

Electronic  
treatment centre  
(Hanging hose  
delivery system)





Auxiliary standard tray (285 x 190 mm).



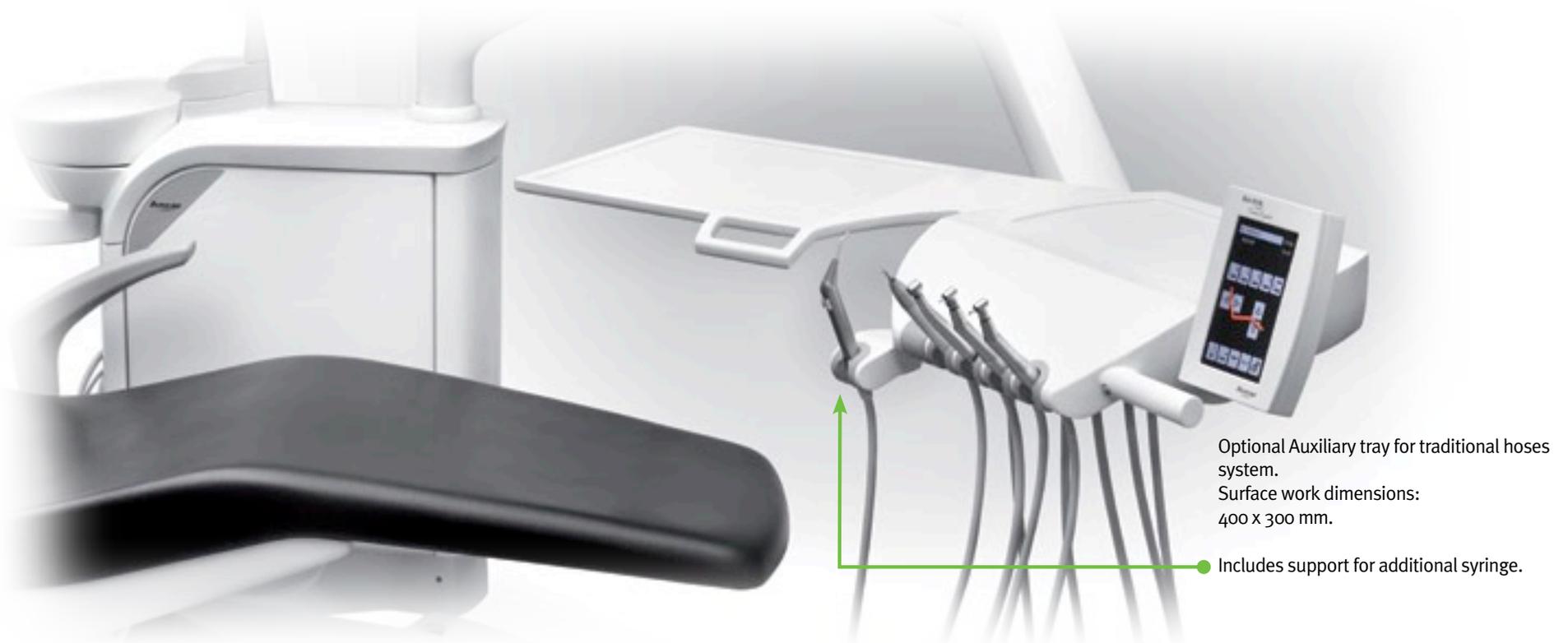
Water box with 70° turn. Facilitates the assistant a comfortable and closer to patient access.

## PRECISION IN EVERY DETAIL.

■ The Ancar 3 Series represents the culmination of a well done job. Added to a perfect design, the result of our extensive experience and the planned and audited construction are meant to last, thereby it is all the innovation that today's technology offer us.

In line with this philosophy, the Sd-350 Touch Expert offers dentistry professionals the maximum aspiration in work comfort, patient well-being and precision in actions with the peace of mind of an approved and tested reliability.

Design the layout of the instrument to suit you, with 5 positions in the main tray and 3 for the assistant: modular programmable and expandable ■



Optional Auxiliary tray for traditional hoses system.

Surface work dimensions:  
400 x 300 mm.

● Includes support for additional syringe.

# Sd-80

*Touch Expert*

Electronic  
treatment centre.

Unit + Cd-80  
*Touch Expert*

Mobile delivery cart



## PURE TECHNOLOGY = MAXIMUM PERFORMANCE.

■ With the Sd-80 Touch Expert unit, any consultation offers your patients the most avant-garde design, features and technology.

Your ability to communicate with the patient is maximized by integrating an LCD touch screen. That way you use pictures to reinforce the details of any information, leading you a new kind of doctor-patient interaction which strengthens the relationship.

The Sd-80 dental unit offers a great deal of versatility and enables you to find usable work spaces where other units would not fit. An infallible formula to find the right and relaxed operative configuration every time ■

# Cd-80

*Touch Expert*

Electronic mobile  
delivery cart



Manual height adjustment and wheel lock system.



Touch screen  
*Touch Expert*

WHERE, WHEN AND HOW YOU WANT IT.

ALUMINIUM CORE: Made of light aluminium alloy, with manual height adjustment and wheel lock.



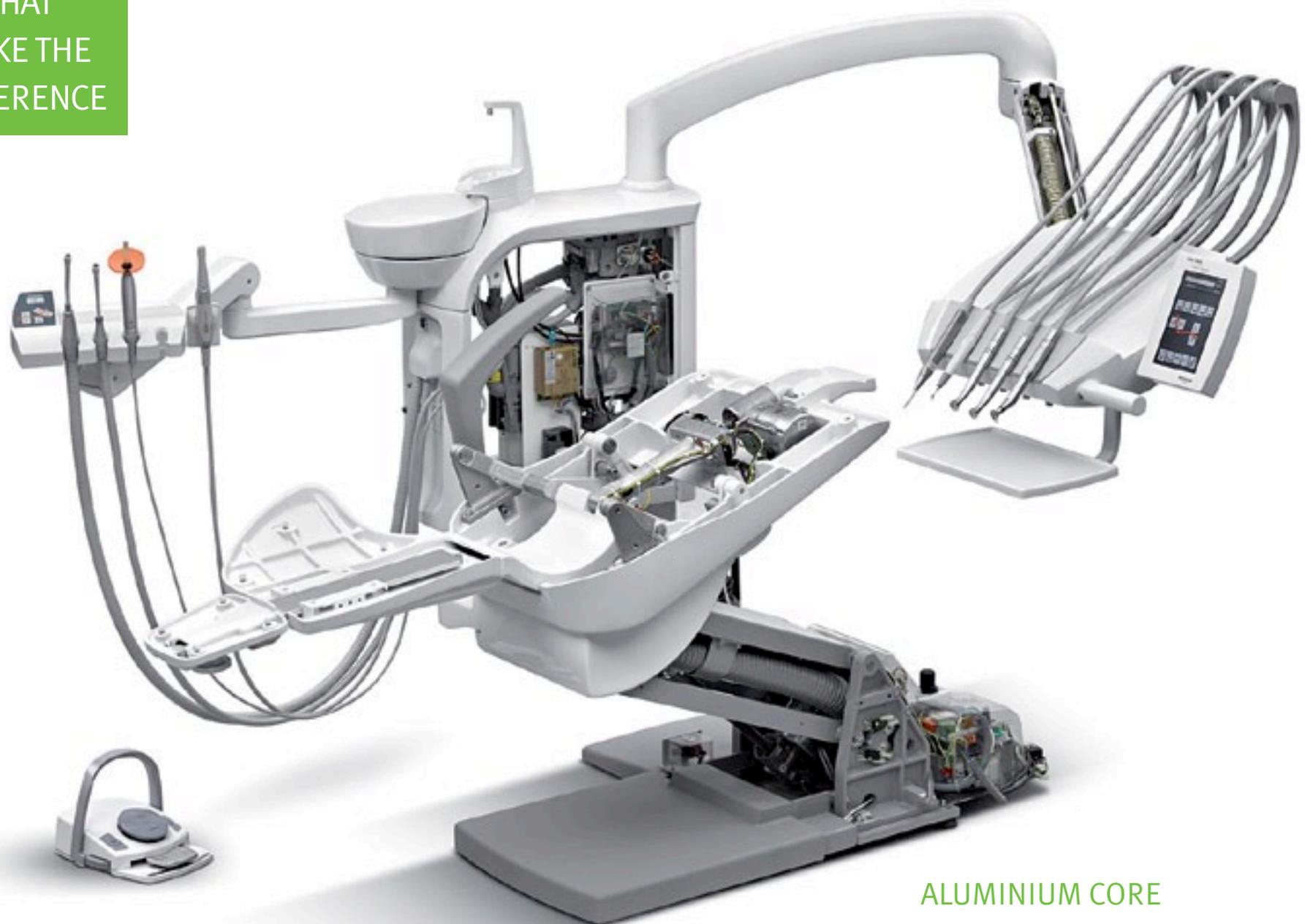
Connections box and electronic pedal.



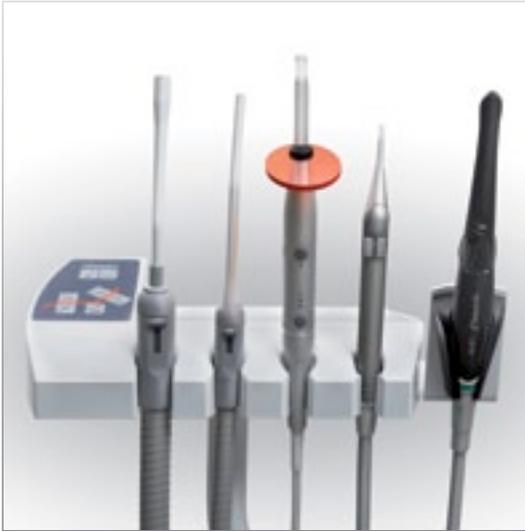
Inside view of automatic connections box.

DETAILS  
THAT  
MAKE THE  
DIFFERENCE

THE QUALITY IS ALSO INSIDE



ALUMINIUM CORE



Assistant support with two aspiration hoses installed as standard. Possibility of installing 6F. Inox Syringe; polymerize lamp and intraoral camera.



Removable and autoclavable instruments support.



Made in light, anticorrosive aluminium alloy.



Rotary instrument oil collector.



Robust build quality and cutting-edge technology.



Excellence in constructive details.

PERSONALIZE  
THE UNIT TO  
SUIT YOU

WIRELESS FOOT PEDAL (OPTIONAL)

Up and down chair and backrest movements.

Micromotor rotation inversion.

Selection of "chip-blower". Short air blow.

Selection of air-water-spay instrument.

Automatic return to zero with a simple pulsation.

Start up and instrument accelerator lever. Increasing proportionality from left to right.

**DOUBLE SECURITY:**  
While the pedal is operating, the chair movements are blocked. Lock chair movements by using the "joystick" pedal.

**PEDAL WITH STANDARD CABLE**

Electronic pedal with vertical activation for working with/without water, micromotor direction inverter, "chip blower" drive and chair movement.

Signal and battery indication on screen.

Optional wireless pedal with long battery possibility to use whilst charging .

## LAMPS

The new generation of high-specification lamps with LED technology offer a wide range of benefits:

- LED lights generate a natural quality light which guarantees sharper vision in comparison with halogen light since they offer a greater visual field, fewer shadows during the treatment process and a whiter cold light.
- LED light sources are longer lasting than the halogen bulbs; with minimum heat generated and lower consumption.



### TECHNICAL FEATURES

	ALYA	MAIA	POLARIS	IRIS	EDI
Technology	LED	LED	LED	LED	halogen
Light source	2 LED's	2 LED's	10 LED's	8 LED's	1 halogen
Colour temperature (°K)	5.000 K	5.000 K	4.200 K to 5.800 K	4.200 K to 6.000 K	5.000 K
Light intensity (lux)	3.000 to 50.000 lux	3.000 to 35.000 lux	8.000 to 35,000 lux	8.000 to 35.000 lux	8.000 to 25.000 lux
Colour rendering index (CRI)	95	85	→ 85	→ 93	95
Illuminated area (mm)	180 x 90	170 x 85	140 x 70	140 x 70	180 x 60
Full HD video camera (pixels)	no	no	no	yes (1,920 x 1,080 px)	no
Power supply	17-24 vac 50/60 hz	17-24 vac 50/60 hz	12-24 vac 50/60 hz	12-24 vac 50/60 hz	17v - 50/60 hz
Consumption	26 W	9 W	29 W	50 W	95 W
Guarantee	24 months	12 months	24 months	12 months	12 months
Certificate according to directive	93/42 CE class I	93/42 CE class I			

PERSONALIZE  
THE UNIT TO  
SUIT YOU

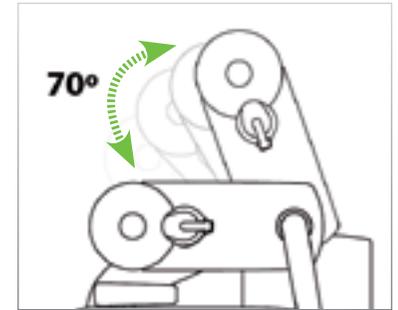
NEW WATER BOX: ELEGANT, HYGIENIC AND FUNCTIONAL



Removable and autoclavable porcelain cuspidor bowl.



Removable cup filler for an easier cleaning.



70° turn for access to the left of the patient and additional working space for the assistant.



Quick connections: USB 2.0 port built + air/water intake + output 230 V.



'Touch Open' door giving easy access inside the cuspidor.

## DISINFECTION SYSTEMS AND AMALGAM SEPARATION



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



H1 system of continuous cleaning and complete disinfection. H1 includes automatic suction hose selection system.



Built-in amalgam recovery and air and water separation systems with selection valve: dry or wet suction.



## NEW “SELF WATER SYSTEM”

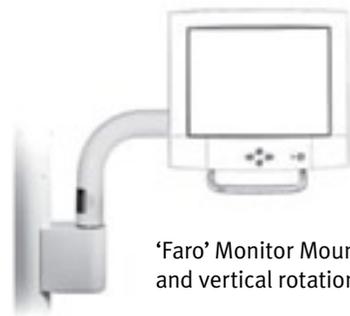


- Independent water supply system for instruments on the equipment.
- The equipment water circuit is designed in order to prevent water returns due to a loss of pressure. Thereby avoiding, the mixture of different water uses, discarding any cross contamination to the public water supply and vice versa.
- This system ensures compliance with regulations EN1717.

PERSONALIZE  
THE UNIT TO  
SUIT YOU

## IMAGING SYSTEMS

LCD monitor 17" to 24", high resolution (1280 x 1024). Lasting screen, versatile and high output display with a wide range of integrated video options, designed specifically for dentistry environments. Anti-glare optical crystal. Metal housing.



'Faro' Monitor Mount with side and vertical rotation.



'Start' Monitor Mount.

Wide range of intraoral cameras with integrated systems, ideal for training and motivate patients in all treatment phases. Clear and simple images for immediate use.

## BRUSH-FREE INDUCTION MICRO MOTOR

Brushless induction and ENDO functions micromotor. It programs type contra angle, the minimum and maximum speed, par, torque, direction of rotation and micromotor light intensity.

High benefits at high and low speed (from 100 to 40.000 rpm), which allows a wide range of interventions:

- High speed for restoration work.
- Low speed (100 - 4000 rpm) for endodontic.
- Automatic reverse rotation when the selected par is reached.

- Automatic return to counter clockwise (adjustable time delay).
- Autoclavable.
- Lighter, powerful and quiet body.
- Virtually no maintenance.
- Long working life.
- Non-vibrating.



## AUXILIARY TRAYS



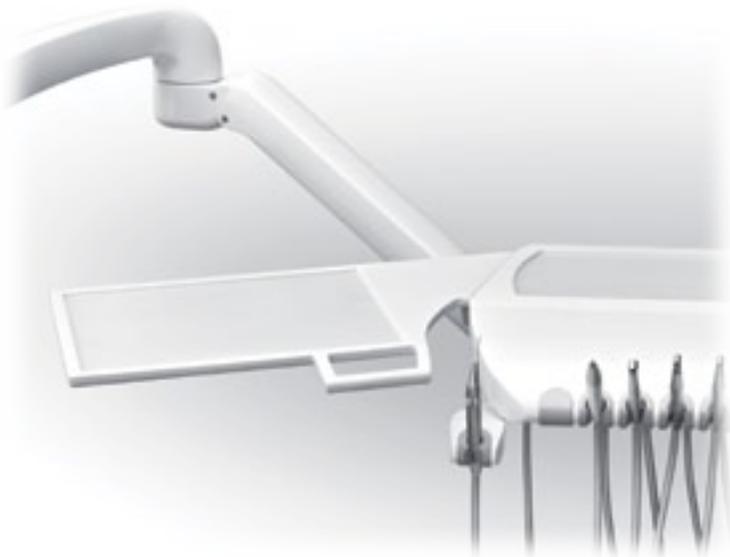
Standard auxiliary tray (285 x 190 mm).



Big auxiliary tray (350 x 230 mm).



Double auxiliary tray (410 x 310 mm).



Auxiliary tray (400 x 300 mm) "For hanging hose version".  
Additional syringe support is included.



Auxiliary tray "Faro" (405 x 365 mm).



Tray holder, removable and with silicone protection.

## CUSHION FOR CHILDREN



## OPTIONAL RIGHT-SIDE ARM



## STOOLS



## HEADREST AND BACKREST



## CUSPIDOR COVER COLOURS



## STANDARD RANGE UPHOLSTERY COLOURS



## “SOFTDRIVE UPHOLSTERY COLOURS”



## TECHNICAL FEATURES

### FUNCTIONS

- Unit with an elevation range from 400 to 810 to work while sitting or standing.
- Connections box in the unit base.
- Up to 8 instruments: 5 in the main tray and 3 in the assistant's tray.
- Multifunctional and proportional electronic pedal with water selection, micromotor reverse turn, "Chip blower function" and unit movements.
- Auxiliary tray (285 x 190 mm) for small hand-instruments.
- Possibility of turbine and micromotor (M40) interchange in the same hose.
- Automatic ON/OFF lamp in rest and return to cuspidor position.
- Individual water flow regulation for each instrument.
- Quick connection Kit: USB 2.0 port built + air/water intake + output 230 V. installed as standard.
- ON/OFF supplying water and air to the unit.
- Programmable torch effect in selecting instruments with light.
- Syringe 6F. Stainless steel installed as standard.

### PROGRAMMING

- Electronic unit controlled by microprocessor with "Touch Expert" display.
- "Autotest" of the unit at start up.
- Identification of the dental centre, date and time.
- Programming for 4 different users and configuration of instruments for each one.
- Programming of ultrasound work parameters in ENDO, PERIO, SCALER, work range, and instrument light intensity.
- Adjustment of micromotor work parameters (with ENDO functions): torque control in Ncm, direct or reverse rotation, irrigation mode (spray/water), type of counter-angle and two types of speed: from 200 to 40,000 rpm and from 100 to 4,000 rpm.
- Graphic display of ultrasound power level and real turbine working speed.
- Statistics of the use of the unit: chair movements, instrument use, frequent warnings and recent warnings.
- System for detecting and controlling faults or warnings.
- Choice of language for working.
- Countdown function.
- Electronic adjustment of the cup water filling time and spittoon bowl flush with combined or individual setup.
- "Update Device" system: includes the latest programming updates even years after purchase.
- Automatic "Chip-blower" programming.

### ERGONOMICS

- Electrically – operated chair with trendelenburg and 5 position memories (three for working, reset and return to cuspidor).
- Multi – position articulated head with minimum height of 365 mm, facilitating treatments in the upper pieces.
- Water box with 70° turn making assistant's work easier.
- Chair movements available on control pedal and keypad (principle and assistant).
- Arm and instrument tray with mechanical compensation and pneumatic brake: better handling with less effort.
- Optional right-side arm turning through 180°.
- Cannulas arm with adjustable height (3 positions).
- Ergonomic headrest at the same level as the optional backrest.
- Optional tight backrest.

### SAFETY FEATURES

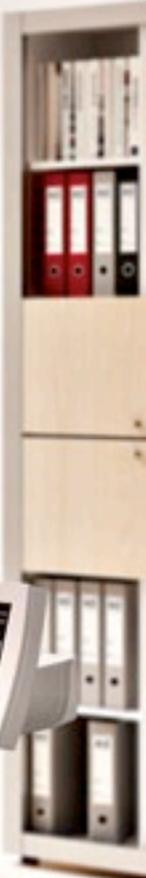
- In support of auxiliary cannula, back and lower part of the chair.
- Of movements by main and auxiliary keyboard.
- On optional instruments (turbine, micromotor and ultrasound) through adjustor pedal.
- In choosing a second instrument.
- Manufactured according to product directive 93/42/CEE, design and construction meeting dental product standards: EN1640/ ISO7494, and safety, IEC standards.

### HYGIENE

- Removable and autoclavable silicone instrument mat.
- Standard suction hoses removable and thermo disinfected.
- Easy-clean suction filter.
- Removable spittoon bowl tray self-fixing at 135°.
- Removable cup filler for easy cleaning.
- Rotary instrument oil recuperator.
- Designed for easy cleaning and disinfection.
- "WEK" optional system for decontaminating water in instrument hoses.
- Optional "H1" system for disinfecting suction hoses.
- Amalgam separation for wet or dry suction systems.

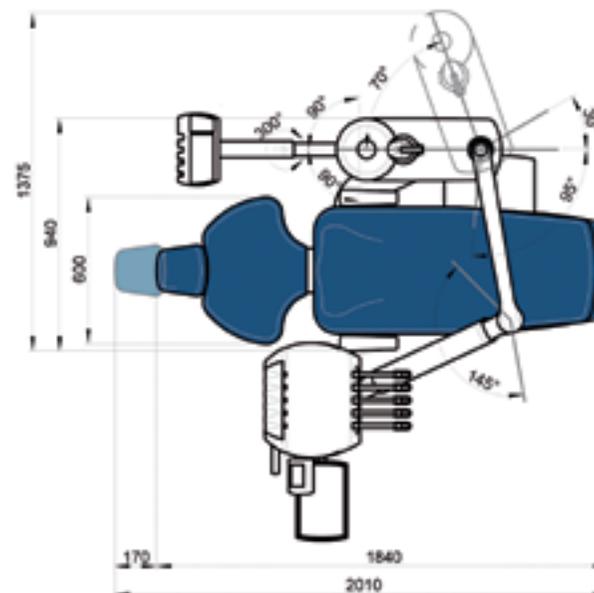
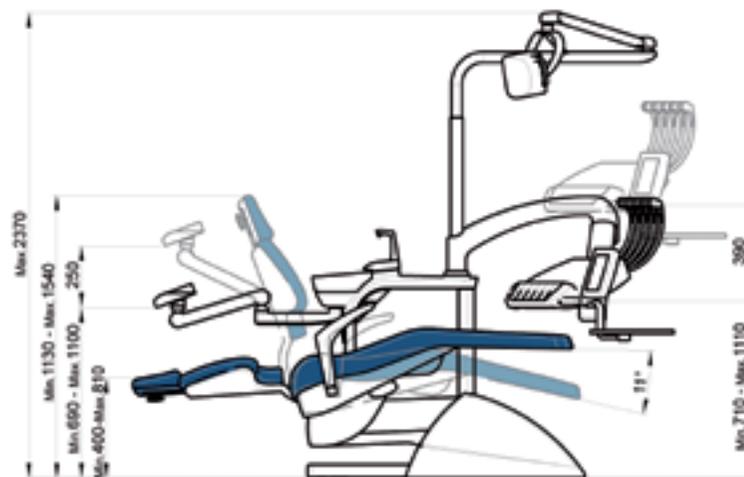
### MATERIALS

- ALUMINIUM CORE: Unit, chair and pedal manufactured in light anti-corrosive aluminium alloy.
- Porcelain cuspidor bowl.
- "Standard" and "Soft drive" upholstery, high quality and hygienic, fireproof, steam and air permeable, highly elastic and pleasant feel.

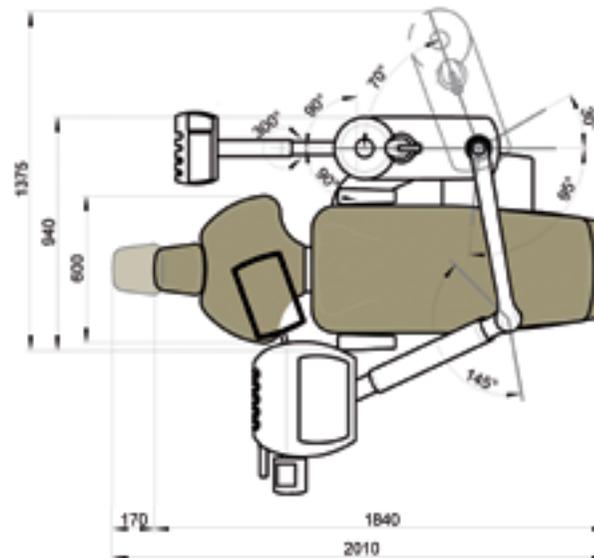
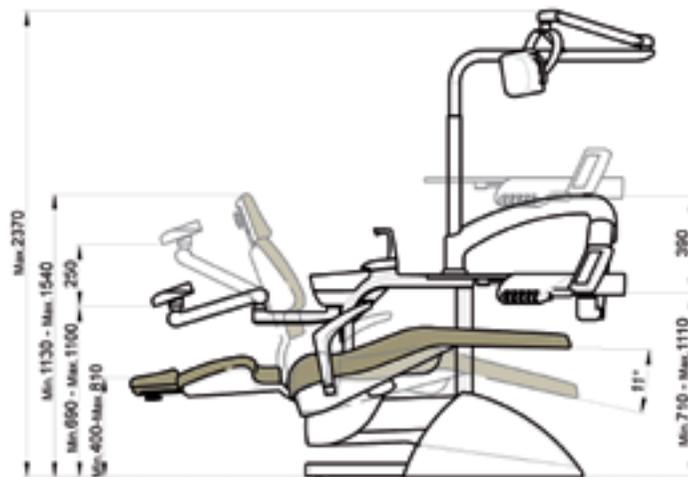


# DIMENSIONS

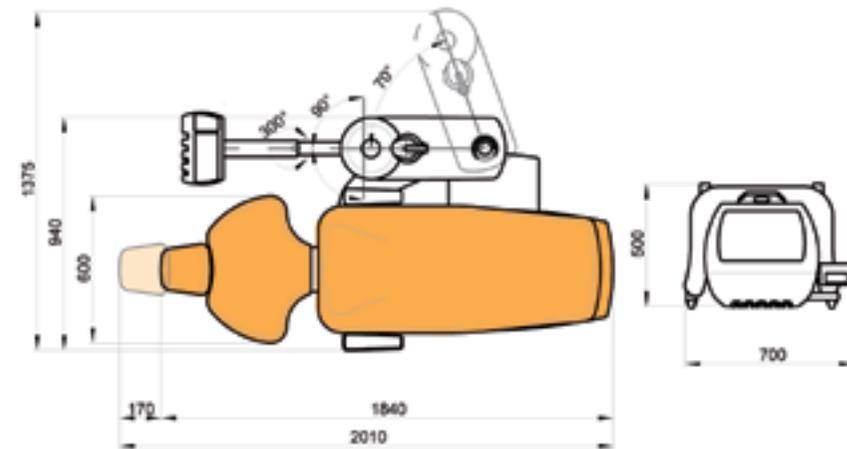
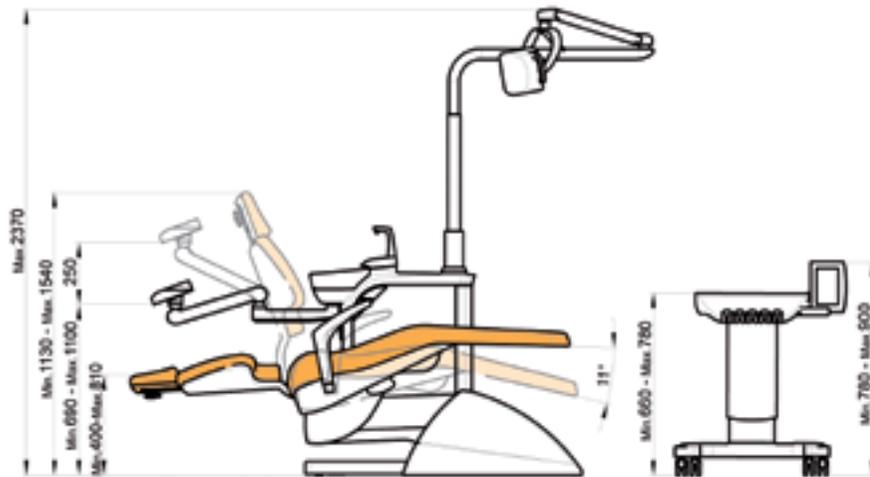
## Sd-300 *Touch Expert*



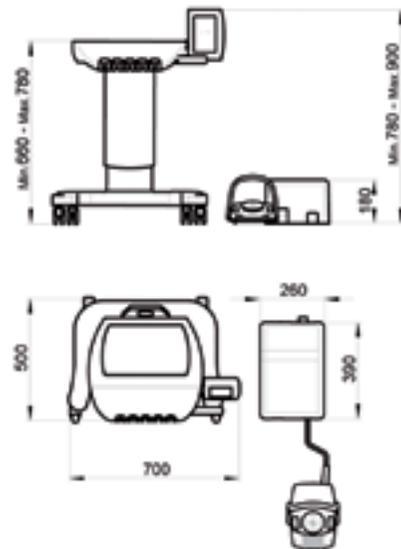
## Sd-350 *Touch Expert*



## Sd-80 *Touch Expert*



## Cd-80 *Touch Expert*



### TECHNICAL DATA

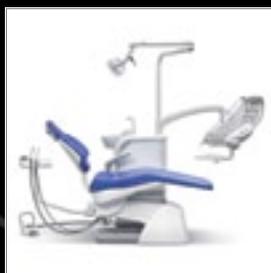
Voltage	220 - 240 V~	Unit standard	d93/42/EEC	Ila Class
Frequency	50 Hz	Insulation type		BF Type
Air pressure	5,5 Bar	Unit net / gross weight		240 kg / 290 kg
Water pressure	3 Bar	Dental unit type		Electronic
Power	900 W	Installation type		Permanent
Electrical protection type	I	Main fuse		T 6.3 A / 250 V
Operation type	Intermittent	Movement panel fuse, line 24v		T 32 mA / 250 V
Maximum load (patient)	160 kg	Primary transformer fuse, 9015136 PCB		TT 2.5 A / 250 V
Maximum load (instrument tray)	2 kg	24 V ac 1st line protection (yellow/blue)		Polyswitch RUE400
Instrument Electric Micromotor	24 Vdc / 65 W	24 V ac 2nd line protection (blue/brown)		Polyswitch RUE400 + RUE600
Instrument Mx micromotor	24 Vdc / 60 W (130 max peak)	17 V ac line protection (red/red)		Polyswitch RUE600 + RUE185
Instrument light	3v - 7v / 2.5 W	Auxiliary outputs 24 Vac		4 x water unit
Ultrasound	24 Vac / 35 W			3 x instrument tray
Polymer lamp	24 Vac / 150 W	Suction connection		1 x circuit box
Syringe 6F	24 Vac / 150 W	Auxiliary contact volt free (circuit box PCB)		500 W / 230 V Relays 20 A / 250 V
		Main electro-valves (ref. 9004889)		Max 250 V / 5 A
				24 Vdc

## Other models in the Ancar range:

### Series 1



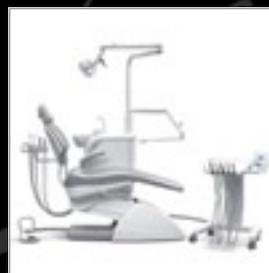
Sd-150



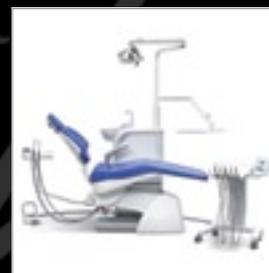
Sd-150 *Scandinavian*



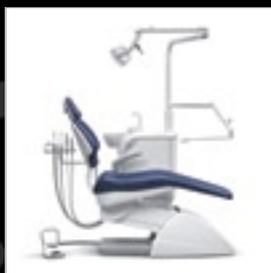
Sd-175



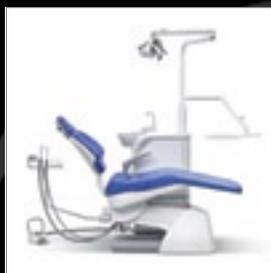
Sd-25



Sd-25 *Scandinavian*



Sd-60



Sd-60 *Scandinavian*



Cd-25



Ancar 3200

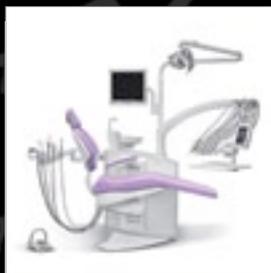


Ancar 3100

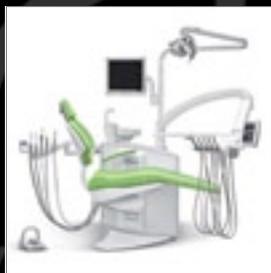


Ancar 3000

### Series 5



Sd-550 *Touch Expert*



Sd-575 *Touch Expert*



Sd-580 *Touch Expert*

# Ancar

DENTAL  
INTELLIGENCE  
*with heart*

Since 1958



QS4 LEA 022 V.5

Subject to design and/or specifications changes without prior notice.  
Made in Europe. 2nd Edition: October 2014.

Antoni Carles, S.A.

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