



MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS



DIPLOMAT



Dental solutions for the global market

SINCE 1952



MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS



With more than 60 years of experience in medical technology and dental manufacturing has DIPLOMAT-DENTAL a solid reputation of the top manufacturer and an established business philosophy, where customer satisfaction is viewed as a grounding principle. The certified system of quality, high technical level but particularly the reliability and safety are the attributes that are very important to us.

DIPLOMAT-DENTAL,s.r.o with the successful brand DIPLOMAT offers dental units, stools, and lights. All its products excel in quality, ergonomics and versatility

and will surely meet the requirements of even the most demanding dental professionals. The primary goal of our company is customer satisfaction with DIPLOMAT products throughout the world.

"We produce values"

Our slogan represents the attitude that our company implements in every aspect of the process. Our products are subjects to constant innovation, as we want to be sure that we deliver the best, so our customers could benefit from cutting-edge medical technology and dental solutions.

Our specialists apply the latest technologies and strategies to enhance ergonomics, upgrade the safety elements, streamline cleaning and facilitate maintenance. Apart from our high-tech products, we also provide excellent after-sales services that include product service and regular maintenance to ensure customers maximum satisfaction.

DIPLOMAT-DENTAL,s.r.o has a continuous success on the international dental market where it offers the ideal connection of development, manufacture and customer service.

DIPLOMAT DENTAL – BENEFITS

PREMIUM LINE COLOR GLASS DISPLAY

All premium line units are equipped with 7inch multilingual color glass display, which is absolutely new experience for the user in communication and setting up of the commands. Nice and smooth touch, easy to clean, very sharp picture are the main highlights of this advanced technology. Display allows very detailed setup of the chair and all instruments. Four different users can set-up their own parameters of each instrument in nine different programs under their own names. Foot control as well available in wireless version has programmable buttons, which allows you to choose the function you commonly use. USB interface can be used to display RTG pictures on the screen (.bmp or .jpg pictures in max. resolution 800x480 can be displayed). Xenos LED light can be managed from four different unit locations (dentist and assistant element, sensor, foot control) New display is equipped with pre-programmed positions of the chair : zero, spittoon, Trendelenburg and last position. Additionally on premium line units assistant side can be equipped with color glass display as well for easy and smooth work of the assistant.

CHAIR ADVANCED MOVEMENT TECHNOLOGY

Premium line models DA370/DA380 are equipped with three electric motors inside of the chair. Due to this advanced technology and special cradle move of the chair, exact positioning of the patient for surgeon is a snap. As well this advantage is specially utilized during the work with RTG or microscope.

6 UP TO SIX INSTRUMENTS DENTIST ELEMENT

All classic and comfort line units can be equipped with 5 instruments. On premium line units up to six instruments on dentist element allows user to have everything he needs available ready for work. Installation position of each instruments is customizable for the best ergonomics of each user. This has to be defined during the order.



HYGIENE AND INFECTION CONTROL

All Diplomat units have autoclavable silicone pads, handles and spittoon bowl. Classic and comfort line units offer customer simple manual disinfection system to keep instrument water lines clean. Optionally comfort and premium line units can be equipped with fully automatic sophisticated disinfection and decontamination system to prevent any infection and keep instrument water lines and suction tubing clean.

On all Diplomat units polyurethane color finish provide excellent infection protection and allows users easier cleaning and maintenance.

SUPERIOR SOLID MATERIALS USED (SSM)

On all Diplomat units we use only superior solid materials like aluminum, PUR, steel. 97% of all parts are painted with polyurethane color and that gives unit perfect look and very good stability against UV radiation.



FOOT CONTROL WIRELESS TECHNOLOGY

No cables on the floor! Premium- and comfort line models can be equipped with wireless multifunctional foot control fully programmable by the user via via 7 inch color display interface. Battery can last up to 2-3 months without charging*. The user can enjoy the work with no limit on the floor regarding movements around the unit. *measured on standard working day 8hrs/day

INNOVATIVE USER INTERFACE TECHNOLOGY IN COMFORT LINE

All comfort line units are equipped with 7 inch color touch screen, which allows very detailed setup of chair and all instruments. Four different users can set-up their own parameters of each instrument in nine different programs under their own names. As well foot control, available in wireless version has programmable buttons, which allows you to choose the function you commonly use. USB interface can be used to display RTG pictures on the screen (.bmp or .jpg pictures in max. resolution 800x480 can be displayed). Xenos LED light can be managed from four different unit locations (dentist and assistant element, sensor, foot control) New display is equipped with pre-programmed positions of the chair : zero, spittoon, Trendelenburg and last position.



Customer's satisfaction is viewed as a grounding principle. Our dental-units enjoy these extensive benefits:

3 CONCEPTS AVAILABLE

We do offer our customers three different concepts of the unit structure

- **carried system** - most common solution worldwide
- **stationary system** - allows more leg room for personnel and easy unit hygiene. Chair capacity=200kg
- **cart version system** - suitable for surgical rooms, where position flexibility of dentist element is needed.

CARRIED SYSTEM



STATIONARY SYSTEM



CART VERSION SYSTEM



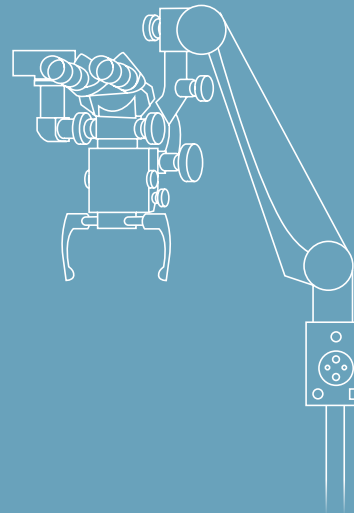
PERFECT ERGONOMICS

If there is more space needed around the patient, carried versions of Comort and Premium line units are equipped with movable cuspidor, which allows to create extra space around the chair for surgical treatments. Optionally units can be equipped with electric spittoon bowl rotation system and pantographic assistant arm for superior ergonomics during the treatment. 3D headrest allows exact positioning in all direction. Movable handrest can be moved in two different direction for easy access of the chair for the patient. All chairs has integrated anti-undress system, which prevents undressing of the patient. Optional additional trays on dentist element or on the light pole creates extra space for the user if necessary.



ADDITIONAL EQUIPMENT

Some models of Comfort and Premium line units are adjusted to carry equipment like RTG, microscope or peristaltic pump in combination with implantology micromotor.



UNIQUE DESIGN AND COLOR SCHEMES

Upholstery on all Diplomat units is available in 47 different colors. Many of these colors can be applied on ceramic bowl. As well due to advanced PU paint technology, we are able to create different color schemes as per customer requirement, which together with unique DIPLOMAT awarded design creates dental unit masterpiece.

SAFETY

Because we care, all Diplomat units are equipped with safety system switches, which prevents collisions and any possible injury of operating personnel.



CUSTOMIZATION

We in Diplomat are happy to fulfill customer dreams about their wishes. We are able to deliver special customer defined solutions if these are technically possible and comply with legal regulations. So your dental unit can look exactly as you dream about it.

PREMIUM LINE



PREMIUM LINE UNITS with most sophisticated technology are a real masterpiece of Diplomat production line. Premium line units open new horizons of any surgeon needs in dentistry. With smooth lines of design together with most advanced communication glass display interface, excellent ergonomics and functionality is unbeatable experience for each dentist. Our vision to create the best dental treatment center became reality. Welcome to the future.

COMFORT LINE



COMFORT LINE UNITS with integrated advanced technology of electronics are perfectly suitable for most demanding users. Comfort line units allows you simplify your daily routine work and turn it into pleasure of dental equipment usage. In combination with superior ergonomics and design your new comfort line unit become jewel of your surgical room.

CLASSIC LINE



CLASSIC LINE UNITS with simple, reliable design and an up-to-date compact electronics enables to carry out all standard types of dental treatments. Light-weight construction, easy cleaning and maintenance, wide range of handpiece options are among the obvious advantages of these DIPLOMAT models. Hard Worker is great characteristics of classic line units along with its simplicity and reliability delivers dentist expected performance in long term horizons.

PREMIUM

DIPLOMAT ADEPT
DA370 / DA380

DIPLOMAT CONSUL / LUX
DC350 / DL320



DA370 / DA380

DIPLOMAT ADEPT



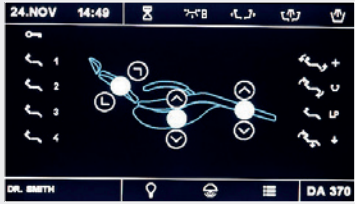
**„HIGHEST
SATISFACTION“**

**MAXIMUM COMFORT,
OUTSTANDING ERGONOMICS
AND TECHNICAL CHARACTERISTICS**

The DA370 (upper instruments hose delivery) and the DA380 (bottom instruments hose delivery) provide an exceptional comfort for you and your patients either when it comes to a regular preventive check-up or to a complex surgical procedure. Combining refined ergonomics and progressive design, the DA370 and the DA380 units are a perfect synthesis of functionality and comfort.

Innovative user interface:

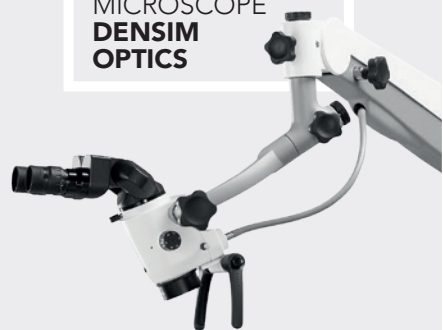
NEW 7 INCH COLOR GLASS DISPLAY!



+
EXTRA
LEG ROOM

Perfect ergonomic design provide an extra leg room

+
THE NEW PREMIUM
LINE INCLUSIVE
MICROSCOPE
**DENSIM
OPTICS**



• **FLEXIBILITY**

Six Instrument dentist element customizable position of each instrument on order

• **OPTIMAL SUPPORT**

Dentist stool with adjustable backrest and optional support ring for legs

• **ADVANCED MOVEMENT**

Chair advanced movement technology with cradle move and capacity load of 200 kg.

• **PERFECT POSITIONING OF THE HEAD**

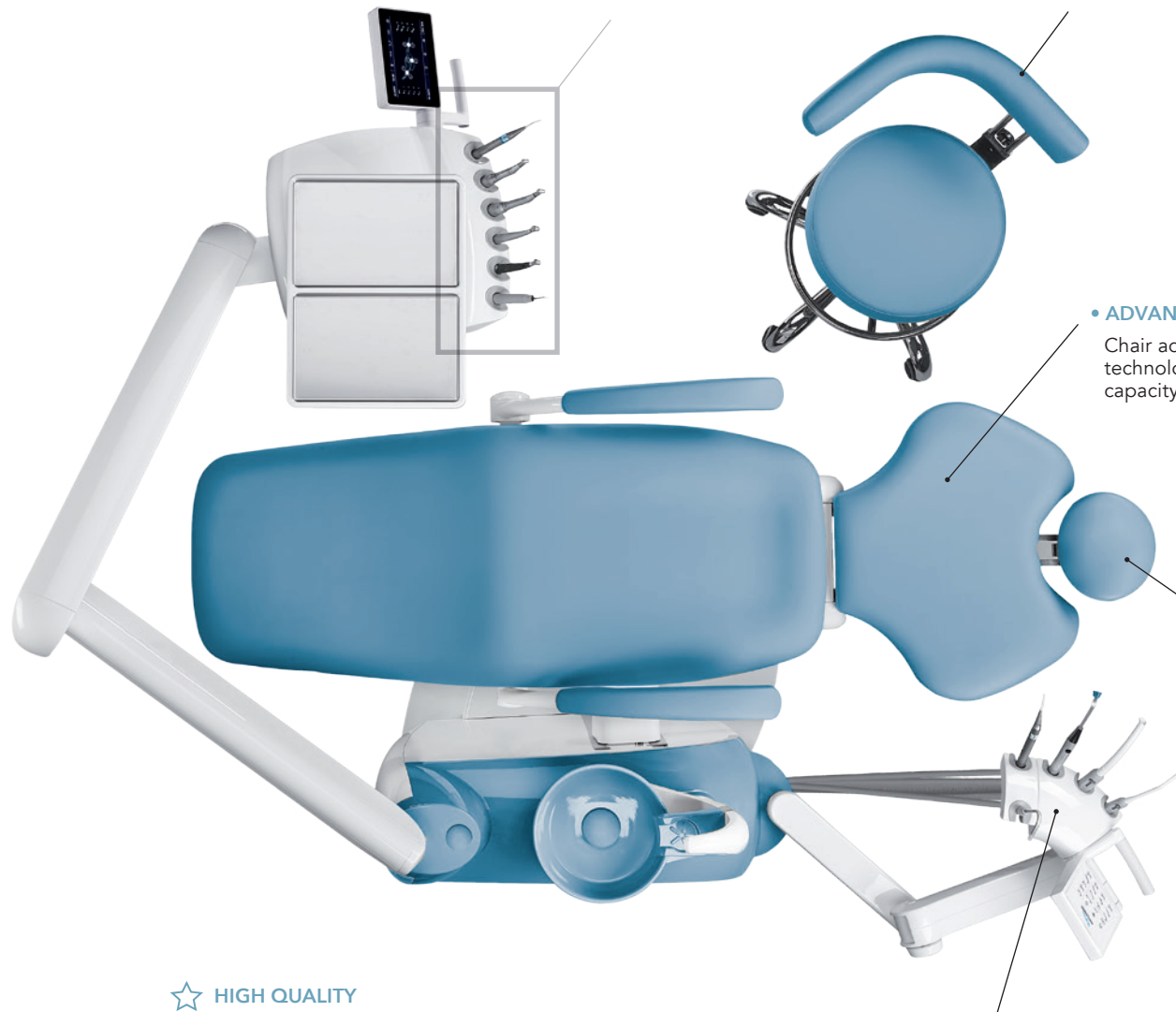
3D headrest enabling 3axis positioning

• **UP TO 6 INSTRUMENTS**

Pantographic assistant arm with possibility to instal up to 6 instruments.

☆ **HIGH QUALITY**

SSM-only superior solid materials (aluminium, steel, pur) used on unit construction for durability and stability against UV radiation to keep colors and unit in perfect shape.



DC350 / DL320

DIPLOMAT CONSUL/LUX



„BE SOPHISTICATED“

TAILORED TO YOUR OWN NEEDS

Both units can be fully tailored to your own needs and preferences. The units can be equipped with ten instruments besides suction handpieces: six on the dentist's and four on the assistant's element. There is also a convenient ergonomic tray-table (stainless steel or plastic) enabling dentist to keep all instruments and materials within reach. Dental professionals and their patients will truly appreciate an upgraded version of the spittoon block with full electronic or manual control of the removable swiveling spittoon bowl. Spittoon block is fully compatible with dry suction system of Cattani bottle or Metasys and Durr amalgam separators as well as wet suction systems equipped with Durr valves.



Cart Version available on models DL320, DA380, DL210, DA280 or as a stand alone solution



Lower hose delivery system available on DL 320 model

• **INTERFACE FOR X-RAY PICTURES**

Integrated USB Interface for x-ray pictures review on 7 inch color glass display (.bmp or .jpg pictures in max. resolution 800x480)

• **OPTIMAL SUPPORT**

Assistant stool with adjustable backrest and optional support ring for legs

• **EASY MOTION**

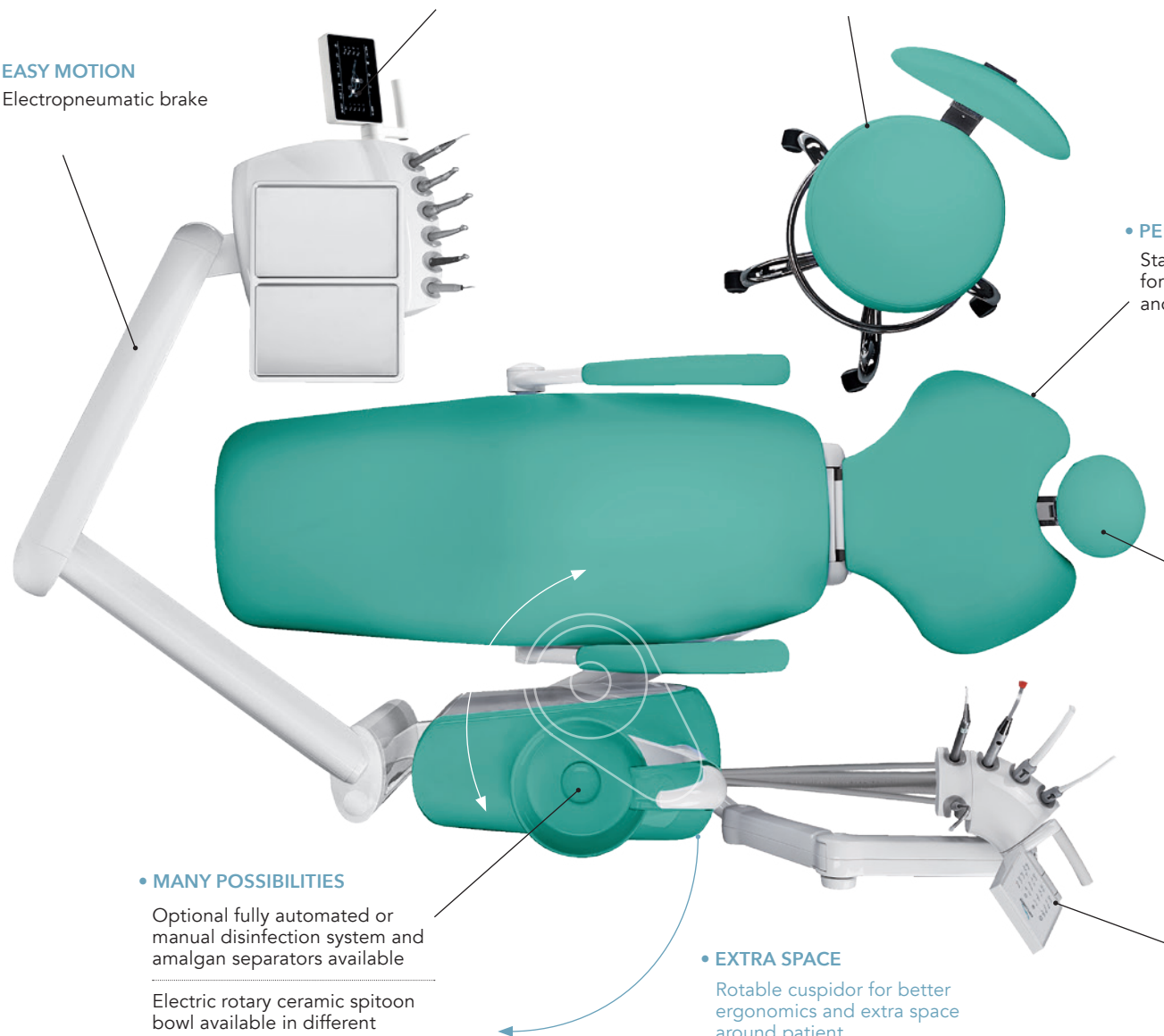
Electropneumatic brake

• **PERFECT ERGONOMY**

Standard or wide backrest for perfect access to patient and his comfort

• **BEARING FORCE**

235 kg capacity load of the chair (unit included)



• **MANY POSSIBILITIES**

Optional fully automated or manual disinfection system and amalgam separators available

Electric rotary ceramic spittoon bowl available in different colors

• **EXTRA SPACE**

Rotable cuspidor for better ergonomics and extra space around patient

• **KEYBOARD CONTROL**

Assistant keyboard control on pantographic arm with optional pneumatic brake



ACCESSORIES CAN BE EASILY INTEGRATED INTO YOUR DENTAL PRACTICE DEPENDING UPON YOUR PERSONAL PREFERENCES.

Dr. Romana Hyzova / Dentist



AUTOMATIC HYGIENE

The automatic hygiene system is composed of two separate processes: disinfection of the instrument waterlines, cup filling and bowl rinsing lines and decontamination of suction system and hoses to ensure the safety, cleanliness and operational efficiency of dental units.



DENTAL MICROSCOPE DENSIM OPTICS

When high expertise and accuracy counts. Dental microscope can be integrated into Diplomat Dental units for high precision work.



WIRELESS FOOT CONTROLLERS

No cables on the floor! Premium and Comfort line models can be equipped with wireless multifunctional foot control fully programmable by the user via 7inch color display interface. Battery can last up to 2-3 months without charging*. The user can enjoy the work with no limit on the floor regarding movements around the unit. *measured on standard working day 8hrs/day

COMFORT



DA 270 / DA 280
DIPLOMAT ADEPT

DC 310 / DL 210
DIPLOMAT CONSUL / DIPLOMAT LUX

DA 270 / DA 280

DIPLOMAT ADEPT



**„DON'T LEAVE
YOUR COMFORT
ZONE“**

OFFERS THE BEST TO YOUR PATIENTS

The Diplomat Adept DA270 (upper instruments hose delivery) and the DA280 (bottom instruments hose delivery) stationary dental units featuring the spittoon-block mounted chair. Two integrated actuating mechanisms allow easy chair repositioning and backrest angle adjustment. Using dentist's and assistant's elements or foot control you can easily navigate chair motions. Our engineers have also thought about the safety issues: integrated safety elements safeguard chair from collision. Both units can be equipped with a dental monitor upon request.

Lower hose delivery dentist element is available on DA280 and DL210 model



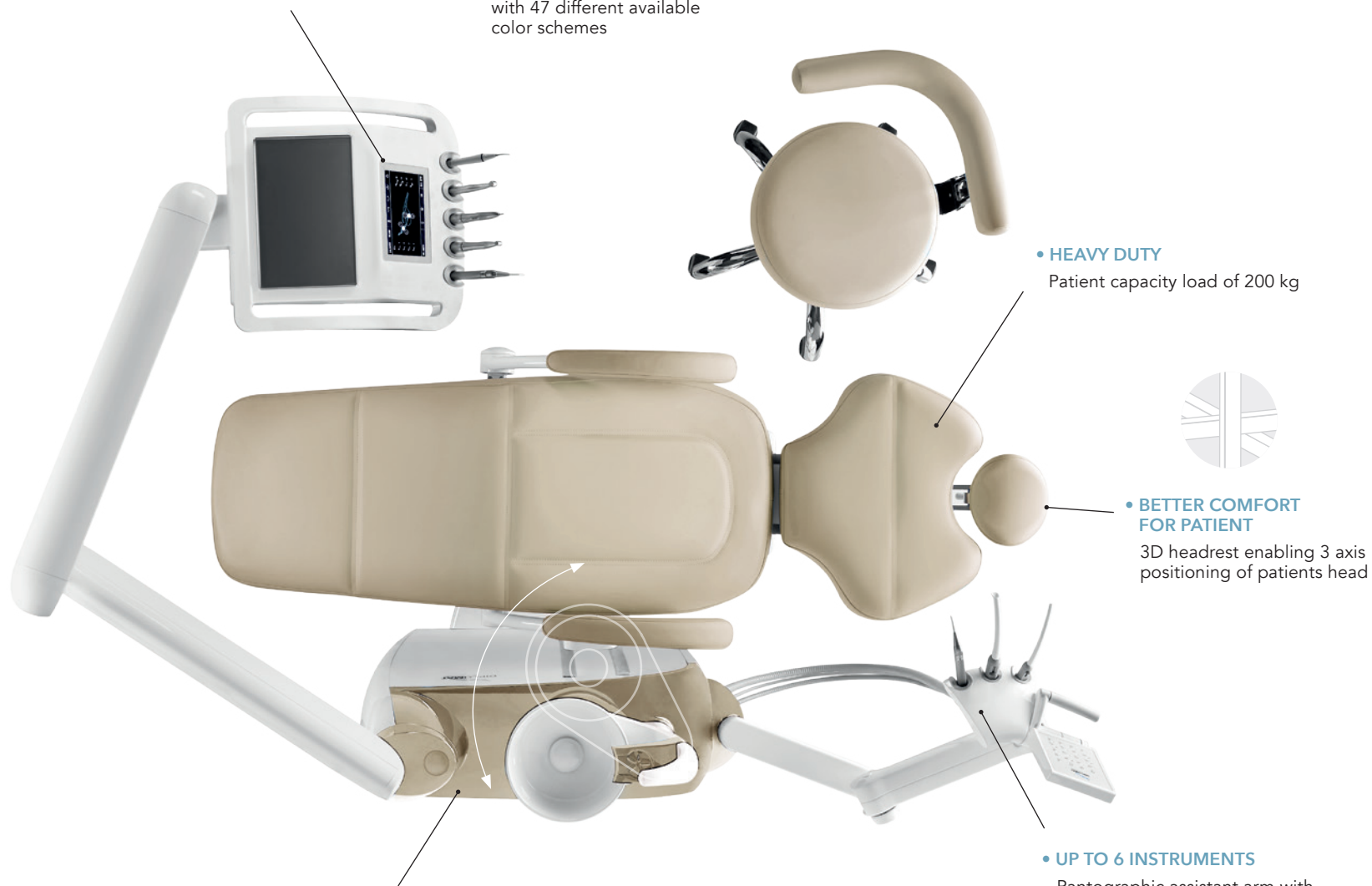
XENON LED shadowless light for superior illuminance managable from four different locations.
(sensor, dentist, assistant keyboard and foot control)

• USER FRIENDLY

7 inch multilanguage resistive color display user friendly interface

• DESIGN MEETS ERGONOMY

Unique awarded design with 47 different available color schemes



• HEAVY DUTY

Patient capacity load of 200 kg



• BETTER COMFORT FOR PATIENT

3D headrest enabling 3 axis positioning of patients head

• POSSIBILITY OF EXPANSION

Allows integration of RTG, dental microscope, peristaltic pump with combination of implantology micromotor

• UP TO 6 INSTRUMENTS

Pantographic assistant arm with mechanic or pneumatic brake and possibility to instal up to 6 instruments

DC 310 / DL 210

DIPLOMAT CONSUL / DIPLOMAT LUX



„WORK EFFICIENT“

THE PERFECT MATCH FOR YOUR NEEDS AT THE PERFECT PRICE

The DC310 (upper instruments hose delivery) and the DL210 (bottom instruments hose delivery) are available in carried or cart version. On carried units the pantographic arm has a mechanical or electro-pneumatic brake system enabling dentist to set the dentist element into the optimal working position. Swiveling spittoon bowl can be electronically controlled from both dentist's and assistant's elements. Pantographic arm-mounted assistant's element is height-adjustable. Assistant can control selected functions using a membrane keyboard.



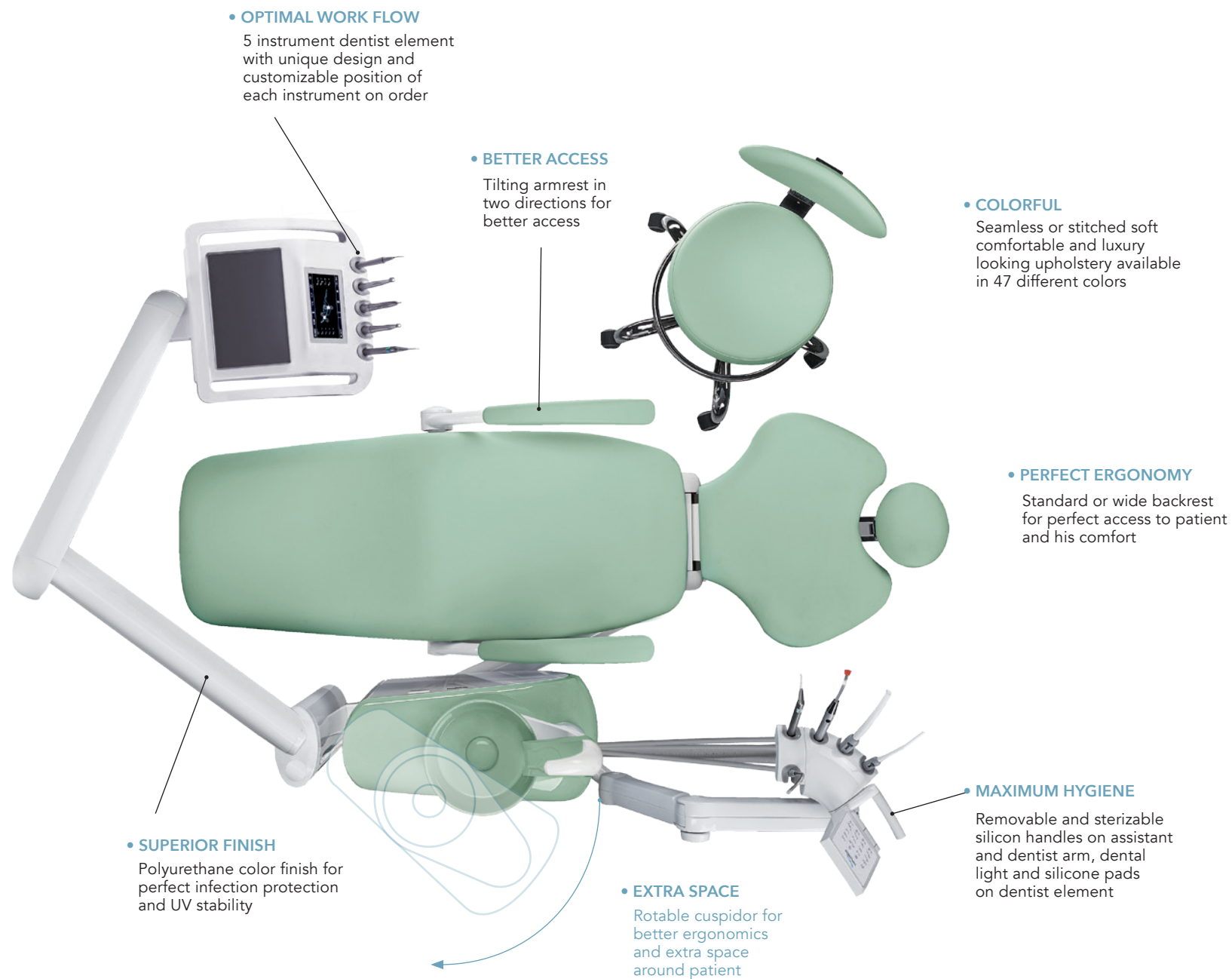
Medical monitor 17 or 22 inch can be integrated into each Diplomat Dental unit



FOR A BETTER PRESENTATION WITH **DIPLOMAT**



Diplomat Intra-oral camera with high quality pictures together with medical monitors creates perfect imaging system for presentation of dentist's good job.



• OPTIMAL WORK FLOW

5 instrument dentist element with unique design and customizable position of each instrument on order

• BETTER ACCESS

Tilting armrest in two directions for better access

• COLORFUL

Seamless or stitched soft comfortable and luxury looking upholstery available in 47 different colors

• PERFECT ERGONOMY

Standard or wide backrest for perfect access to patient and his comfort

• MAXIMUM HYGIENE

Removable and sterilizable silicon handles on assistant and dentist arm, dental light and silicone pads on dentist element

• SUPERIOR FINISH

Polyurethane color finish for perfect infection protection and UV stability

• EXTRA SPACE

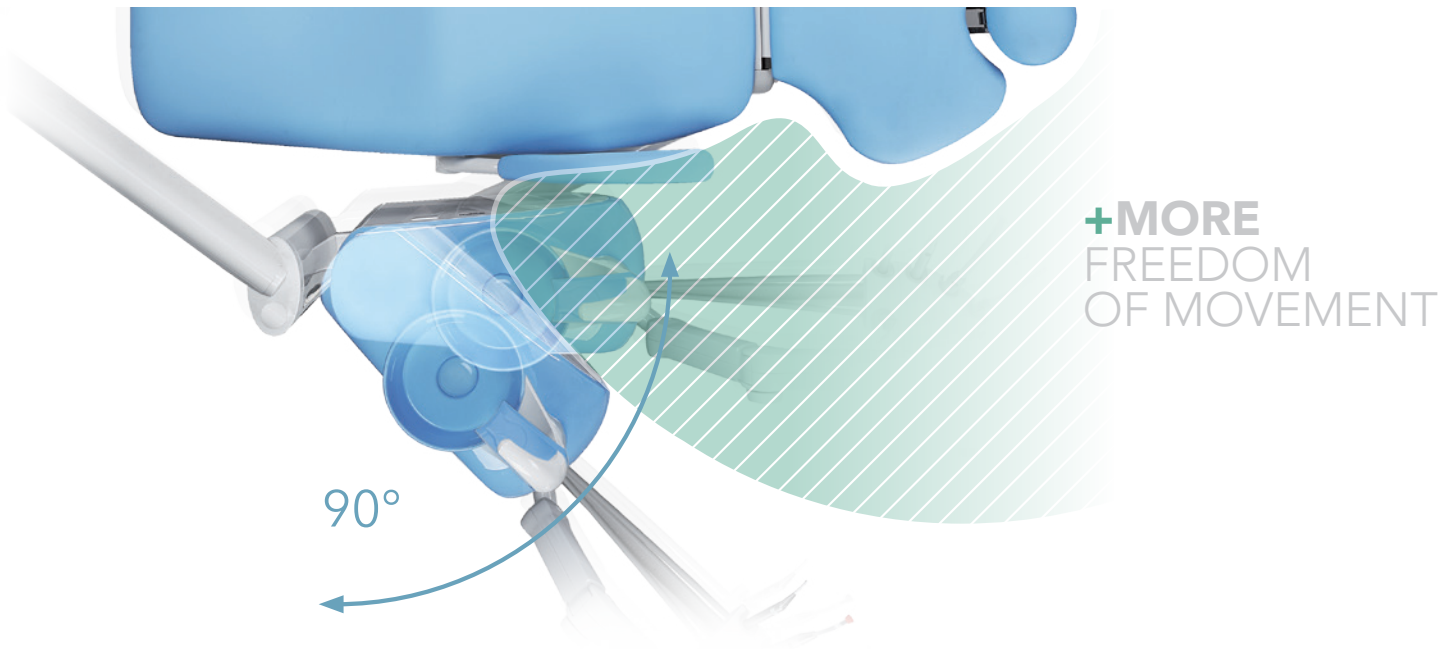
Rotable cuspidor for better ergonomics and extra space around patient



DIPLOMAT-DENTAL HAS A WIDE RANGE OF ADDITIONAL EQUIPMENT, WHICH WAS DEVELOPED BASED ON LONG TERM KNOWLEDGE IN DENTAL AREA.

Dr. Zbynek Vrba / Dentist

Rotable cuspidor for better ergonomics and extra space around patient:



CLASSIC

DIPLOMAT CONSUL
DC 170 / DC 180

DIPLOMAT ADEPT
DA 170 / DA 130

DIPLOMAT ADEPT
DA 110

DC 170 / DC 180

DIPLOMAT CONSUL

**„GO WITH THE
WORKFLOW“**

FUNCTIONAL, RELIABLE AND MODERN

The DC170 (upper instruments hose delivery) and the DC180 (bottom instruments hose delivery) are both as chair-mounted version. Both models can be equipped with up to five instruments on the dentist's element and six on the assistant's side. A simple and reliable design with an up-to-date and compact electronics enables to carry out all standard types of dental treatment. Light-weight construction, easy cleaning and maintenance, wide range of handpiece options are among the obvious advantages of these DIPLOMAT models.



Lower hose delivery table available on model DC 180 and DA 130.



Luxury soft comfortable upholstery available on all DIPLOMAT chairs.



• SUPERIOR FINISH

Durable UV stable infection resistive finish with polyurethane color

• EASY NAVIGATION

5 instrument dentist element with intuitive and simple foil keyboard for easy navigation

• COMFORTABLE CHAIR

Synchronized chair movement with integrated anti-undress system

• BEARING FORCE

235 kg capacity load of the chair (unit included)

• MORE HEADREST OPTIONS

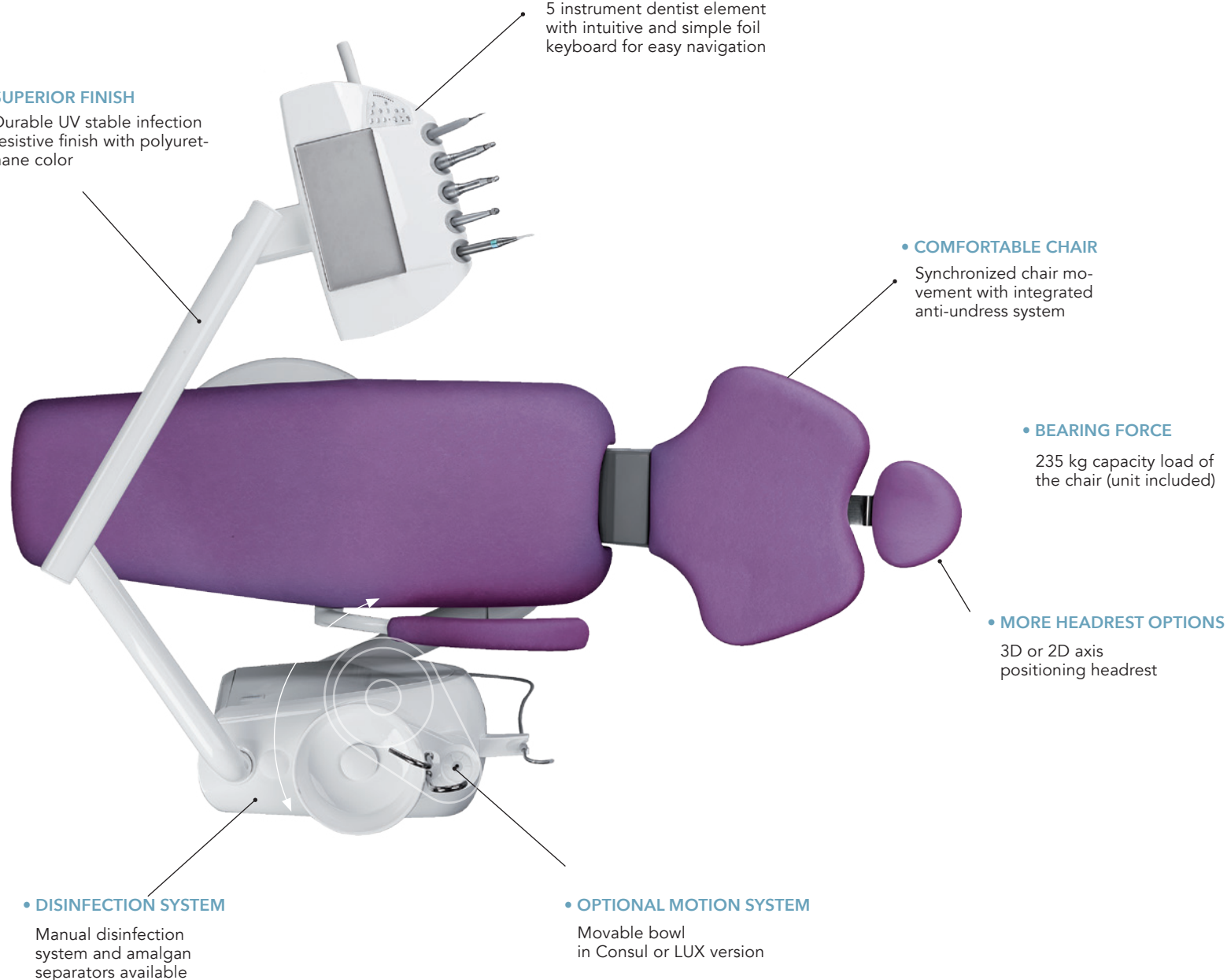
3D or 2D axis positioning headrest

• DISINFECTION SYSTEM

Manual disinfection system and amalgam separators available

• OPTIONAL MOTION SYSTEM

Movable bowl in Consul or LUX version



DA 170 / DA 130

DIPLOMAT ADEPT

**„CLASSIC WE
SHOULD KNOW“**

NEW GENERATION OF STATIONARY UNITS

New versions of the DA130 (bottom instruments hose delivery) and the DA170 (upper instruments hose delivery) dental units are spittoon block mounted and allow vertical chair repositioning. The latest technology of chair-repositioning mechanism grants effective chair repositioning and provides additional working comfort for dentist and assistant. The original Diplomat design provides excellent ergonomics, reliability and will surely meet the requirements of the most demanding professionals. The units come together with programmable chair featuring five programmable positions for two users separately. Both units can be equipped either with fixed or swiveling spittoon bowl upon request.





PROTECTION +



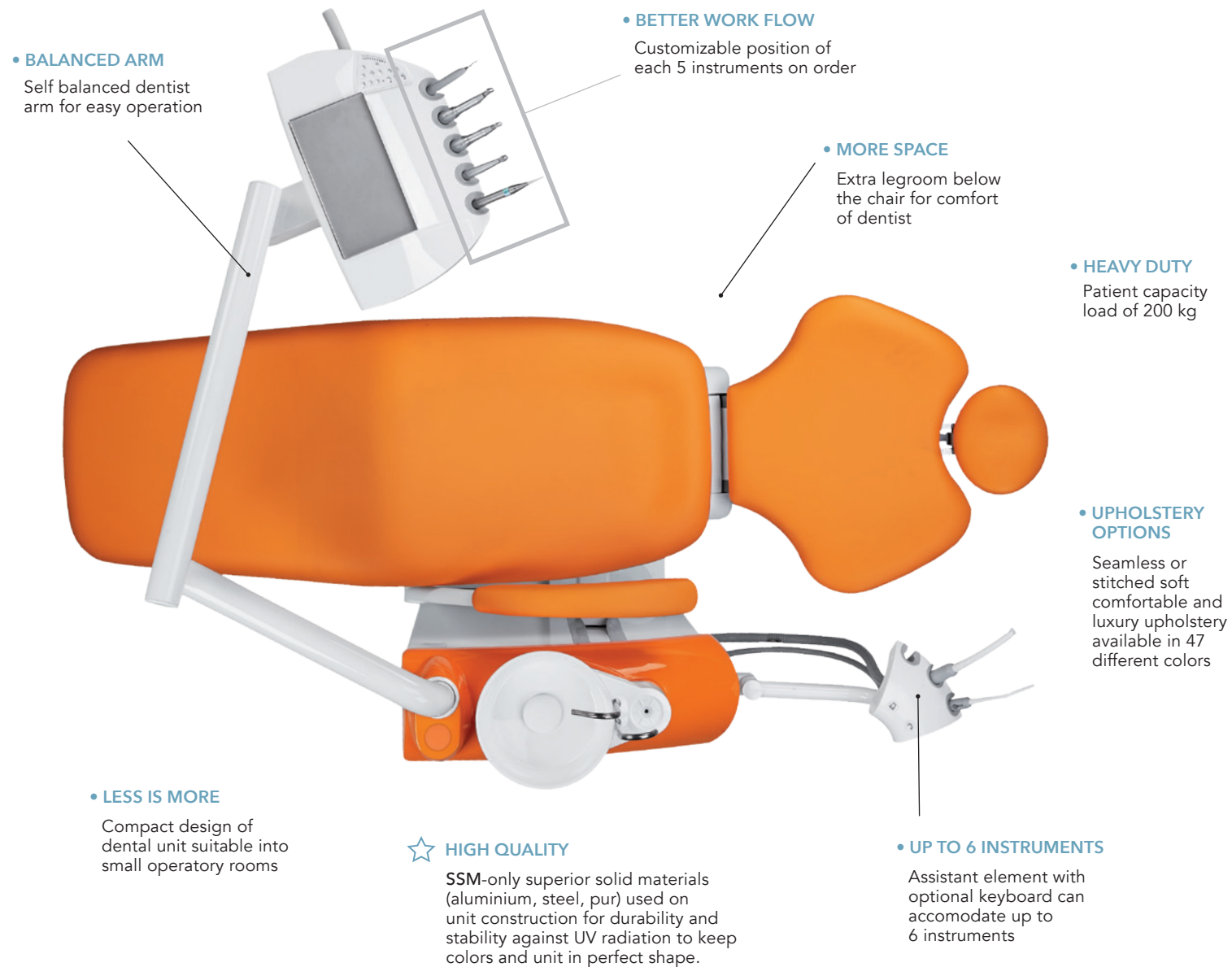
CHILD SEAT +

Protection cushion and child seat available for all Diplomat chairs.



Assistant's side

Foil keyboard to control chair, bowl rising and cup filling available for all classic line units



DC 170

ORTHODONTICS DIPLOMAT CONSUL



While performing jaw orthopedics treatment the dentist needs a good overview of the control panel and side table of appropriate size to have instruments and materials within reach. Our chair-mounted dental unit DC170 Orthodontics was specifically designed for the orthodontic treatments.

DA110A

DIPLOMAT ADEPT



Diplomat Adept DA110A dental unit is an upgraded version of the DA110 model. This dental element is designed as a stationary and can be equipped with up to five instruments on the dentist's panel with bottom or upper instruments hose delivery. The Dentist's element is mounted on a swiveling or a pantographic arm. The dentist can conveniently control all the functions using a keyboard on the dentist's element or a foot controller. The unit is supplied with a removable sterilizable spittoon bowl. The X-ray viewer can be installed upon a special request. The DA110A: a perfectly reliable and functional dental unit for a reasonable price.

D10L

DIPLOMAT STOOLS

**„CORRECT
ERGONOMIC
POSTURE
AT WORK“**

Our D10L dental stools and “saddle” stools are designed to provide body comfort for dentists and assistants. The new modified stool construction helps keeping a correct, ergonomic posture also while working with microscope. Upholstery is available in a wide range of colors giving our clients the opportunity to create a unique interior in their dental office. All D10L stools could be supplied with a fitted round foot-rest.



COMPRESSORS

	air tank	efficiency @ 5 bar	max. pressure	power consumption	noise level	measurements	measurements with box
KD 109	9 l	60 l/min	7 bar	930 Watt	70 dB	370x480x360	
KD 109B	9 l	60 l/min	7 bar	930 Watt	58 dB		460x550x430
KD 124	24 l	60 l/min	7 bar	930 Watt	70 dB	450x450x650	
KD 124 B	24 l	60 l/min	7 bar	930 Watt	58 dB		630x770x820
KD 224	24 l	100 l/min	7 bar	1,25 kW	72 dB	450x450x650	
KD 224 B	24 l	100 l/min	7 bar	1,25 kW	62 dB		630x770x820
KD 224 D	24 l	100 l/min	7 bar	1,25 kW	72 dB	450x600x700	
KD 224 DB	24 l	100 l/min	7 bar	1,25 kW	62 dB		630x770x820
KD 124 AB*	24 l	60 l/min	7 bar	930 Watt	58 dB		560x640x1270
KD 224 AB*	24 l	100 l/min	7 bar	1,25 kW	62 dB		560x640x1270



With more than 60 years of experience in dental manufacturing Diplomat has a solid reputation of the top manufacturer and an established business philosophy, where customer's satisfaction is viewed as a grounding principle.

DIPLOMAT DENTAL - we produce values



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