



MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS





Dental solutions for the global market

SINCE 1962



MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS



With more than 50 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 7 inch 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 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 provides 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 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



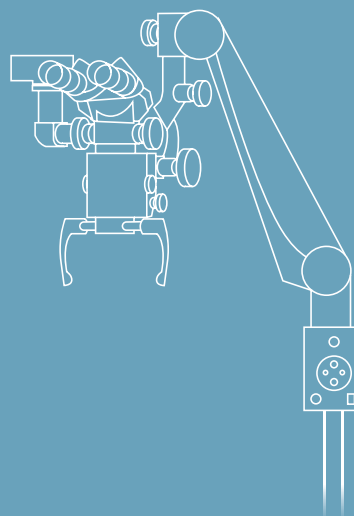
PERFECT ERGONOMICS

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 allow you to 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 becomes a jewel of your surgical room.

CLASSIC

LINE



CLASSIC LINE UNITS with simple, reliable design and an up-to-date compact electronics enable 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 a great characteristic of classic line units along with its simplicity and reliability delivers dentist expected performance in long term horizons.

PREMIUM

DA370/DA380
DIPLOMAT ADEPT

DC350/DL320
DIPLOMAT CONSUL / LUX



DA370 / DA380

DIPLOMAT ADEPT



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.

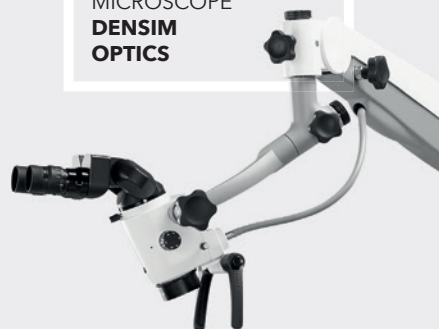
Innovative user interface:
**NEW 7 INCH COLOR
GLASS DISPLAY!**



Perfect ergonomic design
provide an extra leg room.

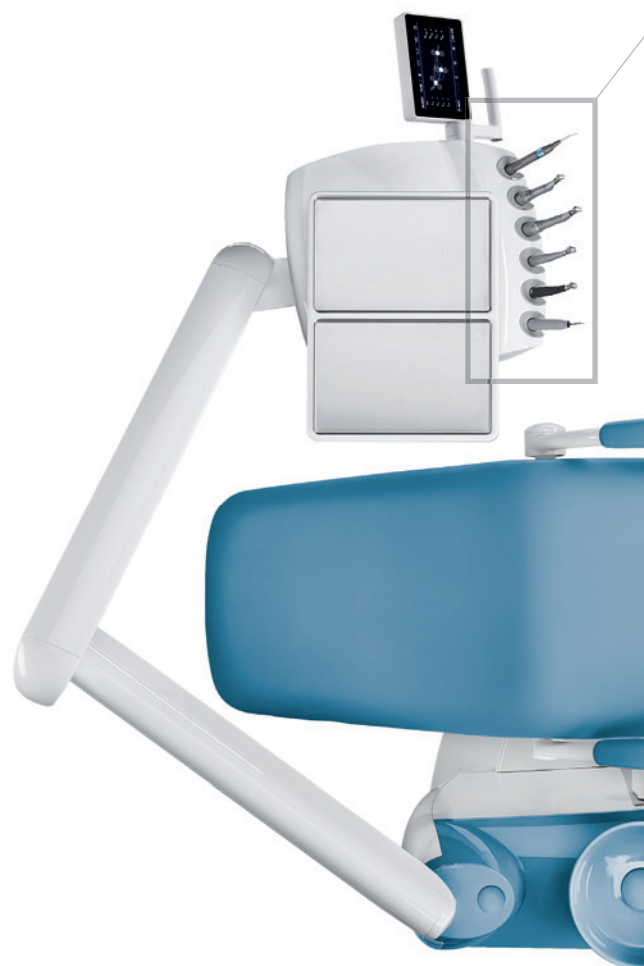


THE NEW PREMIUM
LINE INCLUSIVE
MICROSCOPE
**DENSIM
OPTICS**



• 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.



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.

• 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.

DC350 / DL320

DIPLOMAT CONSUL / DIPLOMAT LUX

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 DL320 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

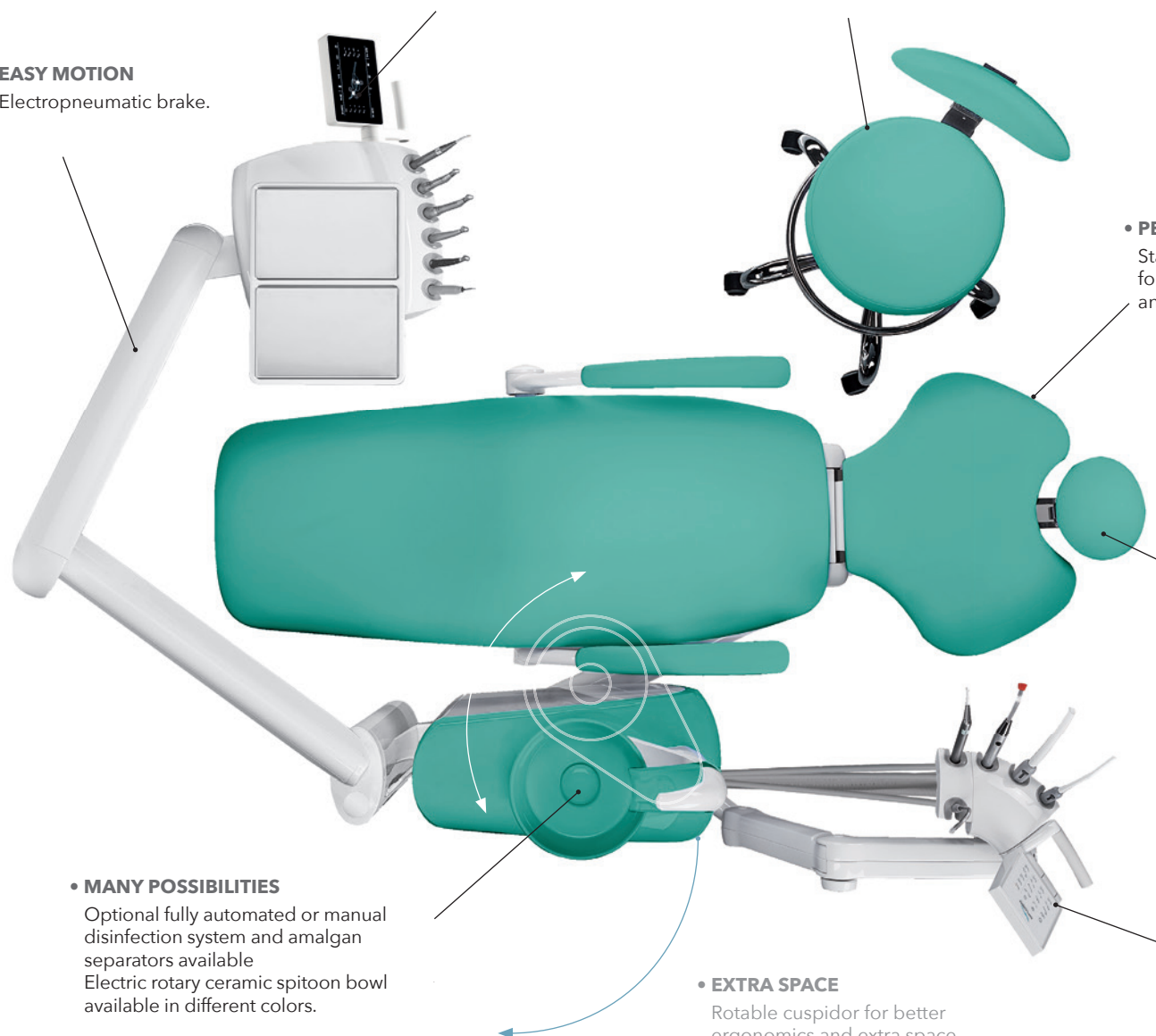
Optional fully automated or manual disinfection system and amalgam separators available
Electric rotary ceramic spittoon bowl available in different colors.

• 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.

MUDr. Miroslava Andrašovičová / 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 houses 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

A close-up photograph of a car seat, focusing on the headrest and the upper backrest. The seat is upholstered in a light-colored, textured material, possibly leather or a high-quality fabric. The headrest is on the left, and the backrest curves around it. The background is a plain, light color.

DA270 / DA280
DIPLOMAT ADEPT

DC310 / DL210
DIPLOMAT CONSUL / DIPLOMAT LUX

DA270 / DA280

DIPLOMAT ADEPT



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.



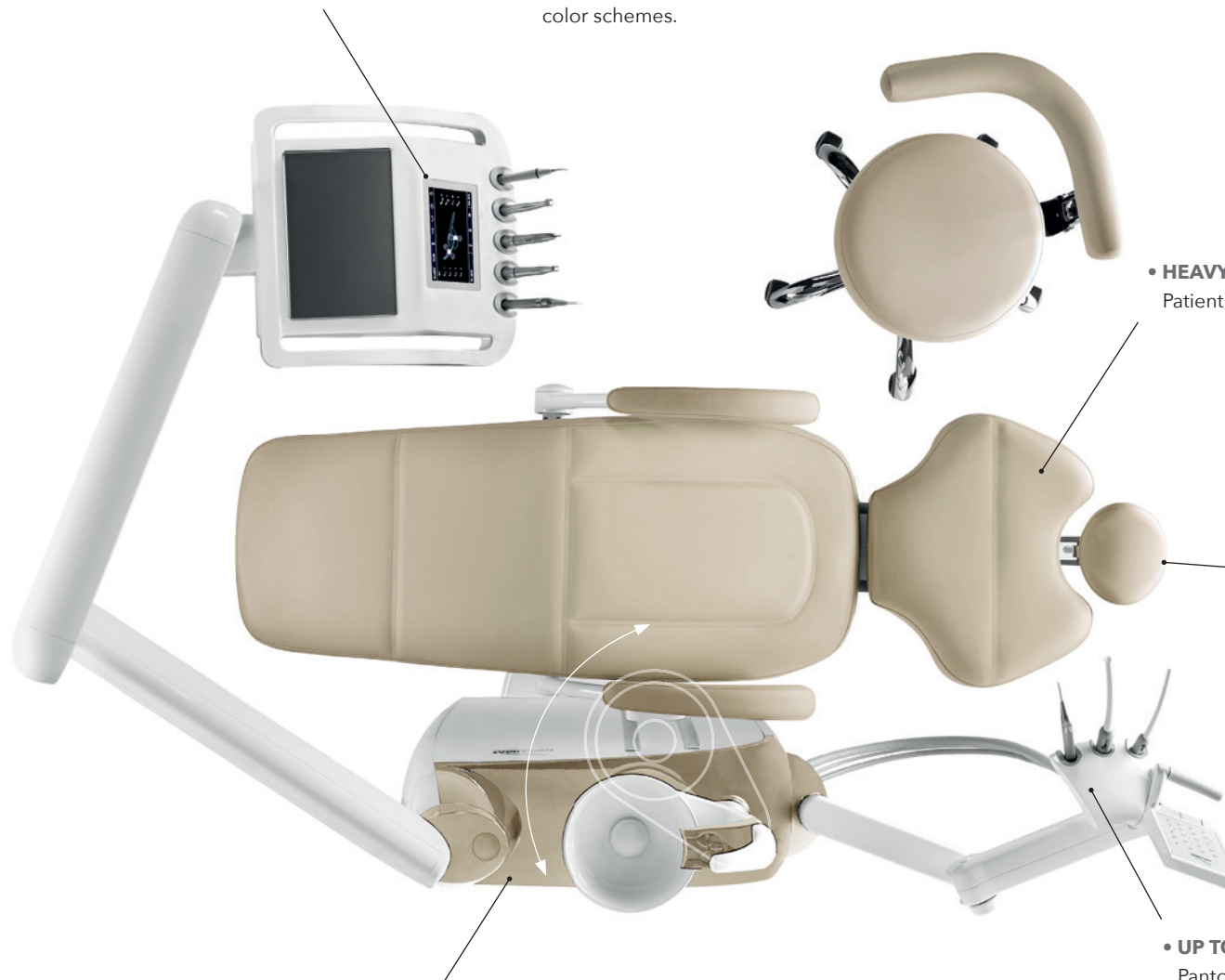
XENON LED shadowless light for superior illuminance managable from four different locations.
(sensor, dentist, assistant keyboard and foot control)

• 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.

• UP TO 6 INSTRUMENTS

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

• POSSIBILITY OF EXPANSION

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

DC310 / DL210

DIPLOMAT CONSUL / DIPLOMAT LUX



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

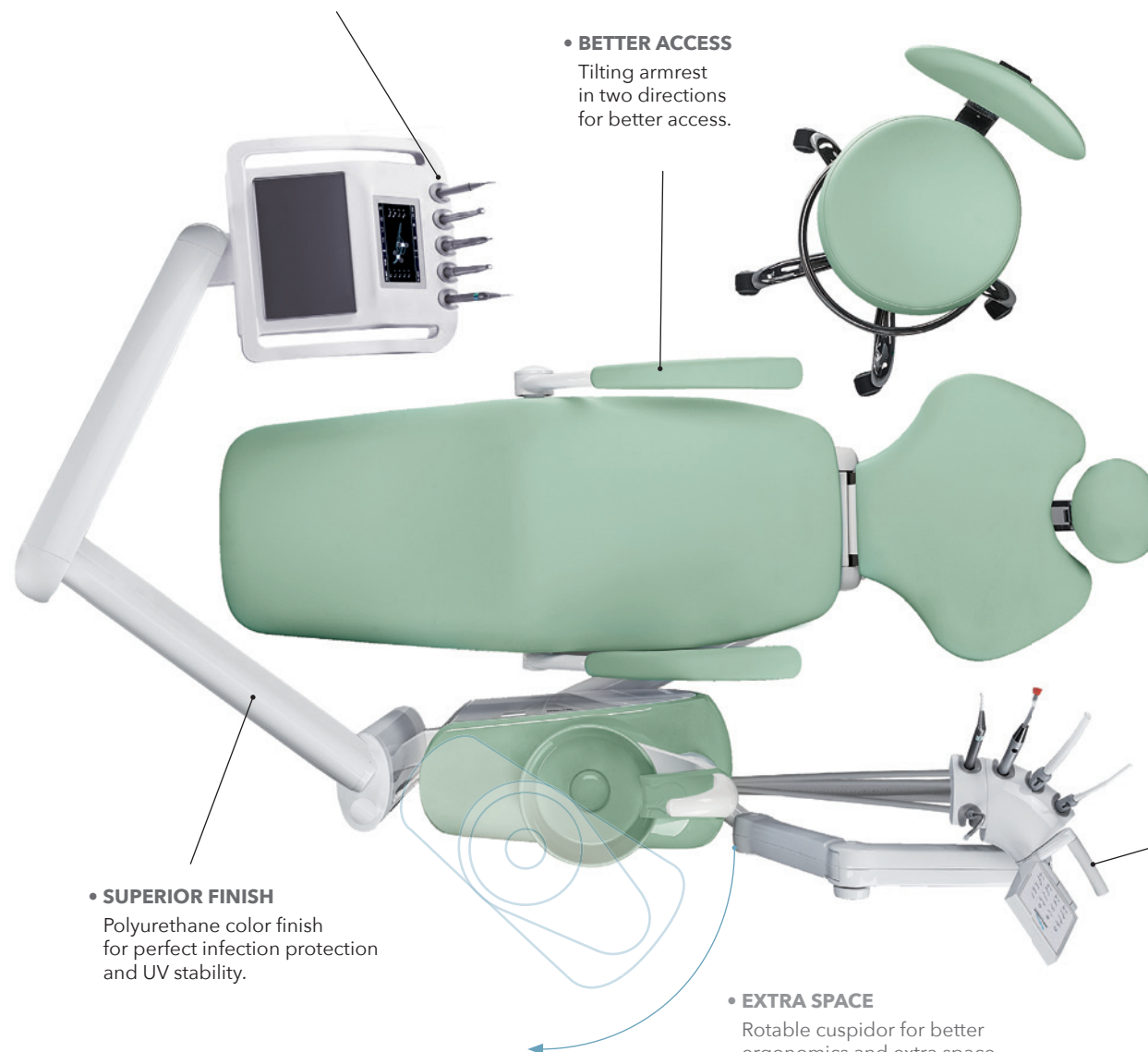
Removable and sterilizable silicon handles on assistant and dentist arm, dental light and silicone pads on dentist element.

• EXTRA SPACE

Rotable cuspidor for better ergonomics and extra space around patient.

• SUPERIOR FINISH

Polyurethane color finish for perfect infection protection and UV stability.

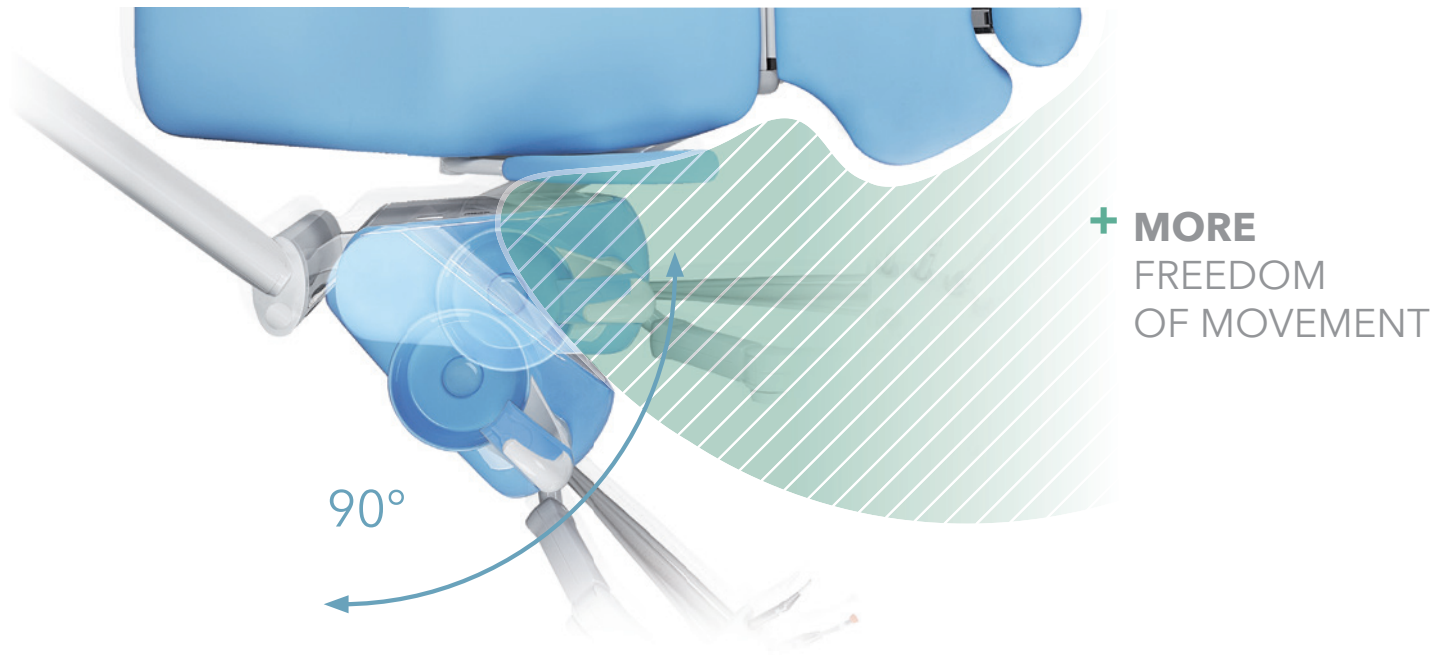




DIPLOMAT-DENTAL HAS A WIDE RANGE OF ADDITIONAL EQUIPMENT, WHICH WAS DEVELOPED BASED ON LONG TERM KNOWLEDGE IN DENTAL AREA.

Dr. Zbynek Vrba / Dentist

Rotable cuspidor for better ergonomics and extra space around patient



CLASSIC

DC170 / DC180
DIPLOMAT CONSUL

DA170 / DA130
DIPLOMAT ADEPT

DA110A
DIPLOMAT ADEPT

DC170 / DC180

DIPLOMAT CONSUL

FUNCTIONAL, RELIABLE AND MODERN

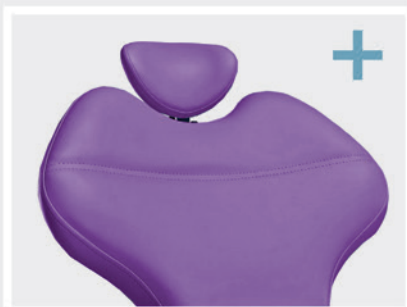
The DC170 (upper instruments hose delivery) and the DC180 (bottom instruments hose delivery) are both as chair-mounted version. Both models can be equipped with up to five instruments on the dentist's element and six on the assistant's side. A simple and reliable design with an up-to-date and compact 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 DC180
and DA130.



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**

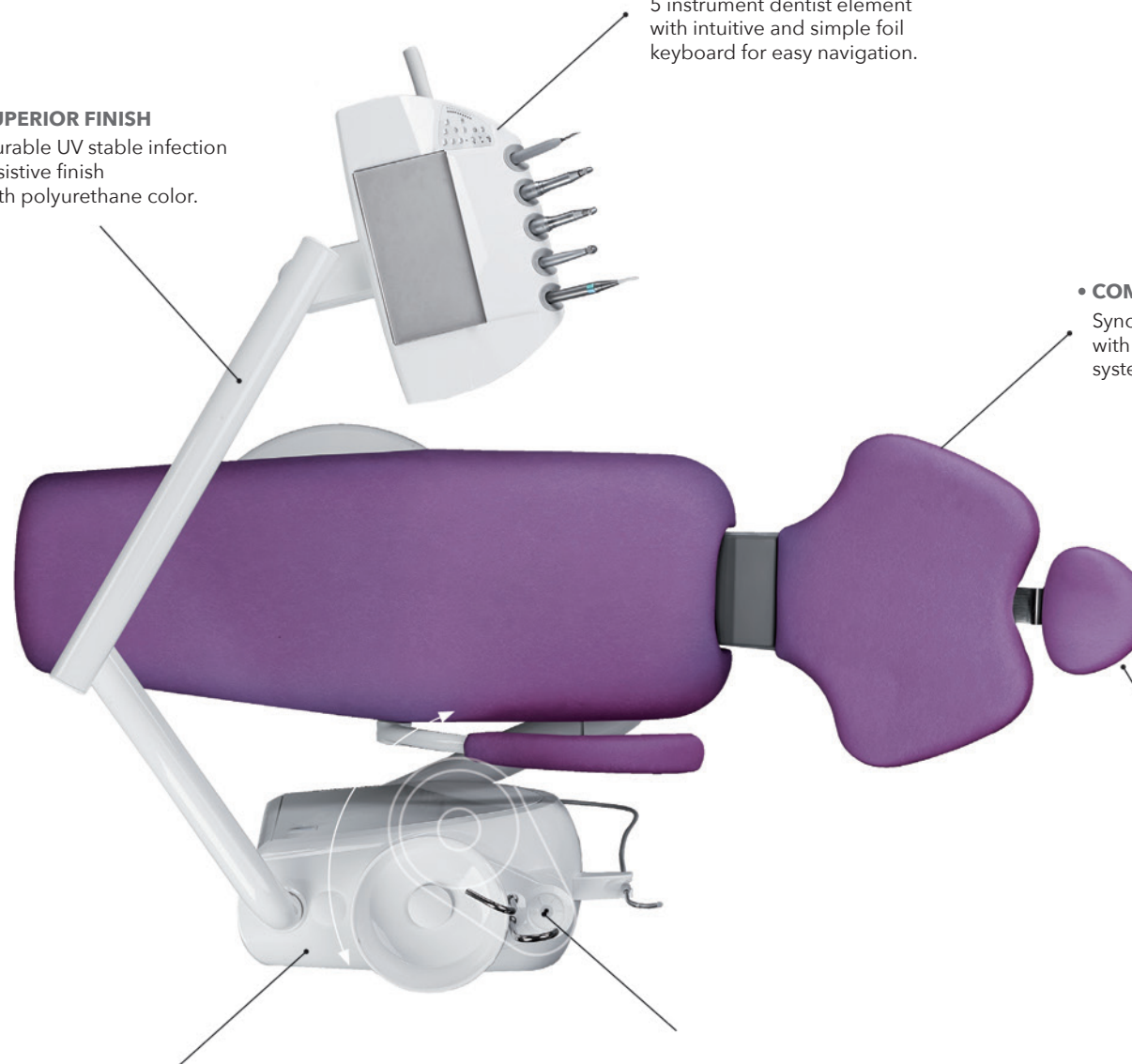
3D or 2D axis
positioning headrest.

• **DISINFECTION SYSTEM**

Manual disinfection system
and amalgam separators available.

• **OPTIONAL MOTION SYSTEM**

Movable bowl
in Consul or Lux version.



DA170 / DA130

DIPLOMAT ADEPT

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.

- **BALANCED ARM**

Self balanced dentist arm
for easy operation.

- **BETTER WORK FLOW**

Customizable position of each
5 instruments on order.

- **MORE SPACE**

Extra legroom below the chair
for comfort of dentist.

- **HEAVY DUTY**

Patient capacity
load of 200 kg.

- **UPHOLSTERY
OPTIONS**

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

- **LESS IS MORE**

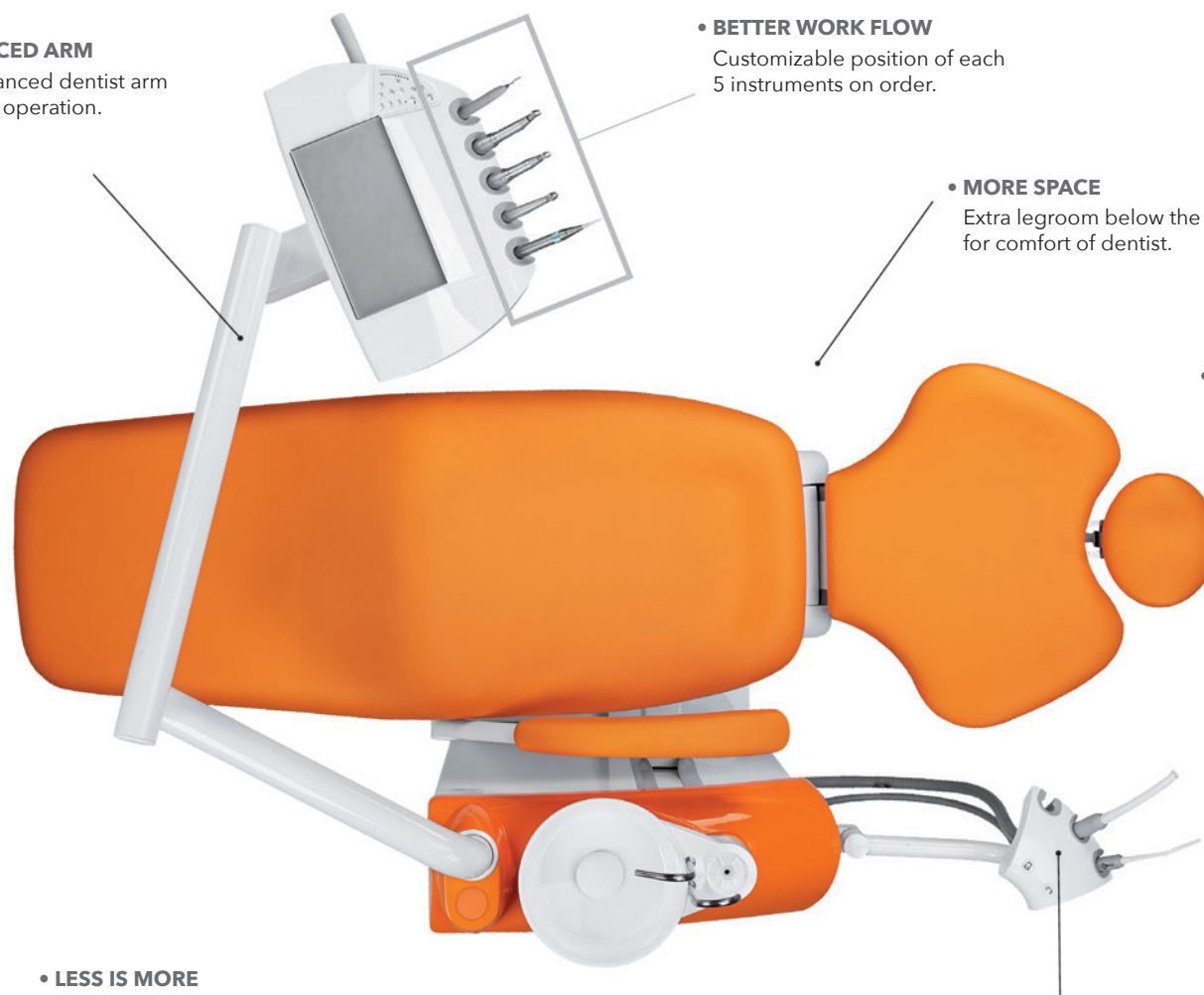
Compact design of dental
unit suitable into small
operatory rooms.

- ☆ **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.

- **UP TO 6 INSTRUMENTS**

Assistant element with optional
keyboard can accomodate
up to 6 instruments.



DC170

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

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 124B	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 224B	24 l	100 l/min	7 bar	1,25 kW	62 dB		630x770x820
KD 224D	24 l	100 l/min	7 bar	1,25 kW	72 dB	450x600x700	
KD 224DB	24 l	100 l/min	7 bar	1,25 kW	62 dB		630x770x820
KD 124AB*	24 l	60 l/min	7 bar	930 Watt	58 dB		560x640x1270
KD 224AB*	24 l	100 l/min	7 bar	1,25 kW	62 dB		560x640x1270



To satisfy diverse requirements of our customers we have a wide range of additional equipment, which was developed based on long-term knowledge in dental area.





we produce values



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