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DIPLOMAT

MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS



надежный поставщик стоматологического оборудования stomdevice

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DIPLOMAT



Dental solutions for the global market

SINCE 1962



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MEDICAL TECHNOLOGY AND DENTAL SOLUTIONS






With more than 60 years of experience in medical technology and dental manufacturing, DIPLOMAT DENTAL has built a solid reputation as a top manufacturer and an established business philosophy where customer satisfaction is viewed as a grounding principle. The certified system of quality, high technical level, and particularly 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 subject to constant innovation, as we want to be sure that we deliver the best so our customers can benefit from cutting-edge medical technology and dental solutions.

Our specialists apply the latest technologies and strategies to enhance ergonomics, upgrade the safety elements, and 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 our customers' maximum satisfaction.

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

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DIPLOMAT DENTAL - **BENEFITS**

PREMIUM LINE COLOR GLASS DISPLAY

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

ADVANCED CHAIR MOVEMENT TECHNOLOGY

DA370/DA380 premium line models are equipped with three electric motors inside of the chair. Due to this advanced technology and special cradle movement of the chair, the exact positioning of the patient for the surgeon is a snap. This advantage is specially utilized as well during work with the 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 the dentist element allows the user to have everything he/she needs available and ready for work. The installation position of each instruments is customisable for the best ergonomics for each user. This has to be defined during the order.



HYGIENE AND INFECTION CONTROL

All DIPLOMAT units have autoclavable silicone pads, handles and a spittoon bowl. Classic and comfort line units offer the customer a simple manual disinfection system to keep the instrument water lines clean. Optionally, comfort and premium line units can be equipped with a fully automatic sophisticated disinfection and decontamination system to prevent any infections and keep the instrument water lines and suction tubing clean.
On all DIPLOMAT units, the polyurethane colour finish provides excellent infection protection and allows easier cleaning and maintenance for users.

SUPERIOR SOLID MATERIALS USED (SSM)

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



INNOVATIVE USER INTERFACE TECHNOLOGY IN COMFORT LINE

Control of dental units in the COMFORT line is provided through a seven-inch foil touch screen, the accuracy, durability and fast response of which meets a dentist's requirements to achieve a high level of reliability and functionality during work. This technology allows up to four users to set all the necessary parameters for the chair and tools. The user can program up to five chair positions, including rinsing position, which can be combined with the programmable rotation of the spittoon bowl. Other chair positions are pre-programmed (zero, spittoon, Trendelenburg, and last position). The user can also program individual tools and set parameters such as maximum speed, cooling of the instrument, its illumination, and correct selection of gear ratio for individual handpieces.

For special motors with endo functions, the user can work with parameters such as torque, auto-revers and auto-forward, which can also be stored (inserted) into the memory. Individual profiles can be renamed by the user. Special programs for disinfection and decontamination are also controlled through this interface. Programming the side buttons of the foot controller via the display is a clear advantage for every dentist. It is also possible to define the color scheme of the display and its controls to create a personalized interface to control your dental unit. The unique technology of COMFORT line integrated foil touch screen opens new horizons of interaction between a dentist and the dental unit.

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DIPLOMAT

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

3 CONCEPTS AVAILABLE

We 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 an easy unit hygiene. Chair capacity=200kg
- cart version system - suitable for surgical rooms, were the position flexibility of the 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 the Comfort and Premium line units are equipped with a movable cuspidor, which allows the creation of extra space around the chair for surgical treatments. Optionally, units can be equipped with an electric spittoon bowl rotation system and a pantographic assistant arm for superior ergonomics during treatment. The 3D headrest allows for exact positioning in all directions. The movable handrest can be moved in two different directions for the patient's easy access to the chair. All chairs have an integrated anti-undress system, which prevents the undressing of the patient. Optional additional trays on the dentist element or on the light pole create extra space for the user if necessary.



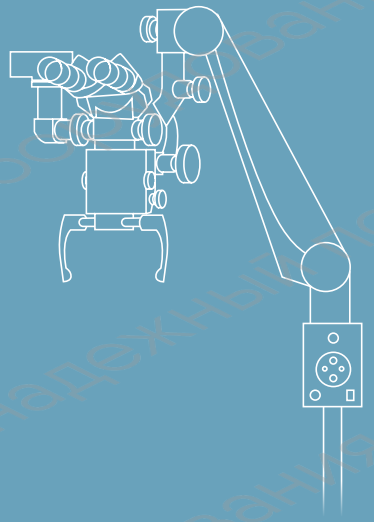


WIRELESS FOOT CONTROL TECHNOLOGY

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

CUSTOMISATION

We at DIPLOMAT are happy to fulfil customers' dreams. We are able to deliver special customer-defined solutions if these are technically possible and comply with the legal regulations. So your dental unit can look exactly as you dream it.



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

The upholstery on all DIPLOMAT units is available in 47 different colours. Many of these colours can be applied to the ceramic bowl. Due to advanced PU paint technology, we are able to create different colour schemes as well per the customer's requirements, which together with unique DIPLOMAT awarded designs create a dental unit masterpiece.

SAFETY

Because we care, all DIPLOMAT units are equipped with safety system switches, which prevent collisions and any possible injury to operating personnel

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CLASSIC LINE



CLASSIC LINE UNITS with simple, reliable design and up-to-date compact electronics enables users to carry out all standard types of dental treatments. Its light-weight construction, easy cleaning and maintenance, and wide range of hand-piece options are among the obvious advantages of these DIPLOMAT models. The hard worker is a great characteristic of the Classic line units, along with their simplicity and reliable de-livery for dentists expecting performance over the long-term.

COMFORT LINE



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

PREMIUM LINE



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

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CLASSIC



DIPLOMAT ADEPT
DA 170 / DA 130

DIPLOMAT CONSUL
DC 170 / DC 180

DIPLOMAT ADEPT
DA 110

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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 for vertical chair repositioning. The latest technology for the chair-repositioning mechanism grants effective chair repositioning and provides additional working comfort for the dentist and assistant. The original DIPLOMAT design provides excellent ergonomics and reliability and will surely meet the requirements of the most demanding professionals. The units come together with a programmable chair featuring five programmable positions for two users separately. Both units can be equipped either with a fixed or swivelling spittoon bowl upon request.

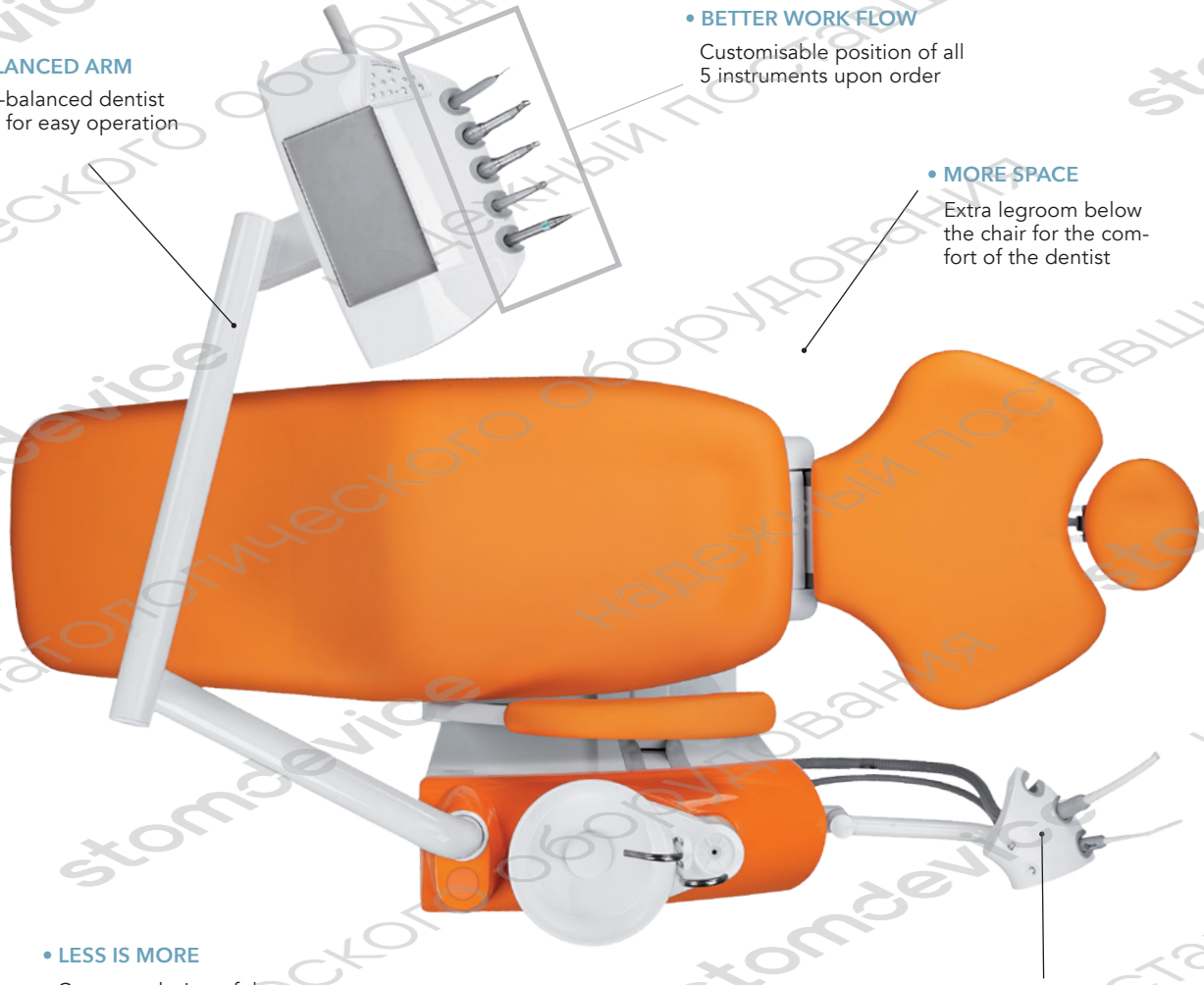




Protection cushion and child seat available for all DIPLOMAT chairs.



Assistant's side
Foil keyboard to control the chair, bowl rising and cup filling available for all classic line units



• BALANCED ARM
Self-balanced dentist arm for easy operation

• BETTER WORK FLOW
Customisable position of all 5 instruments upon order

• MORE SPACE
Extra legroom below the chair for the comfort of the dentist

• HEAVY DUTY
Patient capacity load of 200 kg

• UPHOLSTERY OPTIONS
Seamless or stitched soft, comfortable and luxurious upholstery available in 47 different colours

• LESS IS MORE
Compact design of the dental unit is suitable for 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 the colours and unit in perfect shape.

• UP TO 6 INSTRUMENTS
Assistant element with an optional keyboard can accommodate up to 6 instruments

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 available as chair-mounted versions. 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 up-to-date and compact electronics enables the user to carry out all standard types of dental treatment. Its light-weight construction, easy cleaning and maintenance, and wide range of handpiece options are among the obvious advantages of these DIPLOMAT models.

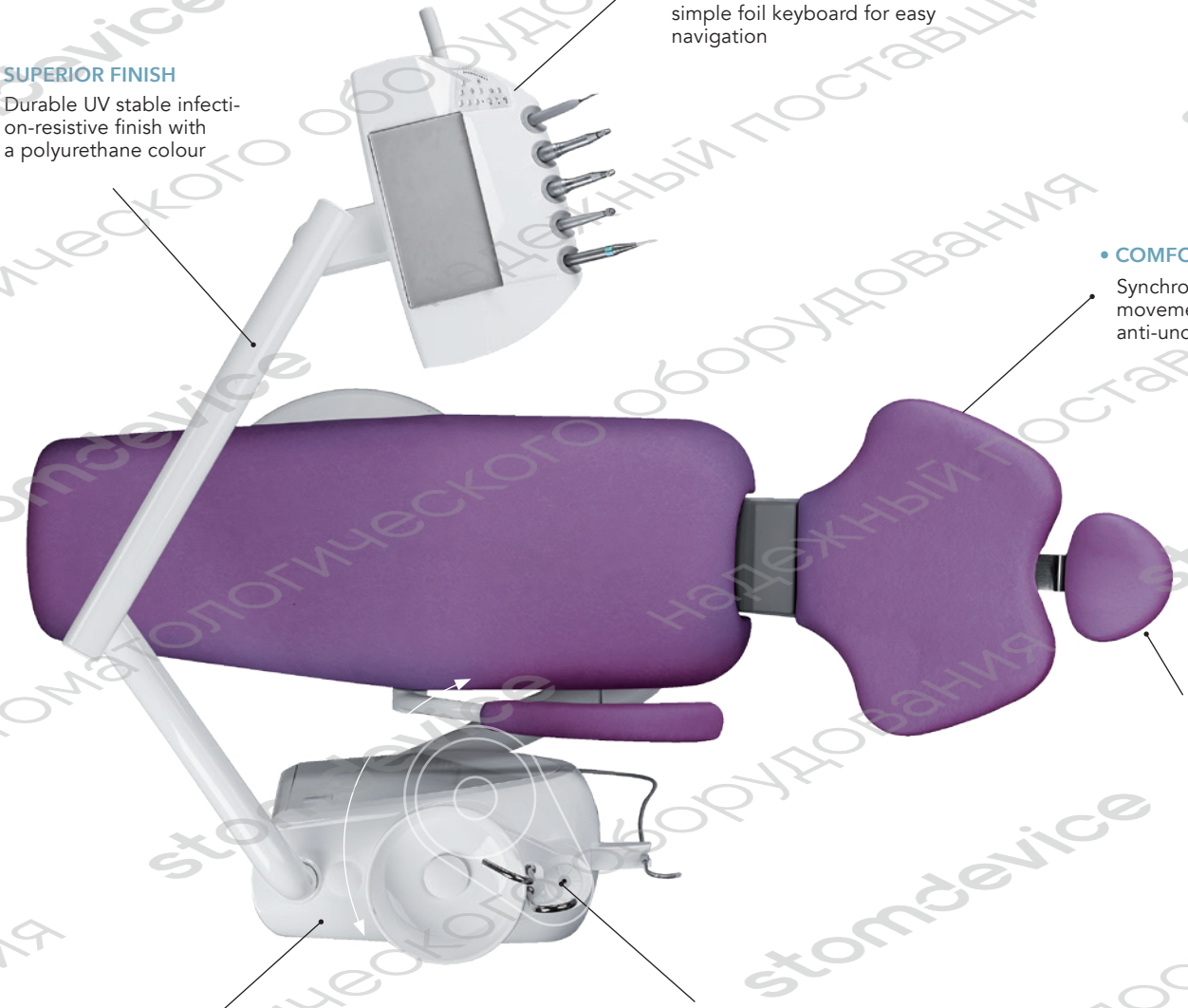
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Lower hose delivery table available on DC 180 and DA 130 models.



Spitoon fixed bowl is available on all classic line units:





• EASY NAVIGATION

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

• SUPERIOR FINISH

Durable UV stable infection-resistive finish with a polyurethane colour

• COMFORTABLE CHAIR

Synchronised 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 amalgan separators available

• OPTIONAL MOTION SYSTEM

Movable bowl in Consul or LUX versions

DC 170

ORTHODONTICS
DIPLOMAT CONSUL



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

DA110A

DIPLOMAT ADEPT



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

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COMFORT



DIPLOMAT ADEPT
DA 270 / DA 280

DIPLOMAT CONSUL / DIPLOMAT LUX
DC 310 / DL 210

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DA 270 / DA 280

DIPLOMAT ADEPT



„DON'T LEAVE YOUR COMFORT ZONE"

OFFER 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 for easy chair repositioning and backrest angle adjustment. Using the dentist's and assistant's elements or foot control, you can easily navigate the chair motions. Our engineers have also thought about the safety issues: integrated safety elements safeguard the chair from collisions. Both units can be equipped with a dental monitor upon request.

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The lower hose delivery dentist element is available for the DA280 and DL210 models.





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

• USER FRIENDLY

7-inch multilanguage resistive colour display with user-friendly interface

• DESIGN MEETS ERGONOMY

Unique awarded design with 47 different available colour schemes



HEAVY DUTY

Patient capacity load of 200 kg

• BETTER COMFORT FOR PATIENT

3D headrest enabling 3-axis positioning of the patient's head

• POSSIBILITY OF EXPANSION

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

• UP TO 6 INSTRUMENTS

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

DC 310 / DL 210

DIPLOMAT CONSUL / DIPLOMAT LUX



„WORK EFFICIENTLY“

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 versions. On carried units, the pantographic arm has a mechanical or electro-pneumatic brake system enabling the dentist to set the dentist element into the optimal working position. The swivelling spittoon bowl can be electronically controlled from both the dentist's and assistant's elements. The pantographic arm-mounted assistant's element is height-adjustable. The assistant can control selected functions using a membrane keyboard.



The 17- or 22-inch medical monitor can be integrated into each DIPLOMAT Dental unit.

+

FOR A BETTER PRESENTATION WITH **DIPLOMAT**



The DIPLOMAT Intra-oral camera with high quality pictures together with medical monitors creates the perfect imaging system for presenting the dentist's good work.

• **OPTIMAL WORK FLOW**

5-instrument dentist element with unique design and customisable position for each instrument upon order

• **BETTER ACCESS**

Tilting armrest in two directions for better access

• **COLORFUL**

Seamless or stitched soft, comfortable and luxurious-looking upholstery available in 47 different colours

• **PERFECT ERGONOMY**

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

• **MAXIMUM HYGIENE**

Removable and sterilisable silicon handles on the assistant and dentist arms, dental light and silicone pads on the dentist element

• **SUPERIOR FINISH**

Polyurethane colour finish for perfect infection protection and UV stability

• **EXTRA SPACE**

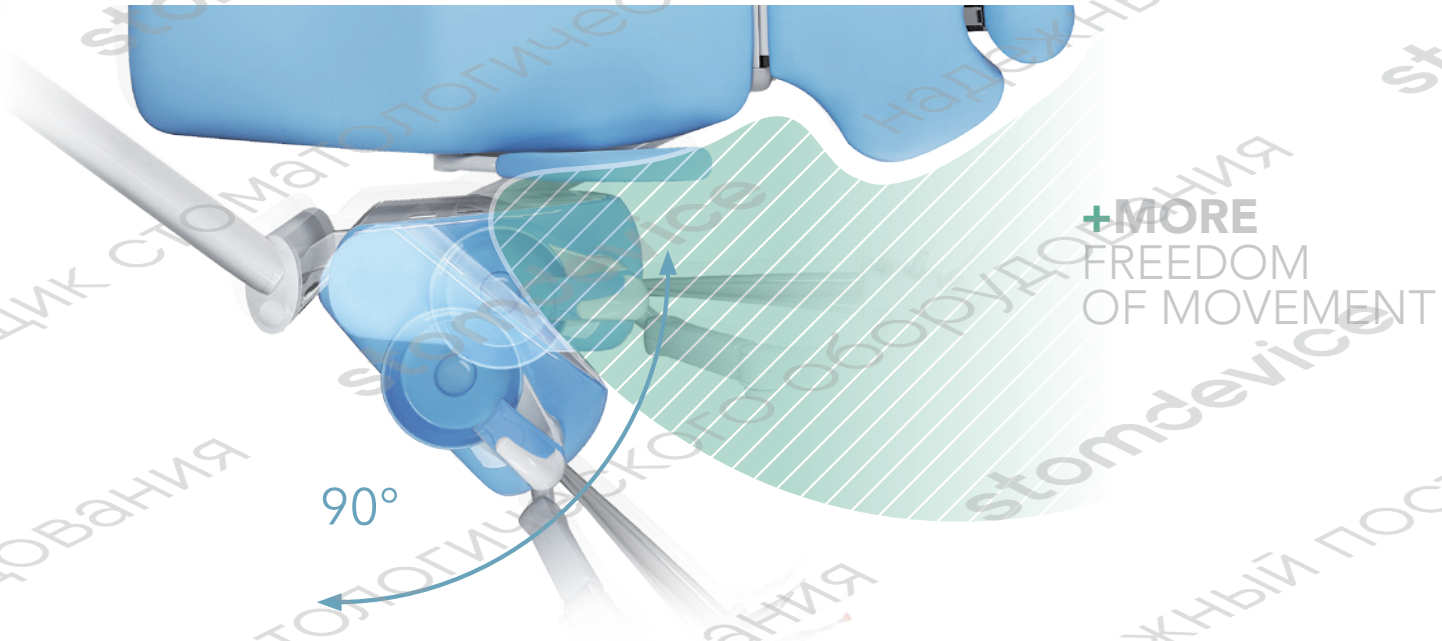
Rotatable cuspidor for better ergonomics and extra space around the patient



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

Dr. Zbynek Vrba / Dentist

Rotatable cuspidor for better ergonomics and extra space around the patient:



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PREMIUM

DIPLOMAT ADEPT
DA 370 / DA 380

DIPLOMAT CONSUL / LUX
DC 350 / DL 320



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DA 370 / DA 380

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 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.

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

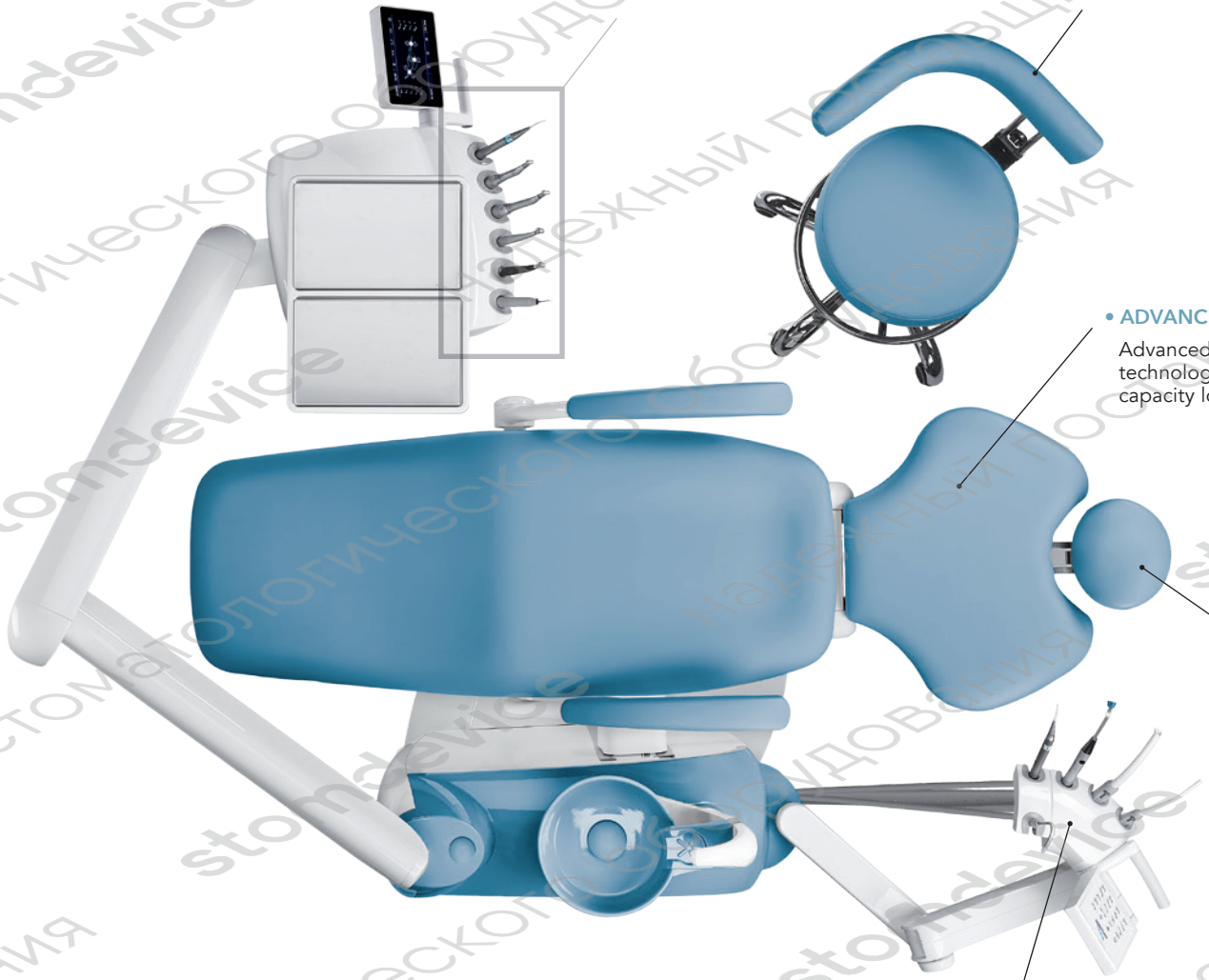




Perfect ergonomic design provides extra leg room

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





• FLEXIBILITY

Six-instrument dentist element customisable position of each instrument upon order

• OPTIMAL SUPPORT

Dentist stool with adjustable backrest and optional support ring for the legs

• ADVANCED MOVEMENT

Advanced chair movement technology with cradle move and capacity load of 200 kg.

• PERFECT POSITIONING OF THE HEAD

3D headrest enabling 3-axis positioning

☆ HIGH QUALITY

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

• UP TO 6 INSTRUMENTS

Pantographic assistant arm with the possibility to install up to 6 instruments

DC 350 / DL 320

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 the dentist to keep all instruments and materials within reach. Dental professionals and their patients will truly appreciate the upgraded version of the spittoon block with full electronic or manual control of the removable swivelling spittoon bowl. The spittoon block is fully compatible with the dry suction system of the Cattani bottle or Metasys and Durr amalgam separators as well as wet suction systems equipped with Durr valves.



Cart version available for DL320, DA380, DL210, and DA280 models or as a stand-alone solution.



Lower hose delivery system available on the DL 320 model.

• **INTERFACE FOR X-RAY PICTURES**

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

• **OPTIMAL SUPPORT**

Assistant stool with adjustable backrest and optional support ring for the legs

• **EASY MOTION**

Electropneumatic brake

• **PERFECT ERGONOMY**

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

• **BEARING FORCE**

235 kg capacity load of the chair (unit included)

• **MANY POSSIBILITIES**

Choice of fully automated or manual disinfection system and amalgan separators available

Electric rotary ceramic spittoon bowl available in different colours

• **EXTRA SPACE**

Rotatable cuspidor for better ergonomics and extra space around the 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: the disinfection of the instrument waterlines, cup filling and bowl rinsing lines and the decontamination of the suction system and houses to ensure the safety, cleanliness and operational efficiency of the dental units.



DENTAL MICROSCOPE DENSIM OPTICS

When high expertise and accuracy counts.
The 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 a wireless multifunctional foot control that is fully programmable by the user via a 7-inch colour display interface. The battery can last up to 2-3 months without charging*. The user can enjoy working with no limits on the floor regarding their movement around the unit. *measured on a standard working day 8hrs/day

D10L

DIPLOMAT STOOLS



“FOR 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 maintain a correct, ergonomic posture also while working with the microscope. Upholstery is available in a wide range of colours, giving our clients the opportunity to create a unique interior in their dental office. All D10L stools can 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



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

DIPLOMAT DENTAL – we produce values

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we produce values

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