OUR PHILOSOPHY
/OUR HISTORY

At DIPLOMAT DENTAL our mission is to provide our clients with superior dental care products and outstanding service.

With over 60 years of eventful history of dental equipment manufacturing, we have earned a solid reputation of the top manufacturer. Our impressive product portfolio ranges from dental units, chairs and stools to lights and other accessories. All our products are made with comfort and excellence in mind and will surely meet the requirements of even the most demanding dental professionals.

It all started back in 1952 as a repair service for medical equipment produced by Medical Mechanics (Liečební mechanika) factory in Prague. Some years later Medical Mechanics changed its name to Chirana Prague and management has decided to move some selected production lines to Piestany-based repair service factory. From that time on, the history of medical equipment manufacturing in Piestany has started.

Since 1997 Chirana-Dental Piestany, s.r.o. is an independent legal entity, with a long and lively history from the year 1952. For the past 15 years Chirana-Dental has been concentrating solely on dental equipment manufacture, and on establishing commercial and service networks. As DIPLOMAT products were becoming more and more popular and the demand for them was growing, company’s capital and resources increased significantly. In 2012 we have decided to change our name from Chirana-Dental to DIPLOMAT DENTAL and have started a new chapter in company’s history.

DIPLOMAT products are known around the world for its excellent quality, unparalleled ergonomics, versatility and refined design.

“Evolution in Practice”

Our slogan represents the attitude that our company has been trying to bring to our customers: 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 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. Our well-trained and qualified service technicians are ready to help whenever is necessary.

We take our commitment very seriously and constantly strive to improve our products, services and overall customer experience. Through a well-established customer-dealer-manufacturer network, we provide our customers with numerous ways of giving us their feedback and comments, to make sure they will get exactly what they are looking for.
DA 270 / DA 280
DIPLOMAT ADEPT
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, as well as 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.

**Diplomat Adept DA270 / DA280**

- **Performance**
  The ergonomic design of the units allows both the dentist and the assistant to work comfortably in a natural posture and grants easy access to a patient.

- **DA270 Dentist’s element**
  Five-position dentist’s element with glass or membrane keyboard enables easy navigation and control.

  An electronic coolant water amount control system, independent for each instrument, can be integrated upon request. It is possible to program up to eight customized handpiece settings into the unit.

- **Headrest with 3D ball joint**
  Stainless steel headrest with 3D ball joint enabling 3-axis positioning for unparalleled comfort even during complex dental treatments.

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- **Diplomat Adept DA270 / DA280**
  - offers the best to your patients
Diplomat Adept DA270 / DA280

The Diplomat Adept DA270 / DA280 dental units are designed to match the standards of modern ergonomics and provide ample room for natural movement of dentist, assistant and to grant comfortable and smooth patient positioning. Assistant’s element can be equipped with up to five instruments with an intraoral camera as an ancillary sixth instrument. For offering even more comfort, both units feature arm with electro pneumatic brake system and electronic control of swiveling spittoon bowl.

DA280 Dentist’s element

Dentist’s element features bottom instrumentists hose delivery system and integrated Bien-Air instruments. Glass keyboard with capacitive touch sensing enables easy navigation and control, and its slim and sleek surface can be cleaned with no effort. Pantographic arm can be supplied in either standard or shortened version.

Assistant’s element

We offer three versions of the assistant’s element: adjustable height pantographic arm, standard pivoting arm with three-position holder, basic version with single saliva ejector.

Tilting Armrest

Tilting armrest on the right side and fixed armrest on the left side not only grant additional comfort to your patients, but also improve working comfort and ergonomics even during long treatment sessions.
Diplomat Consul DC310 / Diplomat Lux DL210 - 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 chair-mounted or as a semi-stationary unit. The pantographic arm has a mechanical or electro-pneumatic brake system enabling dentist to set the dentist block 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.

DC310 Dentist’s element
Dentist’s element is equipped with membrane or glass keyboard, enabling easy menu navigation and control of all functions of both the unit and the chair. The panel features a capacious swiveling stainless steel or plastic tray table with two trays.

Options
Both units are available in chair-mounted or in a semi-stationary version. In a semi-stationary version the chair-mounted spittoon block grants the advantage of an independent chair and dentist’s element movement.

Monitor
Monitor for medical use can be a part of equipment on each DIPLOMAT dental unit.
Exclusive design allows integration of energy unit into DE20 and DM20 dental chairs. DM20 programmable chair features five programmable positions for two users separately. Assistant’s element is available in the two following versions: pivoting arm with three-position holder; pantographic arm with mechanical or electro pneumatic brake.

DL210 Dentist’s element
The five-position dentist’s element allows integration of up to four rotary instruments. An electronic coolant water amount control system, independent for each instrument, can be integrated upon request. Pantographic arm is available in its standard or shortened version.

CART Version
The Diplomat Lux DL210 dental unit is also available in a special mobile CART Version with an adjustable height panel.
Diplomat Consul DC170 / DC180 - functional and reliable

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.

DC170 Dentist’s element
The dentist’s element with membrane keyboard can be equipped with up to five instruments with lighting. The panel can be equipped with tray tables available in two sizes and an x-ray viewer upon request.

Spittoon Block
Both DC170 and DC180 can be equipped either with fixed or swiveling spittoon bowl upon request. Both versions are compatible with the following versions of the assistant’s element: saliva ejector or up to six-position assistant’s element.
DC170 and DC180 dental units feature simple and reliable design with up-to-date and compact electronics, enabling to carry out all standard types of dental treatment. Symmetric design allows easy conversion from right to left handed, according to one's preferences. Built-in electronics allows easy integration of a wide range of instruments. An electronic coolant water amount control system, independent for each instrument, can be integrated upon request.

Performance
The ergonomic design of the units allows both the dentist and the assistant to work comfortably in a natural posture, and granting easy access to a patient.

DC180 Dentist’s element
The five-position dentist’s element features an upgraded membrane keyboard enabling easy navigation and a tray table with removable sterilizable handle cover.

Diplomat Consul DC170 Orthodontics
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.

Diplomat Consul DC170 / DC180

DC170 and DC180 dental units feature simple and reliable design with up-to-date and compact electronics, enabling to carry out all standard types of dental treatment. Symmetric design allows easy conversion from right to left handed, according to one’s preferences. Built-in electronics allows easy integration of a wide range of instruments. An electronic coolant water amount control system, independent for each instrument, can be integrated upon request.
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.

Color Options
The selected components of a dental unit (spittoon bowl, upholstery, etc.) are available in various color alternatives according to the current catalogue.

Diplomat Adept DA170 / DA130 – 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.

DA170 Dentist’s element
The dentist’s element with upper instruments hose delivery system can be equipped with up to five instruments. The compact electronics allows handpiece arrangement according to personal preferences.

Assistant’s element
We offer the following versions of the assistant’s element: basic version with saliva ejector; three-position holder with large and small aspirators and possible further integration of multifunctional dental syringe.
The DA170 and the DA130 are spittoon block mounted dental units, suitable for all fields of dentistry. Both models offer great versatility, excellent technical parameters, easy maintenance and reliability for the attractive price. Smart electronics allows integration of a wide range of accessories, granting a full freedom to tailor the unit to one’s own preferences. The configuration of both units is designed to require minimal space and provide sufficient room for natural movement of dentist, assistant and patient.

Treatment Space
The ergonomic design of the units allows both the dentist and the assistant to work comfortably in a natural posture, and granting easy access to a patient.

Diplomat Adept DA170 / Diplomat Adept DA130
The DA170 and the DA130 are spittoon block mounted dental units, suitable for all fields of dentistry. Both models offer great versatility, excellent technical parameters, easy maintenance and reliability for the attractive price. Smart electronics allows integration of a wide range of accessories, granting a full freedom to tailor the unit to one's own preferences. The configuration of both units is designed to require minimal space and provide sufficient room for natural movement of dentist, assistant and patient.

Diplomat Adept DA110A
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 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.

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DA130/DA110A Dentist’s element
Five-position dentist’s element allows integration of up to three rotary instruments. Removable stainless steel tray table comes as a standard option.
DM 20 / DE 20 / DE 20 Lift

DIFFERENT ACCESSORIES

DM 20
Five programmable positions for two users. Working positions range 390–795 mm ± 10 mm. Chair integrated power unit (option). Chair blocking in case of collision and instrument withdrawal. Stainless steel headrest with 3D ball joint enabling 3-axis positioning (optional). Tilting right armrest (optional). 2 types of backrest: narrow and wide.

DE 20
One programmable position. Working positions range 390–795 mm ± 10 mm. Chair integrated power unit (option). Chair blocking in case of collision and instrument withdrawal. Stainless steel headrest with 3D ball joint enabling 3-axis positioning (optional). 2 types of backrest: narrow and wide. On special order dental chair DE 20 can be equipped with programming including memory for five positions.

DE 20 Lift
The dental chair with an innovative lifting mechanism. The chair’s design provides dentist with extra legroom. Possibility to have multiple users (two users/five position settings each). Working positions in range from 390 to 795 mm ± 10 mm. Topnotch safety mechanisms. Optional: swinging left armrest and comfortable 3D-axis headrest to accommodate the anatomy of each patient. Choice of wide or narrow backrest. Dental chair DE 20 Lift is ideal to combine with mobile version of dental unit CART DL210 or DL320 with separate power unit.

Foot Controllers
Units and chairs are fully compatible and can be controlled with the following models of foot controllers: UNO – multifunctional (universal) foot controller, NOX combined foot controller (both models have stepless adjustment system), and Marquardt foot controller (on/off system).

Dental Lights
Diplomat Xenos shadowless LED-Light is specifically designed for modern dentistry. Xenos – LED Dental Light with adjustable light intensity from 8 000 to 30 000 lx allows you to see even the tiniest details with extreme accuracy at minimum power consumption. Xenos – LED provides soft and neutral daylight illumination at color temperature from 3700–4000K and has extremely long operation life. Sirius dental light is supplied in white (standard) but is also available in blue or green.

Tray Tables
Tray tables, inclined or flat, with one or two trays made of stainless steel may be added as an optional accessory to all dental units.
Our D10L dental stools and “saddle” stools are designed to provide body comfort for dentists and assistants. The new modified stool construction helps keep 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 D’10L stools could be supplied with a fitted round foot-rest.

### D10L DIPLOMAT STOOLS

![D10L Dental Stools](image)

### COMPRESSORS

#### DIPLOMAT

- **KD 109/109B**
  - Air Tank: 80 l/min
  - Maximum Pressure: 9 bar
  - Power Consumption: 720 W
  - Noise Level: 70 dB
  - Measurements: 370x550x360

- **KD 124/124B**
  - Air Tank: 80 l/min
  - Maximum Pressure: 9 bar
  - Power Consumption: 720 W
  - Noise Level: 58 dB
  - Measurements: 450x450x360

- **KD 224D**
  - Air Tank: 100 l/min
  - Maximum Pressure: 9 bar
  - Power Consumption: 1,25 kW
  - Noise Level: 72 dB
  - Measurements: 450x450x360

- **KD A04B**
  - Air Tank: 320 l/min
  - Maximum Pressure: 120 mbar
  - Power Consumption: 400 W
  - Noise Level: 370x310x370

### Air Tank Efficiency

- **KD 109**
  - Air Tank: 80 l/min
  - Maximum Pressure: 9 bar
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### Underpressure

- **KD 109**
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- **KD A04B**
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### Measurements

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