


# DENSIM

DENTAL INSTRUMENTS





## DENSIM Dental Instruments

DENSIM products provide excellent performance and precision for perfect results of your work. We are especially focused on high quality of our products. Enjoy long lifetime and comfortable operation with DENSIM instruments!

### Push-button system

Comfortable and safe push-button system for easy bur changing.

### Ceramic bearings

Original ceramic bearings DENSIM significantly increase the life, reduce noise level and vibrations.

### Illumination

Monolithic glass rod light conductor delivers ideal and consistent illumination of the whole working area.

### Hygiene

All handpieces can be surface-disinfected by major chemical disinfecting agents (disinfecting spray or disinfecting wipes).

### Premium spindle mechanism

Extra long life of the spindle chuck mechanism made of wolfram carbide delivers excellent bur concentricity.

### Removable head

Each DENSIM blue and green contra angle handpiece is equipped with removable head. This system allows to replace only the head on the handpiece, once there is a time for exchange.



Excellent performance,  
extremely low noise level  
and perfect illumination

Ergonomic shape of the instrument and simple, efficient design meet the requirements of the dentists. Thanks to the premium spindle chuck mechanism made of wolfram carbide the life of the product is significantly increased. Practical push-button system allows quick and safe replacement of the bur.

Exceptional ergonomics,  
excellent parameters.  
Superior design, simple  
handling and reliability are  
characteristic features of  
DENSIM handpieces.  
Comfortable shape allows  
to handle each instrument  
easily and with precision.

Internal cooling system is used in all DENSIM handpieces. Cooling water and air are supplied through two independent ways. Practical spindle chuck mechanism allows quick replacement of the bur. Smooth coating ensures ideal hygiene during dentist operation and cleaning process. Removable head on blue and green contra angle handpieces is practical system, which reduce the cost of maintenance.





# LED Blue Light System in DENSIM Motors

## **LED Blue Light system**

counts with an unique system that is able to enhance any material with different fluorescence from the tooth structure, ensuring greater precision in the removal of restorative materials, reducing the occurrence of unnecessary damage to the healthy dental structure.

## **LED Ultra Vision illumination system**

Facilitates the visualization of the limits of the cavities preparations promoting a greater accuracy of the finishing and correction of irregularities.

Improved visualization during coronary opening and location of root canals

Find out lightweight,  
perfectly balanced and delivery  
of smooth power control. DENSIM  
Brushless Motors are designed for  
enhanced durability and offers an  
extended working life.

**DX / DX BLUE** brushless micromotor can be used in all general dentistry procedures.

**DX PRO / DX PRO BLUE** brushless endodontic micromotor is additionally featured with endodontic functions like auto-revers, auto-forward supported by new Diplomat dental unit electronics.

**DX SRG** surgical brushless micromotor is specially dedicated for surgical and implantology treatments in combination with peristaltic pump installed on selected Diplomat dental units.

**DX BLUE** and **DX PRO BLUE** brushless micromotors are specially equipped with LED Blue Light system that is able to enhance any material with different fluorescence from the tooth structure, ensuring greater precision in the removal of restorative materials, reducing the occurrence of unnecessary damage to the healthy dental structure.



# Turbines



## Efficiency of work

Four hole spray system, low vibrations and minimum noise level help to improve the comfort and work efficiency of the dentist.



## DENSIM QUICK LED

The DENSIM QUICK coupling is distinguished by its reliability and ease of use. The rotary coupling allows the practitioner to work freely and effortlessly. Providing secure quick connect coupling and a simple disconnection mechanism, it can be both quickly connected and disconnected.

Reference number: DSQC6016K

## VIENNA

Max. speed (at 2.8 bar)  
320.000 rpm

Recommended air pressure  
2.1 – 2.8 bar

Bearings  
ceramic

Illumination  
without light

Power  
19 Watt

Head type  
standard

Coating  
chrome

Spray system  
4-hole

Reference number  
DSHE17

## MONACO LUX

Max. speed (at 2.8 bar)  
320.000 rpm

Recommended air pressure  
2.1 – 2.8 bar

Bearings  
ceramic

Illumination  
LED

Power  
19 Watt

Head type  
standard

Coating  
chrome

Spray system  
4-hole

Reference number  
(with quick connector)  
DSHE21KLSET

Reference number  
(without quick connector)  
DSHE21KL

## MONACO S LUX

Max. speed (at 2.8 bar)  
400.000 rpm

Recommended air pressure  
2.1 – 2.8 bar

Bearings  
ceramic

Illumination  
LED

Power  
17 Watt

Head type  
small

Coating  
chrome

Spray system  
3-hole

Reference number  
(with quick connector)  
DSHE22KLSET

Reference number  
(without quick connector)  
DSHE22KL

## MONTREAL LUX

Max. speed (at 2.8 bar)  
350.000 rpm

Recommended air pressure  
2.1 – 2.8 bar

Bearings  
ceramic

Illumination  
LED

Power  
22 Watt

Head type  
standard

Coating  
titanium

Spray system  
4-hole

Reference number  
(with quick connector)  
DSHP21KLSET

Reference number  
(without quick connector)  
DSHP21KL

## MONTREAL S LUX

Max. speed (at 2.8 bar)  
420.000 rpm

Recommended air pressure  
2.1 – 2.8 bar

Bearings  
ceramic

Illumination  
LED

Power  
18 Watt

Head type  
small

Coating  
titanium

Spray system  
3-hole

Reference number  
(with quick connector)  
DSHP22KLSET

Reference number  
(without quick connector)  
DSHP22KL

# Handpieces



<b>DUBLIN U 1:1</b>	<b>DUBLIN U 1:1 LUX</b>	<b>DUBLIN U 2,7:1 LUX</b>	<b>DUBLIN U 5,4:1 LUX</b>	<b>DUBLIN U 7,4:1 LUX</b>	<b>DUBLIN U 14,8:1 LUX</b>
Max. speed 40.000 rpm	Max. speed 40.000 rpm	Max. speed 14.815 rpm	Max. speed 7.407 rpm	Max. speed 5.405 rpm	Max. speed 2.703 rpm
Transmission 1:1	Transmission 1:1	Transmission 2,7:1	Transmission 5,4:1	Transmission 7,4:1	Transmission 14,8:1
Type contra-angle handpiece without light	Type contra-angle handpiece with light	Type contra-angle handpiece with light	Type contra-angle handpiece with light	Type contra-angle handpiece with light	Type contra-angle handpiece with light
Compatibility ISO 3964	Compatibility ISO 3964	Compatibility ISO 3964	Compatibility ISO 3964	Compatibility ISO 3964	Compatibility ISO 3964
Cooling internal	Cooling internal	Cooling internal	Cooling internal	Cooling internal	Cooling internal
Burs RA ø 2,35 mm type	Burs RA ø 2,35 mm type	Burs RA ø 2,35 mm type	Burs RA ø 2,35 mm type	Burs RA ø 2,35 mm type	Burs RA ø 2,35 mm type
Coating chrome	Coating chrome	Coating chrome	Coating chrome	Coating chrome	Coating chrome
Reference number DSLE11SET	Reference number DSLE11LSET	Reference number DSLE27LSET	Reference number DSLE54LSET	Reference number DSLE74LSET	Reference number DSLE148LSET



# Handpieces



## DUBLIN P 1:1

## PARIS U 1:1 LUX

## PARIS P 1:1

Max. speed 40.000 rpm	Max. speed 40.000 rpm	Max. speed 40.000 rpm
Transmission 1:1	Transmission 1:1	Transmission 1:1
Type straight handpiece without light	Type contra-angle handpiece with light	Type straight handpiece with light
Compatibility ISO 3964	Compatibility ISO 3964	Compatibility ISO 3964
Cooling internal	Cooling internal	Cooling internal
Burs HP ø 2,35 mm type	Burs RA ø 2,35 mm type	Burs HP ø 2,35 mm type
Coating chrome	Coating titanium	Coating titanium
Reference number DSLE01	Reference number DSLP11LSET	Reference number DSLP01L

# Motors



## DX / DX BLUE

## DX PRO/ DX PRO BLUE

## DX SRG

## WELLINGTON

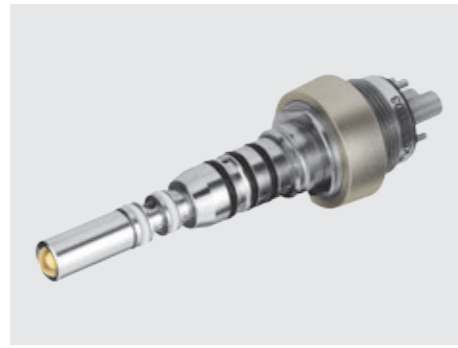
Applications	Restorative, Prophylaxis	Restorative, Prophylaxis, Endodontics	Impantology, Surgery	Restorative, Prophylaxis
Motor type	brushless	brushless	brushless	air motor
Speed range	1000-40 000 rpm	80-40 000 rpm	80-40 000 rpm	5000-20 000 rpm at 2,8 bar
Torque	3.5 Ncm	3.5 Ncm	5 Ncm	N/A
Torque control	No	Yes	Yes	No
Max power	60 W	60 W	80 W	N/A
Anti retraction valve function	yes	yes	no	N/A
Illumination	LED	LED	LED	no
LED BLUE Light system	DX BLUE	DX PRO BLUE	no	no
Weight	81 g	81 g	104 g	83g
Dimensions	ø 21,8 x 44,7 mm	ø 21,8 x 44,7 mm	ø 21,8 x 56,7 mm	ø 20 x 52 mm
Hose rotation	yes	yes	yes	midwest type
Sterilisable	yes	yes	yes	yes
Handpiece holder ISO 3964	yes	yes	yes	yes
Handpiece holder INTRAmatic Lux®	yes	yes	N/A	N/A
Warranty	3 years	3 years	3 years	1 year
Reference number	DSDX101/ DSDX101B	DSDX201/ DSDX201B	DSDX301	DSAM1004

# Customer Service



## MONTREAL S LUX

The mini head turbine MONTREAL S LUX is ideal when preparation conditions are restricted principally in the molar region or when treating patients with smaller mouths. The miniature head offers optimized visibility and hence the right conditions for unhindered work even when space is restricted.



## DENSIM QUICK T LED

The DENSIM QUICK coupling is distinguished by its reliability and ease of use. The rotary coupling allows the practitioner to work freely and effortlessly. Providing secure quick connect coupling and a simple disconnection mechanism, it can be both quickly connected and disconnected.

Reference number: DSQC6116K



## DUBLIN HEAD

DUBLIN HEAD exchangeable head with push-button spindle of the bur. The head is autoclavable up to 135°C and is compatible with DUBLIN contra-angle handpieces.

Reference number:

DSLCH11 (blue, transmission 1:1)

DSLCH21 (green, transmission 2:1)



**Do you have questions about our products or services?** Get advice, answers and information on our complete product portfolio and available services in your area. Our team is ready to assist you and provide you with best-in-class service for all your support needs.



## REMOVABLE HEAD

Each DENSIM blue and green contra angle handpiece is equipped with removable head. This system allows to replace only the head on the handpiece, once there is a time for exchange.



## PARIS HEAD

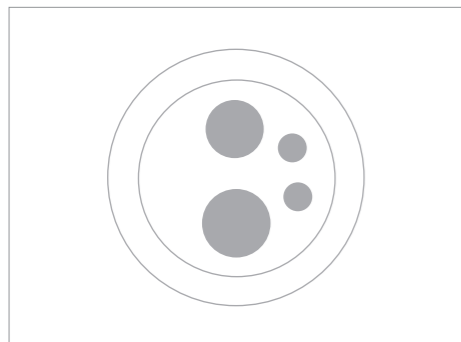
Exchangeable head for PARIS U 1:1 with titanium coating are highly durable and resistant to mechanical influences. All heads are equipped with the comfortable pushbutton system.

Reference number: DSLPH11



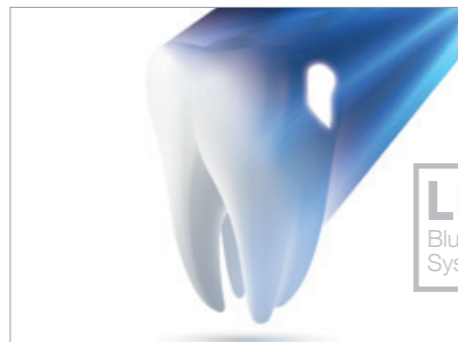
## MONACO S LUX

Model with a small head is suitable for easy work in molar area and for work with children patients.



## 4-hole connection

DENSIM turbines can be connected to standard 4-hole hoses of Midwest type.



## LED Blue Light System

Improved visualization and traceability of existing composite fillings

**Diplomat Dental** carefully selected partners around the world provide excellent customer support and services for DENSIM dental instruments. You can rely on trained, professional, technical experienced team, who simply enjoy customer care!



## Premium Service Oil

The proper care and maintenance of DENSIM dental instruments is basic principal to preserving not only the life time of the instruments but its correct function as well. Implementation of appropriate cleaning, sterilization and lubrication techniques for each hanpiece and components is essential.



**DENSIM by**  
DIPLOMAT DENTAL s.r.o.  
Vrbovská cesta 17  
921 01 Piešťany  
Slovak republic

T 00421 33 79 54 111  
F 00421 33 77 26 326

info@densim.com  
[www.densim.com](http://www.densim.com)

**EUR-MED SLOVAKIA s.r.o.**

Športová 503  
91601 Stará Turá  
Slovak republic

**Office**  
Vrbovská cesta 17  
921 01 Piešťany  
Slovak republic

T 00421 33 79 54 807  
F 00421 33 79 54 809

int@eur-med.sk  
[www.eur-med.sk](http://www.eur-med.sk)

**DENSIM**  
DENTAL INSTRUMENTS

