

Chirana MUSIC



DENTAL INSTRUMENTS

Our history

Chronology of turbines production

...up to 1991

production of turbines with plastic spindle and with body made from brass, screw fixation

...from 1993

production of turbines with push-button system, fully made from metal

...from 1994

production of turbines with flexible light-rod

...from 1996

production of turbines with angular connection, Chirana quick-coupling system launched

...from 2005

production of stainless turbines, milled heads, only ceramic bearings

...from 2007

production of turbines with quick stop function, no-oil function

...from 2012

production of turbines from titanium

...from 2016

production of turbines is focused only on Multiflex standard and Midwest standard and our turbine portfolio is organized into 3 ranges – Chirana 637, Chirana 656, Chirana Easy

Chronology of handpieces production

...up to 1989

Chirana didn't produce

...1990

first production of straight handpieces and contra-angles in accordance with license from KaVo

...1997

launching of light contra-angle, push-button head

...2006

production of stainless micromotoric handpieces

...2010

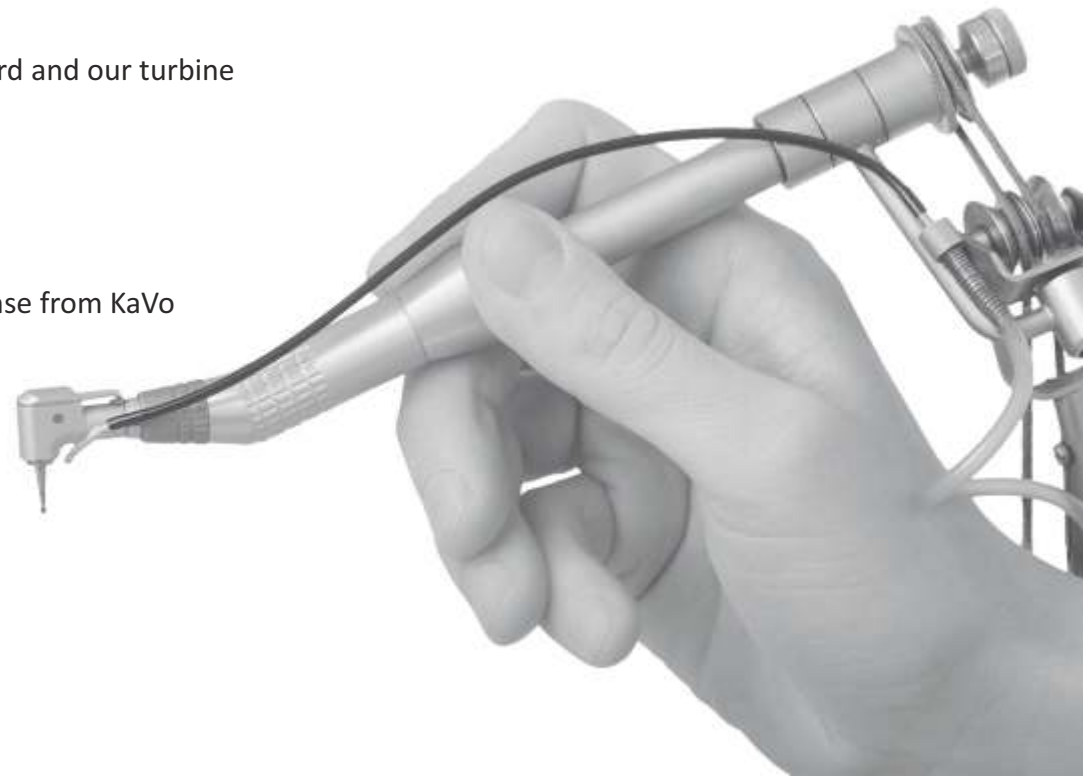
the body of micromotoric handpieces from titanium

...2014

the development of compact handpieces blue (1:1) and red (1:5)

...2016

from July starts the production of compact handpieces blue (1:1) and red (1:5)





Stainless steel and titanium

Bodies and functional parts from stainless steel and titanium means high hygienic standard with possibility to use washing automat, disinfection and sterilization.

Ceramic bearings

Guarantee reliability and long life. Quiet, vibration-free operation.

Oilless bearings save costs on operation.

Quick stop function

Rotor is stopped up to 1,5 sec. That eliminates a risk of injuring and suction from patient's cavity.

Vacuum elimination

Air non-return valve prevents to suck oral fluids and other contaminants into the handpiece.

Optimum cooling by side spray, 4-nozzle spray or 5-nozzle spray.

Lighting

The CHIRANA Medical instruments are available in versions without light and with light LED.

LED lighting improves the visibility of operative field, generates natural white light similar to daylight, eliminates heating of handpieces and has longer life cycle as traditional bulb.

Production of dental instruments in CHIRANA Medical

The development and production of dental instruments in our company has evolved **since 1989**. The production of dental instruments is built-up at tradition of precision mechanics production and measuring technic production/watermeters, gasmeters/ in Stara Tura which was established in 1935. CHIRANA Stara Tura enlarged its products portfolio in 3rd quarter of 1967 by dental units when first dental unit under the trademark CHIRADENT was launched. Together with lines ERGOSTAR, PRAKTIK, SMILE and CHIRANA CHEESE have been produced in Stara Tura more than 110000 pieces of dental units under the trademark CHIRANA for its almost 50-years history of dental production in Stara Tura. Previously all produced dental units were equipped with micro-motoric handpieces from W+H or MLW Potsdam. This situation was changed in 1989 when CHIRANA signed historical **license agreement with company KaVo** to start production of dental instruments in Stara Tura. Under license agreement with KaVo we started to produce straight handpieces and contra-angles with inner or external cooling. Thanks to this licensed production our company started from beginning using the high-modern production standards, sophisticated measurement technology and especially we opened co-operation with leading producers of machinery and technologies like Index, Benzinger, Chiron, Studer, Tornos, Rika, Maier, DMG-Mori, Trumpf, Fehlman etc. The production of mechanical components for dental instruments needs wide range of very accurate NC technologies **from dimension of 0.5mm up to 32mm**. The using of such accurate technologies and construction of fine-precise components is bringing the necessity to use only high-quality raw materials with accurate and declared composition and 100% control. Whole production is performing directly in Stara Tura with **minimal share of suppliers and outsourcing**. The processes like surface modification and metrology are performed by our sister's companies (Chiragal and Chiranalab Stara Tura). There are buying as raw material only components like bearings, light-rods, LED light sources, "O"-rings and magnets from external sources. These components are produced in accordance with our documentation by **reputable suppliers from Germany or Switzerland**(GRW,SCHOTT, Parker, L.Klein).During latest years we are focused on improving the hygienic standard, autoclavability and durability of our instruments. Whole design of handpieces is getting more "clean" with minimum of seams which always are the potential source of contamination. Our internal layout of instruments allows the usage of washing or disinfecting automats (Miele) before sterilization process. The special "no-oil" bearing (lubricated for whole lifetime, used in HF turbines and in brushless micromotors) are fully autoclavable as well. Also our used plastic materials for production of instruments are only high-tech level (PEEK – polyetheretherketone), fully hygienic and autoclavable.



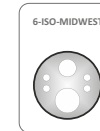
Description of pictograms



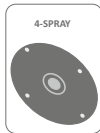
LED for optimal lighting



Small head for better accessibility



6-ISO-Midwest connection



4-spray for optimal cooling



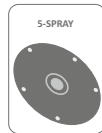
Oil free maintenance



4-ISO-Midwest connection



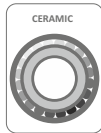
Comfort push-button chucking system



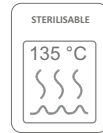
5-spray for optimal cooling



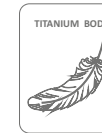
Quick Stop up to 1,5 second



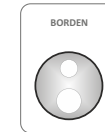
High precision ceramic bearings



Designed for effective sterilization



Very light and durable body



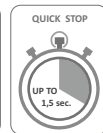
Borden type connection

CE
0434

TGL 637 A



optional versions:

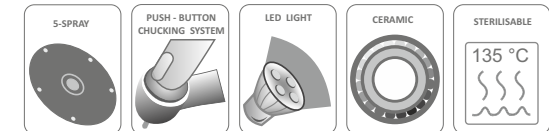


High power turbine with excellent power vs weight ratio. Clear design, ergonomic and good balanced body from stainless steel.

Durable cellular glass optics. Multiflex® Quick system connection for easy exchanging.

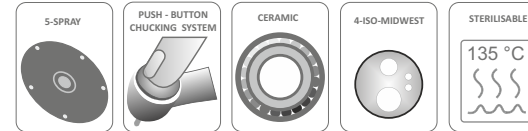
Worldwide lightest turbine in titanium option (only 36 grams).

Multiflex® is a registered brand of company
Kaltenbach & Voigt Co. KG, Biberach

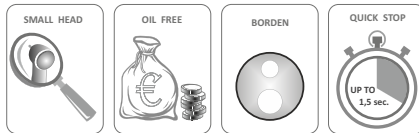


TG 656 / TG 656 EASY

CE
0434



optional versions:



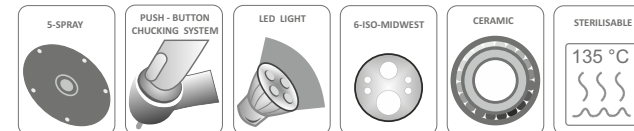
High power turbine. Clear design,
ergonomic and good balanced body.
5- spray in standard option. Worldwide
established hose connection standard.
Low weight, only 47 grams.



TURBINES – Midwest or without light

CE
0434

TGL 656 EASY



optional versions:



High power turbine. Clear design,
ergonomic and good balanced body.
Durable cellular glass optic and
optimal LED light. Worldwide
established hose connection
standard. Low weight, only 52 grams.



TURBINES – Midwest with light

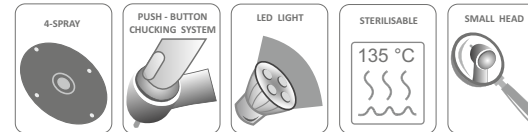
Contra-angle handpiece with 1:1 ratio.

Clear design, ergonomic and durable body.

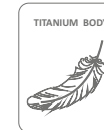
4-spray for optimal cooling.

Durable cellular glass rod for brightness lighting.

For burs with \varnothing 2,35 shank.



optional versions:



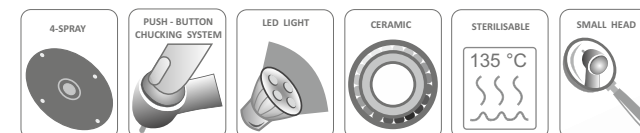
Contra-angle handpiece with 1:5 ratio.

Clear design, ergonomic and durable body.

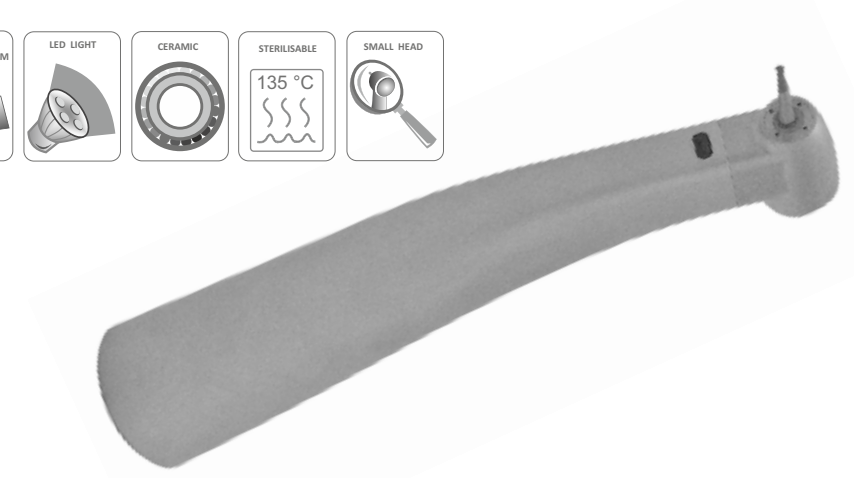
4-spray for optimal cooling.

Durable cellular glass rod for brightness lighting.

For burs with \varnothing 1,6 shank.



optional versions:



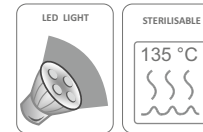
120 / 120L

CE
0434



Contra-angle handpiece 1:1 compatible with 168 D-T head.
Contra-angle compatible with KaVo Intralux® - heads
(1 contra angle = 13 different instruments).
Body and functional parts from stainless steel.
Separate internal cooling media.
Cellular optic.
Without light (120).

Intralux® is a registered brand of company
Kaltenbach & Voigt Co. KG, Biberach



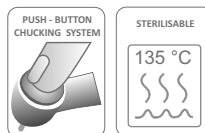
optional versions:



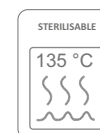
CONTRA-ANGLE

CE
0434

168 D-T



Compatible with contra-angle 120 L, 120 D.
Push-button chucking system.
Body and functional parts from stainless steel .



Straight handpiece 1:1 .
Body and functional parts from stainless steel.
Separate internal cooling media.
Effortless control of chucking system.
Low-vibration operation.



HEADS
STRAIGHT HANDPIECES

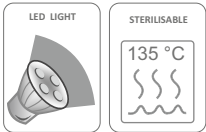
110 D



CH 660 Bless



Brushless micromotor with quiet and vibration free operation.
Stable torque in combination with short length (49mm).
Optimal LED light. Fully sterilisable at 135°C.
Controllable speed at range 100 - 40 000rpm.
Very low weight in titanium option, only 60 grams.
CHIRANA hose connector.



optional versions:



MICROMOTORS brush with light



CH 660 LED



optional versions:



Durable commutator micromotor from stainless steel.
INTRAMATIC Lux connection. Optimal LED light.
High torque controllable at full range of speed 100 - 40 000rpm.
Air filter. Removable coat sterilisable at 135°C.
CHIRANA hose connector.



MICROMOTORS brush with light

CH 660



Durable commutator micromotor from stainless steel.
INTRAMATIC connection.
Hight torque controllable at full range of speed 100 - 40 000rpm.
Air filter. Removable coat sterilisable at 135°C.
CHIRANA hose connector.



MICROMOTORS without light



CH 660 model 460

MICROMOTORS without light



Durable commutator micromotor from stainless steel.
INTRAMATIC connection.
Hight torque controllable at full range of speed 100 - 40 000rpm.
Cooling air through holes in coat.
CHIRANA hose connector (old version)



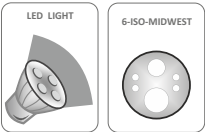


420



Stainless steel .
With LED light.
Connection: ISO-6-Midwest.

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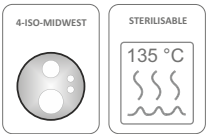


QUICKCOUPLINGS

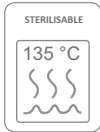
OZK 92 / OZK 93



Body and functional parts from stainless steel.
Connection: 4-ISO-Midwest.
Natural painless treatment.



Body from titanium and functional parts from stainless stell.
KaVo ®Multiflex coupling.
Natural painless treatment.



PNEUMATIC SCALERS

Maintenance and accessories

Smioil spray 500 ml, Smioil spray 300 ml

High-quality cleaning and oiling
for daily care of dental instruments



You can ensure a long live for your instruments
by right cleaning and oiling.
We recommend to use Smioil spray.

KM



for MULTIFLEX coupling turbines and OZK 93 Ti scaler

KN



for handpieces and heads

KT



for Midwest, Borden turbines



After 1 year with right maintenance



**After 1 month without
right maintenance**

Registered trade marks:

Chirana

Chirana-inox



THANK YOU!
50
years of success



Since 1967
in dental business

Chirana
Medical & Dental Company



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