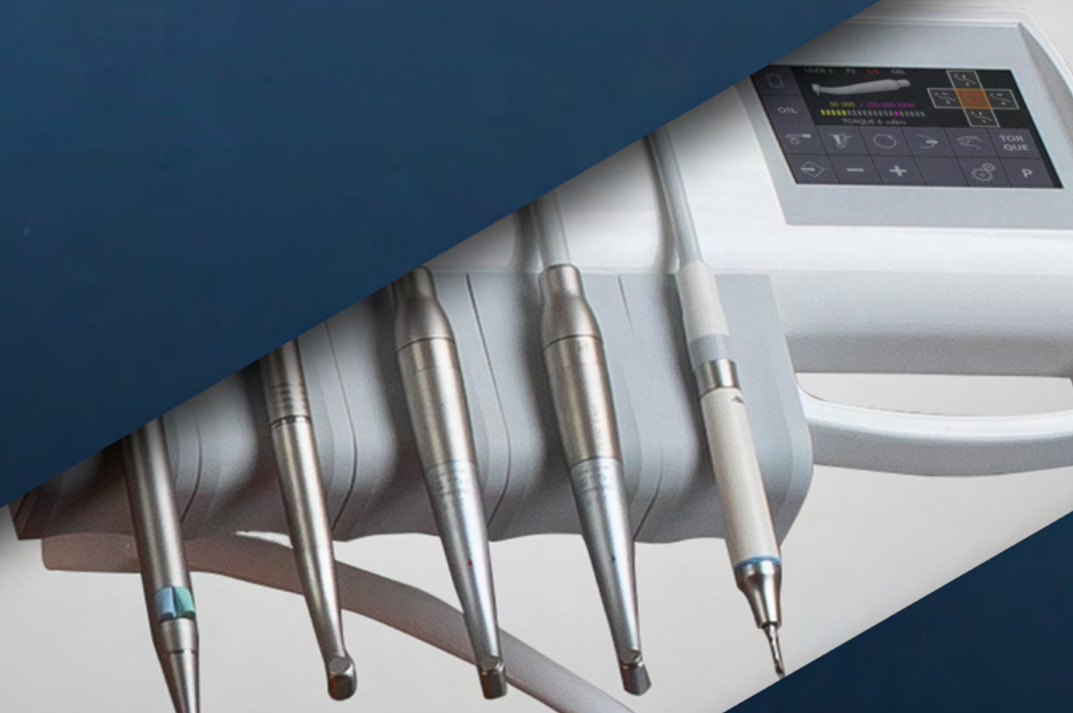




DENTAL UNITS





THE QUALITY GUARANTEED BY TRADITION.
Since 1935

Chirana
Medical & Dental Company

DENTAL UNITS



PROUDLY MADE IN SLOVAKIA.





about us

The foundations of the machinery production in Stará Turá were laid by the industrialist František Michera in 1935. Our company CHIRANA Medical continues this tradition of precision engineering until today. The product portfolio of CHIRANA Medical, a.s. consists of all our traditional production segments: dental units, dental chairs and dental handpieces. For our products, a modular concept is used, which allows the customers to select product features exactly according to their specific requirements from a basic unit, up to the most advanced equipment. Products are not mass produced but manufactured per customer order. Nonetheless, the company is able to meet customer requirements within a very short time.

Chirana Medical strives on being an environmentally friendly company. The main fundamentals of CHIRANA Medical, a.s. is to maintain a high quality and long operating life of our products, with minimum maintenance costs. The basic prerequisite for maintaining the quality of CHIRANA Medical, a.s. is production based on our own technical R&D, modern CNC machines, robotic machinery technologies, quality system, proven materials from Europe, top technical equipment and lastly, a highly qualified workforce with skills in dental unit production since 1967.

chronology of the production

- 1964 ■ Building up of the new three-floor hall in size of 8313 m² for production of medical devices in Stara Tura (our current headquarter)
- 1967 ■ Production of the first dental unit Chiradent 662 and launching of traditional concept of dental units supported by chair
- 1968-1985 ■ Production of range Chiradent units in various modifications
- 1985 ■ Building up of the new extension hall in size of 7267 m² for production of medical electronics in Stara Tura (all current headquarter)
- 1989 ■ Starting of production of dental instruments and handpieces
- 1990-1995 ■ Production of Ergostar units in various modifications
- 1993-2002 ■ Production of Praktik units in various modifications
- 1999-2015 ■ Production of Smile units in various modifications
- 2010 ■ Launch of the new Chirana Cheese dental units with various modifications
- 2014 ■ Launch of the new concept of lift dental unit Chirana Cheese L (chair supported by stationary dental unit)
- 2017 ■ Launch of the new concept of universal dental unit Chirana Cheese UNI (arms supported by chair, integration of dental unit into patient chair)
- 2018 ■ CHIRANA has produced over 125,000 dental units since beginning production in Stara Tura

COMFORTABLE



more info
and details about
the product

Chirana CHEESE E

Chirana
CHEESE E

Dentist table for 4 or 6 instruments

on a pantographic arm, lower or continental delivery system of hoses
(with hanging hoses or with whip's arms)

Control panel:

foil keyboard or touch screen

Standard functions:

power setting /speed setting, instrument light on/off, spray setting, chip-blower function,
programming of cup filling and bowl rinsing time, lamp on/off, chair control

Safety functions:

STOP function - immediate stop of the chair, blocking of the simultaneous activation of
the instruments, blocking the movements of the chair when the instruments are working,
low-voltage power supply in whole unit and in the chair

Useful functions:

slow speed control of micromotor (from 60 up to 40000 rpm), possibility to set parameters
separately for each instrument and separately up to 4 users, automatic lamp OFF when chair is
moving, automatic activation of bowl rinsing after the procedure, automatic chip-blowing,
GIROMATIC function, LED ready electronics, optional automatic pneumatic brake of pantograph

Assistant's table

For 2 or 4 instrument hoses (saliva-ejector hose, suction unit hose, syringe, polymerization lamp)
different options for arm: simple arm, an extended swivel arm or a pantographic arm

Spittoon block

Removable and sterilisable rotary ceramic bowl, programming of cup filling time and bowl rinsing time
Wet and dry suction systems: DURR, CATTANI, Chirana ejector systems.

Foot control

Simple switch for instrument activation, controller with spray control function, multifunctional controller with
complete control of the unit and chair, optional wireless version (in acc. with Directive 2014/53/EU)

Additional equipment:

different arms for light (extended FARO, color with plastic cover, TheiaTech lighting technology), monitor arm,
monitor, tray tables, instrument hose disinfection function, clean water from bottle for unit or instruments
(independent from public supply)

Chair

Possibility of completion of the dental unit with chair SK1-01 or SK1-08

SK1-01: 4 programming positions for 1 user or for 4 users using touch screen

SK1-08: 4 programming positions for 4 users

Control of the chair in 3 ways – using of the dentist's table, assistant's table or multifunctional foot controllers



IMAGINATIVE



more info
and details about
the product

Chirana CHEESE L

Dentist table for 5 instruments

on a pantographic arm, or on a cart, lower or continental delivery system of hoses
(with hanging hoses or with whip's arms)

Control panel:

foil keyboard or touch screen

Standard functions:

power setting /speed setting, instrument light on/off, spray setting, chip-blower function,
programming of cup filling and bowl rinsing time, lamp on/off, chair control

Safety functions:

STOP function - Immediate stop of the chair, blocking of the simultaneous activation of
the instruments, blocking the movements of the chair when the instruments are working,
low-voltage power supply in whole unit and in the chair, very stable and lean, space-saving concept
of dental unit

Useful functions:

slow speed control of micromotor (from 60 up to 40000 rpm), possibility to set parameters separately
for each instrument, GIROMATIC function, LED ready electronics, automatic chip-blowing, getting-on
position to the chair from 390mm

Assistant table

For 2 or 4 instrument hoses (saliva-ejector hose, suction unit hose, syringe, polymerization lamp)
different options for arm: simple arm, an extended swivel arm or a pantographic arm

Spittoon block

Removable and sterilizable rotary ceramic bowl, programming of cup filling time and bowl rinsing time, optional
the Sterisil Cartridge to purify and treat water connected to a dental unit
Wet and dry suction systems: DURR, CATTANI, Chirana ejector systems.

Foot control

Simple switch for instrument activation, controller with spray control function, multifunction controller with
complete control of the set and chair, optional wireless version (in acc. with Directive 2014/53/EU)

Additional equipment

different arms for light (extended FARO, color with plastic cover, TheiaTech lighting technology), monitor arm,
monitor, tray tables, instrument hose disinfection function, clean water from bottle for unit or instruments (in-
dependent from public supply)

Chair

Possibility of completion dental unit with chair SKI-01 or SKI-08

SKI-01: 4 programming positions

SKI-08: 4 programming positions for 4 users

Control the chair in 3 ways - using of the dentist's table, assistant's table or multifunctional foot controllers

SOPHISTICATED

Chirana CHEESE EASY

Dentist table for 5 instruments

on a pantographic arm, or on a cart, lower or continental delivery system of hoses
(with hanging hoses or with whip's arms)

Control panel:

foil keyboard or touch screen

Standard functions:

power setting /speed setting, instrument light on/off, spray setting, chip-blower function,
programming of cup filling and bowl rinsing time, lamp on/off, chair control

Safety functions:

STOP function - Immediate stop of the chair, blocking of the simultaneous activation of
the instruments, blocking the movements of the chair when the instruments are working,
low-voltage power supply in whole unit and in the chair

Useful functions:

slow speed control of micromotor (from 60 up to 40000 rpm), possibility to set parameters separately
for each instrument, GIROMATIC function, automatic chip-blowing, LED ready electronics

Assistant table

For 2 or 4 instrument hoses (saliva-ejector hose, suction unit hose, syringe, polymerization lamp)
different options for arm: simple arm, an extended swivel arm or a pantographic arm

Spittoon block

Removable and sterilizable rotary ceramic bowl, programming of cup filling time and bowl rinsing time, optional
the Sterisil Cartridge to purify and treat water connected to a dental unit
Wet and dry suction systems: DURR, CATTANI, Chirana ejector systems.

Foot control

Simple switch for instrument activation, controller with spray control function, multifunction controller with
complete control of unit and chair, optional wireless version (in acc. with Directive 2014/53/EU)

Additional equipment

different arms for light (extended FARO, color with plastic cover, TheiaTech lighting technology), monitor arm,
monitor, tray tables, instrument hose disinfection function, clean water from bottle for unit or instruments
(independent from public supply)

Chair

Possibility of completion dental unit with chair SK1-01 or SK1-08

SK1-01: 4 programming positions

SK1-08: 4 programming positions for 4 users

Control the chair in 3 ways - using of the dentist's table, assistant's table or multifunctional foot controllers



more info
and details about
the product



VERSATILE



more info
and details about
the product

Chirana CHEESE UNI

Dentist's table for 5 instruments
enables universal manipulation for left and right-handed
on a pantographic arm with lower delivery system of hoses

Control panel:
multifunctional foil keyboard

Standard functions:
power setting /speed setting, instrument light on/off, spray setting, chip-blower function,
programming of cup filling and bowl rinsing time, lamp on/off, chair control

Safety functions:
STOP function - immediate stop of the chair, blocking of the simultaneous activation of
the instruments, blocking the movements of the chair when the instruments are working,
low-voltage power supply in whole unit and in the chair

Useful functions:
slow speed control of micromotor (from 60 up to 40000 rpm), possibility to set parameters separately
for each instrument, function GIROMATIC, automatic chip-blowing, LED ready electronics

Assistant's table (optional)
on 2nd swivel arm for 2 instrument hoses: saliva-ejector hose, suction unit hose

Spittoon block
Removable and sterilisable rotary ceramic bowl, programming of cup filling time and bowl rinsing time, optional
the Sterisil Cartridge to purify and treat water connected to a dental unit
Wet and dry suction systems: DURR, Chirana ejector systems

Foot control
A simple foot-switch for activation of instruments, controller with spray control function, multifunctional foot
control with a complete regulation of both the set unit and chair,
optional wireless version (in acc. with Directive 2014/53/EU)

Additional equipment:
optional column for arm of light with LED light, monitor arm, monitor, tray tables, instrument hose disinfection
function, clean water from bottle for unit or instruments (independent from public supply)

Chair
SKI-01: 4 programming positions
Control of the chair in 2 ways - using of the dentist's table or multifunctional foot controllers
The unit is specially designed for ergonomic work in 12th position with lying patient.



REASONABLE



more info
and details about
the product

Chirana SMILE MINI 04

Dentist's table for 4 or 5 instruments

on a pantographic arm, lower or continental delivery system of hoses
(with hanging hoses or with whip's arms)

Control panel:

multifunctional foil keyboard

Standard functions:

power setting/speed setting, setting of direction for instrument rotation, chair control

Safety functions:

STOP function - immediate stop of the chair, blocking of the simultaneous activation of the instruments, blocking the movements of the chair when the instruments are working, low-voltage power supply in whole unit and in the chair

Useful functions:

function GIROMATIC, optional assistant arm fixed under rotary bowl allows very good manipulation and easy access of assistant to the chair and patient, LED ready electronics

Assistant's table

For 2 instrument hoses: saliva-ejector hose, suction unit hose

Spittoon block

rotary ceramic bowl, programming of cup filling time and bowl rinsing time
Wet suction systems: DURR, CATTANI, Chirana ejector systems

Foot control

A simple foot-switch for activation of instruments, multifunctional foot control with a complete regulation of both the unit and chair

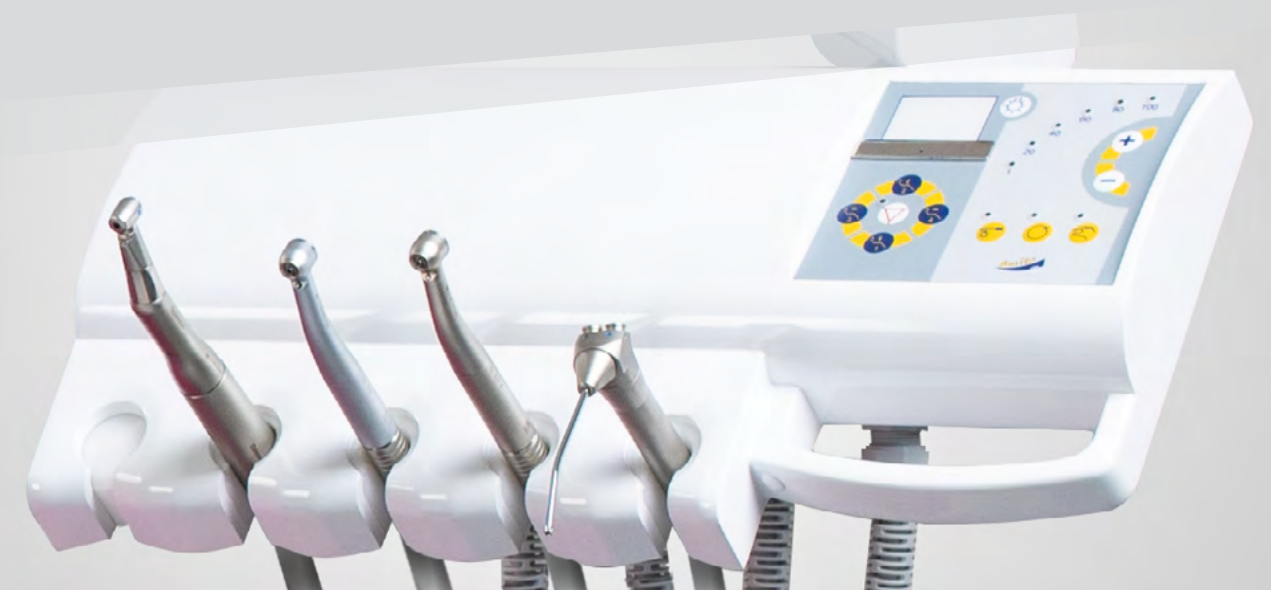
Additional equipment:

tray tables, clean water system from bottle for unit or instruments (independent from public supply)

Chair

SK1-01: 4 programming positions

Control of the chair in 3 ways - using the dentist's table, assistant's table or multifunctional foot controllers





Foot control

The most ergonomic way of unit control is using CHIRANA multifunctional controllers with complete control of the unit and chair, optional wireless version (in acc. with Directive 2014/53/EU) has except wireless compatibility also long operating capability (foot controller's built-in battery is working 3-6 months without recharging). The booth of side buttons are pre-programmed for control of light and cup-filling.

Dentist table

Chirana has available dentist's tables for 4 instruments as the basic and for 5 instruments as the most popular solution or for 6 instruments as the most sophisticated solution with optical sensors and adjustable holders with silicone beds.

The dentist's tables are available in version on the pantographic arm, or as a cart system, with lower or continental delivery system of hoses



Flexi Arms

The continental delivery system of hoses with the whip's arms is very popular thanks Chirana unique flexi system which allows very easy and lightweight handling with instruments hose. This system of hoses is also very friendly to patient because hoses are not touching the patient at all.



Spittoon block

The Chirana spittoon blocks with easy service and maintenance access are equipped with removable and sterilisable rotary ceramic bowl and allows the programming of cup filling time and bowl rinsing time in-built wet and dry suction systems: DURR, CATTANI, Chirana ejector systems.



Replacable Filters

All used filters have good position with easy access. Chirana units are designed considering high demanding hygienic requirements for treatment unit.



CHAIRS



SK1-08

4x 4 working positions programmable

Load capacity up to 200kg

Safety switchers as standard equipment

Trendelenburg position optional

Very comfortable wide chair with very soft upholstery, ideal for longer time serious treatment.

SK1-01

4 working positions programmable

Load capacity up to 200kg

Safety switchers as standard equipment

Optional available extra-soft upholstery and upholstery of hand rests for more demanding customers as well.

Slim and practical design saves significantly the space of the dental office.

All connections (air, water, drain, power supply) for dental units are located under the chair and they are fully covered what make dental office absolutely clean (without any boxes, hoses, cables lying on the floor)





COLORS

STOOLS



Smile5

Smile3

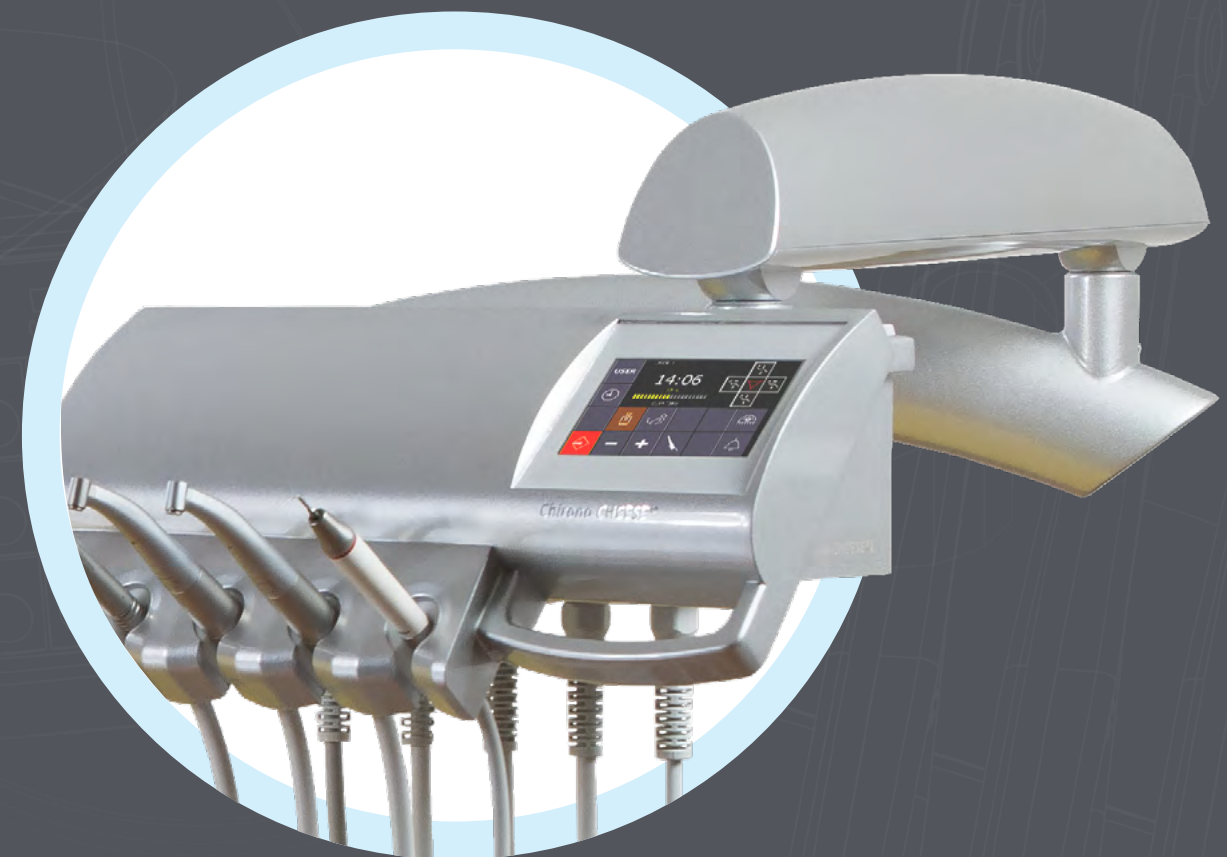


Dentist stools Smile 3 and Smile 5 with armrest are made using same high quality upholstery as Chirana chair available in two versions: D50 and K5 with different seat height positions

Type	D50	K5
lowest position	470 mm	520 mm
highest position	600 mm	720 mm

INTUITIVE CONTROL

CHIRANA CHEESE dental units allow the dentist intuitive control through modern touch screen with very friendly user interface:



power, torsion, gear ratio and speed setting
illuminating of instrument setting
spray setting
setting of instruments blowing
programming of cup filling and bowl rinsing time and users (1-4) programming
dental light control
chair control
control of disinfection cycle
setting the amount of water and air for instrument
ENDO functions
indication of treatment necessity
apex locator management
and other...



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