

Ritter Contact World
Leading the way in
functionality and design



Ritter Contact World Your work unit



Your Contact World is a dental treatment unit that offers you complete flexibility when performing demanding dental treatments. It is carefully designed down to the smallest detail and is a true design classic.



Quality – Made in Germany

Anyone who works with a Ritter Contact World is well equipped for the challenges of everyday practice. The solid and well thought-out craftsmanship is based on our many years of experience. Ritter dental units are reliable, robust and durable. We use only the highest quality materials.

The Contact World is largely made of metal and painted throughout. Installation, service and maintenance are extremely simple thanks to easy access and clearly arranged components.

A treatment unit based on more than 130 years of experience, continuous product development and constant improvements.

Best of

Seating comfort in a league of excellence

The Ritter Contact World meets all requirements for optimized patient positioning during a treatment situation.

- Simultaneous movement (Trendelenburg) for control of backrest and seat
- Optimal, safe and comfortable positioning, even in demanding treatment situation
- Compact, space-saving design
- Seamless surfaces and upholstery for easy disinfection
- Flexible control via foot pedal and function display
- Chair height 35–85 cm
- Optional: right armrest movable

Highest seating comfort: Optional with special ViscoSoft cushion which shapes and adapts flexibly to the body.

Ritter Contact World

Functional all around

The Ritter dental unit is a high quality workstation where the working and reaching distances fit 100%. It offers maximum freedom for a natural, intuitive posture.

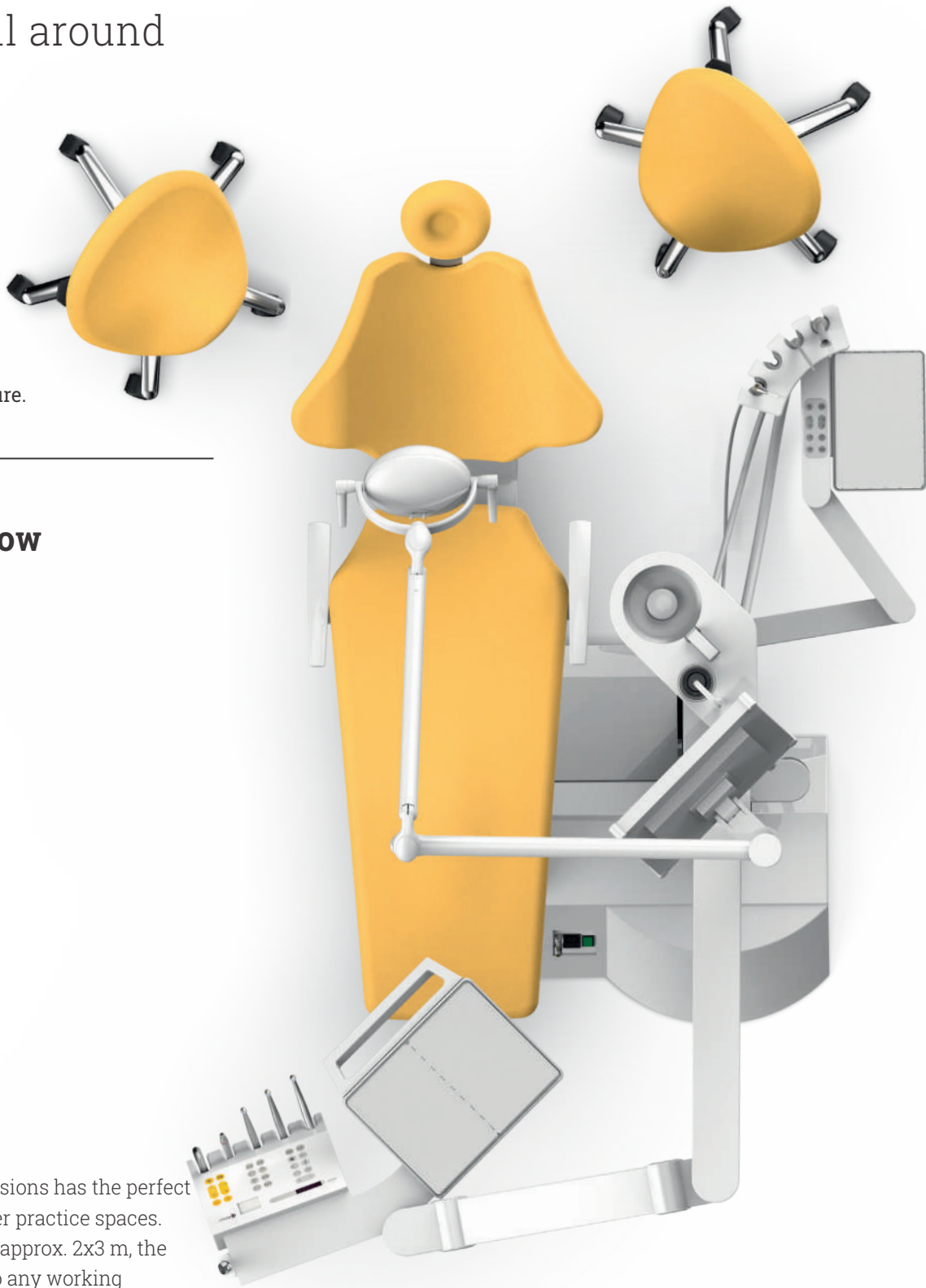
Efficient Workflow



Dimensions

The Contact World in all versions has the perfect dimensions, even for smaller practice spaces. With an operating radius of approx. 2x3 m, the slim unit adapts perfectly to any working environment. The Operating lights are mounted on the unit or alternatively available as a ceiling version.

Note: A total of 2 connection points (1 standard/1 alternative) provide additional flexibility to fit the unit in any treatment room.



Ritter Contact World

- Innovative instrument control with graphic display, numerous user settings settings and memory functions for perfect handling
- Easy, intuitive programming of chair positions, presets such as speed preselection and max. speeds of motors, turbines and ZEG
- Create up to 4 individual user levels e.g. for 4 different operators
- Sophisticated 4-pedal foot control with control of all main functions for quick and easy operation
- Hygienic and very easy to clean, smooth surfaces save time and effort
- Large knee and leg room for the operators allow ergonomic and fatigue-free operation

Professional elegance

The design concept and quality of Contact World are consistently geared to the highest demands of everyday practice.

With clarity and elegance, a perfect blend of utility, function and aesthetics has been created, making Ritter Contact World one of the most beautiful dental units on the market worldwide.

Ritter Contact World Dentist element versions

Contact World swing arm

A modern and timeless design language, smooth and easy to clean surfaces characterize the swing arm. The smooth-running, gas-pressure spring-supported swing arm is activated by movement. When the handle is released, the brake is activated and prevents unintentional movement of the dentist element.

All Ritter treatment units of the Contact series are available in the different versions S, H, C, HC to provide optimal support for every user in his working method.

Excellent handling



HC version Hanging hoses with cart head

The cartridge tray of the HC version with hanging tubes is more conventionally designed than that of the H version, with the tray directly above the instruments. The cart head can hold up to six instruments in any order, in any order, which are controlled by the foot pedal when in use.

H version Hanging hoses

In the H version, the dentist element on the floating arm is equipped with hanging tubes and a large tray support. The dentist element can be moved very close to the patient and enables optimum handling with a small working circle of the five instruments.

S version Swinging hoses

Each instrument can be easily and ergonomically removed and returned without effort. The proven swing-arm system minimizes contamination, as the tubes have no contact with the floor and thus slide cleanly into their resting positions.

Cart Version Standalone

The flexibility of the mobile cart standalone is undisputed: It can be moved freely around the entire treatment center and guarantees optimal freedom of movement, especially in narrow spaces.

The Cart Version can be perfectly combined with a large (unit-mounted) tray support. The cart is compatible with the most common treatment units and is independent of the patient chair manufacturer.



Ritter Contact World Control

Intraoral camera Precise images with Easy Touch

The optical system of the SOPRO 617 camera is equipped with an aspherical lens that minimizes distortion and produces geometrically correct images. Thanks to the large angle of view, even hard-to-reach regions of the mouth are perfectly displayed.

With the touch-sensitive button, you create snapshots without having to move the handpiece. This means you can always rely on sharp images.

Maximum Vision

- Bright, clear image in all conditions
- Plug & Play technology – install and work
- Integration via USB2 port
- AutoFocus function with maximum depth of field (5 mm to infinity)
- Max. Angle of view of 105° due to the curved shape and round headpiece
- Uniform illumination of the oral cavity, thanks to light and powerful LEDs (shadows and reflections kept to a minimum)
- Exceptionally high image quality, thanks to a lens that minimizes distortion
- Various integration options (table, wall version and on the dental unit)
- Illuminance: 2 lux (8 LEDs)

Contact World Function display

The clear and concise multifunction display allows easy chair and instrument control. The alphanumeric display shows the status of each instrument.

Speed, torque of turbines and motors, treatment positions of the patient chair as well as presets of up to four different operators can be freely programmed.

The Ritter control elements are highly resilient. The operating time and cost efficiency are enormous due to their simplicity.

Foot control

- Easy and comfortable operation
- Stable stand
- Transmission-safe operation due to the wired connection
- Individual control of the functions
- Perfect weight balance when shifting with the tip of the foot
- Material: metal and plastic

User-friendly and intuitive navigation

Simple and versatile

No multiple key assignment: the Ritter control system provides a separate key for each function. The result is very simple, intuitive control and operation of the functions. This direct and easy handling is particularly noticeable during demanding OP's and treatments.



Ritter Contact World Assistant element

Optimize your workflow.

Whether standing, sitting, at 12 o'clock – the freely position-able assistant element is there for you in every situation.

Perfect interaction

Two-part arm system

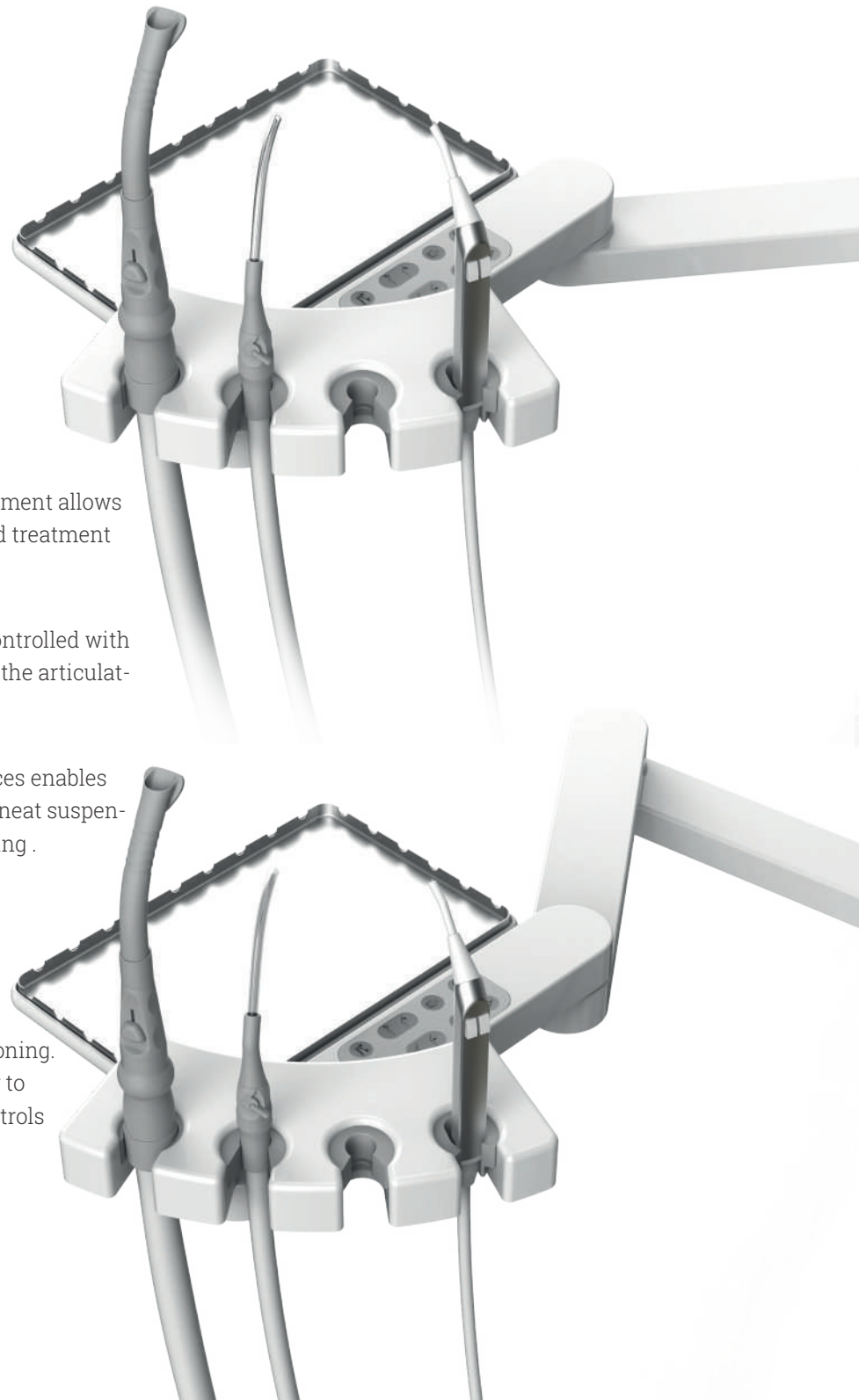
The 2-part instrument arm of the assistant element allows flexible positioning in any patient position and treatment situation.

All main functions of the dental unit can be controlled with the touch panel integrated with the surface of the articulated arm.

The ergonomic design of the suction handpieces enables fatigue-free treatment. The sophisticated and neat suspension effectively prevents the hoses from twisting.

Three-part arm system

Even more space-saving and flexible in positioning. Freely swiveling 3-joints bring more flexibility to the treatment. The slim assistant element controls Patient chair, operating light, suction, spray aspirator, cuspidor and cup filling..

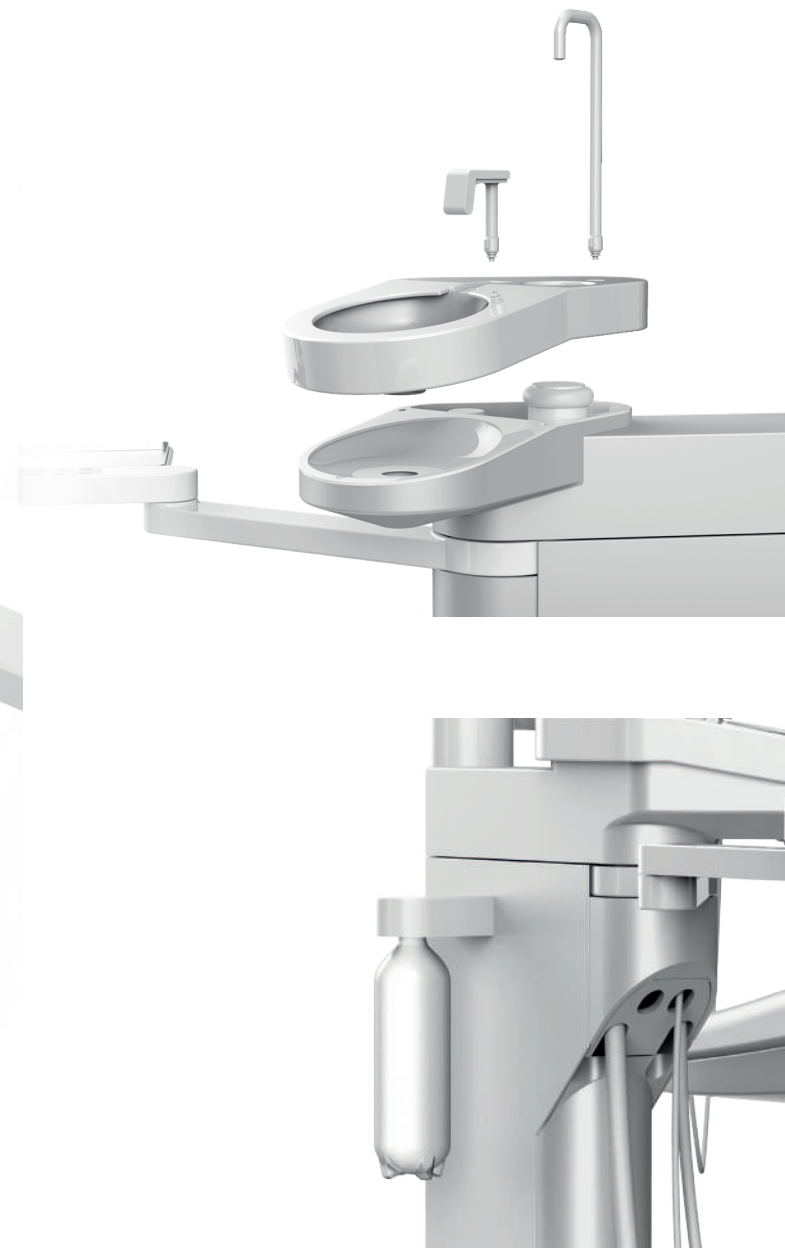


Safety first

The Ritter Contact World was designed for fast and effective cleaning. All critical areas and components are easy to reach and disinfect.

The surfaces are smooth, without corners and edges and often removed with a flick of the wrist.

Hygiene made easy



Instrument cleaning support

The rinsing hood enables disinfection in a hygienic and simple way. The hood is placed on the cuspidor. Internal components are easily accessible.

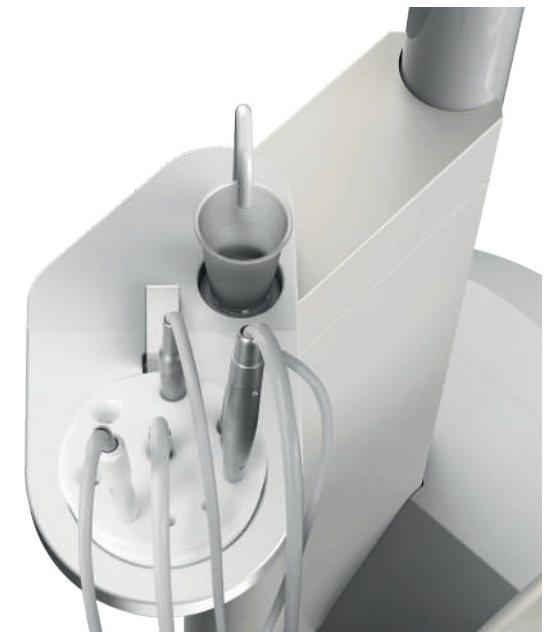
Detachable and thermidisinfectable cuspidor

The ceramic cuspidor bowl is removable, so contaminated components can be quickly removed and disinfected.

In addition, the Contact World cuspidor is optionally available in a swiveling version.

Water bottle system

The bottle solution completely disinfects all internal water paths to the patient. The METASYS WEK internal disinfection system is available as an additional option.



Ritter Contact World From experts to experts

You want to treat in an ergonomically healthy posture?
Then the Contact World is the right dental unit for you.

A smart investment in your own health



Trust is purely in the mind.

- Flexible articulated headrest
- Quick and easy positioning with the left hand
- Comfortable positioning of the patient's head
- Optional double-jointed headrest, round headrest and child head wedge

Simply one-handed

Our headrests are completely easy to operate. With a single hand movement, extension and inclination are adjusted simultaneously.

During treatment, the headrest position can be re-adjusted with one hand without having to put down an instrument.



Stay relaxed

The headrest remains in the preset position when the height and tilt of the patient table are adjusted. The patient's head position does not need to be readjusted. The patient remains relaxed.

This allows the position to be changed more frequently without subjecting the spine to a critical continuous load that can cause muscle tension and fatigue.

Ritter Contact World Competence in terms of sitting, standing, lying down

The anatomically shaped seat surface, adjustable in inclination, enables back-friendly sitting and lying. The dental unit is designed to accommodate all sizes of patients.

The patient does not have to slide during the transition to the lying position and therefore does not interfere with the treatment process.

Ritter Accesories

Focus on quality



A long workday is comfortably mastered with good equipment. Accurate illumination of your patient is an essential requirement for this.

Optimized workspace

Eva LED with switch / sensor

Eva provides perfect light that creates an ideal balance between color and depth when seeing. It allows you to distinguish the smallest details in tissue, marginal areas and surfaces in an elliptical circle of light specifically designed for the oral cavity. The lamp head can be rotated 360° and the handles are removable and sterilizable.



Optional EVA with camera available

- Illuminance: 50.000 Lux
- Color temperatures: 5.700, 5.000, 4.000 or 2.700 Kelvin
- CRI >95, for improved color and light perception
- The light field is 19x10 cm at 70 cm distance
- Optional protective cover with patient mirror
- Control lamp – visual feedback of illumination strength and color temperature



Ideal for high concentration and 3d perception for tooth shades detection, prosthetics and conservative.



Ideal for orthodontics, conservative and pediatric dentistry



Ideal for surgery



Composave to avoid curing

Maia LED with sensor

The optimised Maia convinces with a large field of light and an even, shadow-free illumination of the working area. The high light intensity of up to 45.000 Lux at a colour temperature of 5.000 Kelvin produces a natural light without colour distortions. The two handles can be removed, disinfected and autoclaved.

- Illuminance: 3.000-45.000 Lux
- Constant color temperature of 5.000 Kelvin
- Shadow-free illumination
- Removable, sterilizable handles
- Constant color intensity

Leadex70 – small X-ray unit Directly on the treatment unit.

Microprocessor-controlled, pre-programmed or individually programmable exposure times. One touch of a button is all it takes to switch from conventional (X-ray film-based) to digital image acquisition using sensor technology. The unit is compatible with virtually all digital imaging systems.

- Easy to integrate
- Mounting on the unit, on the wall and on the ceiling possible
- For all requirements of intraoral dental radiology
- Flexible, fast and safe solution to produce an excellent small X-ray image directly at the treatment unit
- Compatible with standard films and digital X-ray sensors
- Sharp and high contrast images

Ritter Stools

Flexible around the clock

The Ritter work chairs support you optimally in every working posture. They adapt flexibly to your posture – whether through the comfortable seat cushion, the free tilt adjustment or the stepless height adjustment.

Good posture provides security

MobiloRest 156

- High quality synthetic leather
- For the highest ergonomic requirements
- Intelligent and easy height adjustment by soft foot touch
- High quality dual castors
- Asymmetrical backrest with additional armrest function
- Very high grade metal components
- Optional left-handed 156L

MobiloRest 158

- High quality synthetic leather
- For the highest ergonomic requirements
- Intelligent and easy height adjustment by soft foot touch
- High quality dual castors
- Symmetrical backrest
- Very high grade metal components
- Optional left-handed 158L

Technical data

- Chair surface material: Foam (PP-E), synthetic leather (PE), base plate (Plywood).
- Highest seat cushion: 490 mm
- Lowest seat cushion: 700 mm
- Maximum load: 135 Kg



Ritter Stools

Flexible around the clock

An ergonomic and comfortable posture is a basic requirement in everyday practice. Due to the high comfort of the GiraFlex-series the work stool can be individually adapted to your personal treatment style.

Good posture provides security

GiraFlex D & D-Plus

- Longitudinal axis of the saddle seat can be tilted by 5°
- High quality synthetic leather upholstery
- Soft construction of the substructure
- Made in Germany
- Long service life
- „PLUS“: Infinitely height-adjustable backrest

GiraFlex A & A-Plus

- Round seat cushion with even weight distribution
- High-quality synthetic leather upholstery
- Seat core made of PUR foam
- Made in Germany
- Long service life
- „PLUS“: Infinitely height-adjustable backrest

Technical data

GiraFlex D & D-Plus

- Height min. and max.: 550–720 mm, 550–740 mm
- Angle of the backrest: 0–24°
- Tilt of the plate: 2–14°
- Maximum load: 130 kg

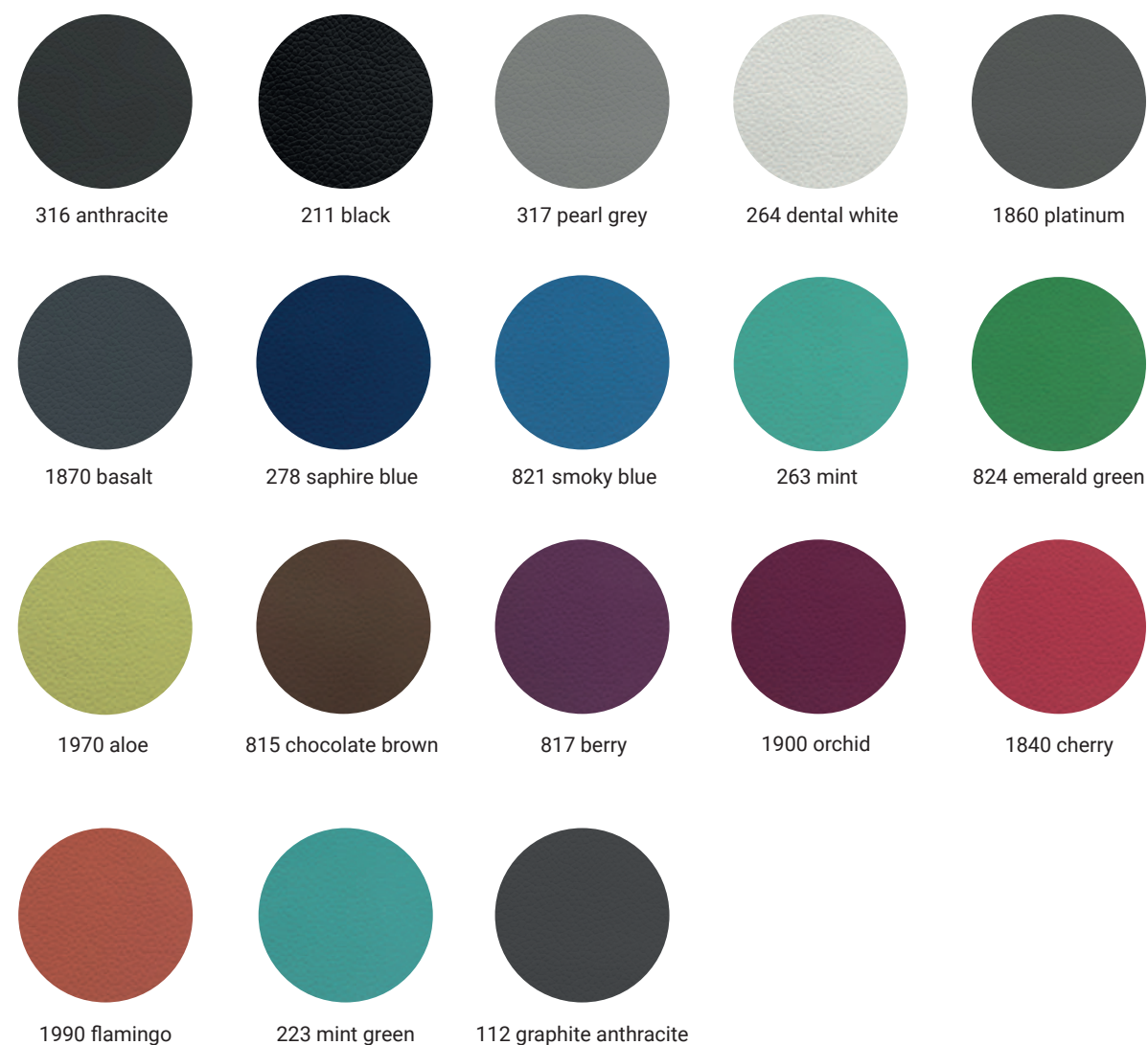
GiraFlex A & A-Plus

- Height min. and max.: 530–720 mm
- Maximum load: 120 kg



Ritter Contact World

Everyone has their favourite colour



Upholstery colours

A variety of upholstery colors give your practice an individual touch. The upholstery fabrics come standard with the breathable Ritter comfort fabric.

The silky-soft feel and matte look convey a sense of cleanliness and freshness – without a „sticky feeling“.

Special painting

Special painting of the entire unit as well as partial painting of water unit or cart are available in all RAL colors and metallic color

Standard paint color is RAL 9003/signal white



Ritter Contact World

Features and options

● Standard
○ Option

Patient chair

Trendelenburg movement
Positions memory
Safety switch
Single-joint headrest with long head cushion
Double-jointed headrest
Fixed left armrest
Folding forward right armrest
Seamless upholstery
ViscoSoft upholstery set similar to Tempur®
Foot control pedal for chair- and instruments
Pilot foot control (joystick)

Dentist element

3-function syringe Luzzani Minilight
3-function syringe TopFlex
6-function syringe TopJet
6-function syringe Luzzani Minilight
1. Turbine device with light
1. Micromotor SLM-E type 810 LED
2. Micromotor SLM-E type 810 LED
ACTEON ZEG SP NEWTRON
EMS ZEG PIEZON NO PAIN LED
Scaler Ritter S or E LED
Graphic display
4 user levels
Spray water heating for drilling instruments
Small X-ray film monitor
Instrument heating
Small x-ray film viewer
Silicone pad without trays*1
Double tray rack for 2 trays (rotatable)*2
Double tray rack for 2 trays (rotatable), 10 cm deep*2
Additional single tray holder on the upright*3
Additional single tray holder on the dentist element*4

*1 for H-, HC- & C-version
*2 for S-version without stainless steel tray
*3 for H-, S- & HC-version without stainless steel tray
*4 for H-version without stainless steel tray
*5 without stainless steel tray

Assistant element

3-function syringe Luzzani Minilight
3-function syringe TopFlex
6-function syringe TopJet
6-function syringe Luzzani Minilight
Small and large suction hoses
Pneumatic selective depositing system
2-piece assistant arm with control panel
3-piece assistant arm with control panel
Additional single tray holder on the assistant element*5

Water unit

Detachable and thermoisinfectable cuspidor
Swiveling cuspidor
Instrument cleaning cap
Cuspidor valve (MSBV)
CAS 1 Combi-Separator Dürr
CS 1 Combi-Sepamatic Dürr
MST 1 amalgam separator
WEK (DVGW line/sterilization)
Aqua-Bottle-System (ABS)
Water heating for rinsing glass filling
External device connection

Small x-ray equipment

Leadex70 DC

Operating light

Eva LED with switch / sensor
Eva LED with camera
Maia LED with sensor

Stools

Mobilorest D156/156L/D158
Gira-Flex A, A-PLUS
Gira-Flex D, D-PLUS
Foot ring for GIRA-FLEX A, A-Plus

Multimedia

Intraoral camera SOPRO 617
Monitor TFT 22" Neovo



Ritter worldwide – Technicians and spare parts service!

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