

# Ritter R400

Simply of course

**Ritter®**  
[ THE DENTAL EXPERTS ]



 Ritter  
Made in Germany

## Ritter R400

So that you have everything  
what you really need

Simple, practical, reliable – these three characteristics  
briefly describe the R400. Nevertheless, the dental treatment  
unit is so versatile that it fully meets your requirements in  
everyday practice.

### Maximum space

The Ritter R400 is the perfect  
symbiosis of economy and  
aesthetics. It improves your workflow  
with simple and clever solutions.

The R400 is optimal in prophylaxis, but also ideal for any  
other application in your modern practice.

In terms of design, the compact Ritter R400 impresses with  
customizable glass elements that can be freely designed  
according to your wishes.



### Our quality commitment

The surface parts of the Ritter R400 are made of pure metal  
and polyester with high-quality gelcoat coating. The use of  
normal plastic parts has been completely eliminated. Clear  
advantages are the extraordinary stability and the long-term  
consistent appearance. The parts are handmade for the  
highest quality.

## Ritter R400

### Treat in top location

The Ritter R400 patient table meets all requirements for optimal patient positioning in any treatment situation. The comfortable features help the patient to relax and feel at ease – the R400 automatically facilitates treatment.

## Pole Position



### The best ergonomically speaking

- Efficient simultaneous movement (Trendelenburg) for control of backrest and seat
- Optimal, safe and comfortable positioning, even in demanding treatment situation
- Powerful, smooth-running drive motors for seat and backrest
- Flexible control via radio foot control
- 3 automatic chair positions
- Safety switch
- Optional: right armrest moveable

### Set accents and provide comfort

- Vegan upholstery cover
- Comfort upholstery
- Seamless surfaces
- Practical easy to clean and maintain
- The silky-soft feel and matte look convey a sense of cleanliness and freshness – without a „sticky feeling“



### Workflow

#### Highly functional all around

- Small required space
- Small radius of action
- The working and reaching distances fit 100%.
- Maximum freedom for a natural, intuitive posture – an investment in your health

### Double-jointed headrest

#### Relaxed patients, relaxed work

- Headrest with double joint
- Quick and easy positioning
- Comfortable positioning of the patient's head
- Optimal position for children and elderly patients



### Cuspidor

#### Always ready for use

- Removable & thermodesinfectable
- Spittoon and water unit are chair-mounted
- Synchronized movement with couch – the cuspidor is always in the right position



### Optical foot control

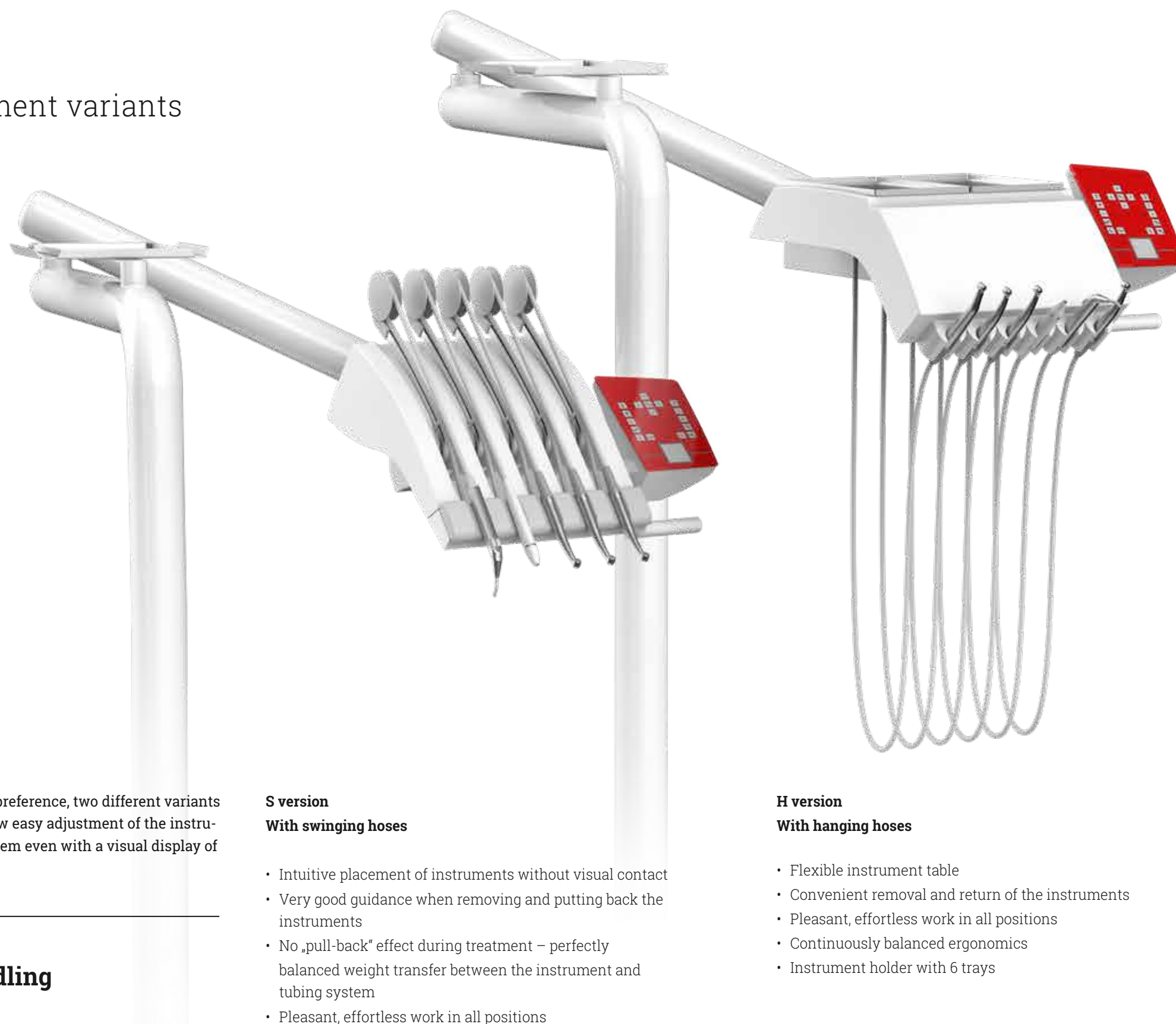
#### Portable and time saving

- The foot remains relaxed on the ground thanks to the photocell
- Stepless speed regulation of the instruments
- Easy triggering of all chair and instrument functions



## Ritter R400

### Dentist element variants



Depending on personal preference, two different variants are available, which allow easy adjustment of the instrument actions, some of them even with a visual display of the power potential.

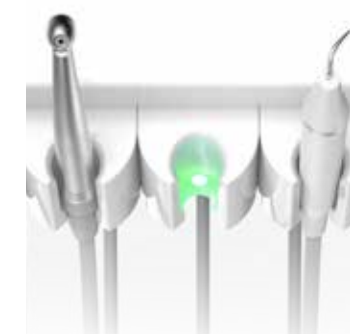
### Excellent handling

#### **S version** **With swinging hoses**

- Intuitive placement of instruments without visual contact
- Very good guidance when removing and putting back the instruments
- No „pull-back“ effect during treatment – perfectly balanced weight transfer between the instrument and tubing system
- Pleasant, effortless work in all positions
- Easy navigation with pneumatic arm brake
- Instrument holder with 5 trays

#### **H version** **With hanging hoses**

- Flexible instrument table
- Convenient removal and return of the instruments
- Pleasant, effortless work in all positions
- Continuously balanced ergonomics
- Instrument holder with 6 trays



#### **Sensor technology** **Activation of the instruments via sensor technology**

- No ingress of dirt & liquid – therefore no damage to electronics and other components
- Easy to clean and disinfect
- High-quality, non-wearing special plastic material
- No deformation/material fatigue due to disinfectant



#### **Motor technology** **New generation brushless micromotor**

- Precise – durable – wear-free – sterilizable
- New versatility:  
Wide speed range from 100–40,000 rpm
- Very good weight distribution:  
Best balance of instrument and motor

## Ritter R400

Speed and flexibility –  
the Ritter 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.

### A perfect interaction

#### Assistant element

##### A full workspace

- Two-handed work possible, without turning away from the patient
- Extendable and horizontally swiveling
- Quick instrument change without changing the position of the operator
- Important functions displayed on control panel
- Operation of cuspidor and patient chair
- Basic equipment: small and large suction hoses



Safety for you  
and your patient



All critical areas and components are easy to reach and  
disinfect. The surfaces are designed to be smooth. Many  
components can be removed with just one movement.

### Cleanly solved

#### Water unit

##### Safe hygiene, easy maintenance

- Chair-mounted and swiveling water unit with cuspidor
- Water bottle system or Metasys WEK (optional)
- Integrable amalgam separation
- Simple solutions – optimal efficiency & procedures
- Top cover made of glass
- Easy to clean and disinfect
- Critical components that are quickly contaminated by experience can be easily removed and disinfected.

## Ritter R400

### Quality in focus

A long working day is mastered comfortably with good equipment. Ergonomic seating and precise illumination of your patient are the essential prerequisites for this.

### Ergonomically correct

#### GIRA-FLEX stool

- High quality upholstery, 100% vegan
- Synthetic leather
- Made in Germany
- Very ergonomic
- Long lifespan
- „PLUS“: Continuously height adjustable backrest



#### Ritter CoolLite LED with sensor

##### Optimum illumination that counts

- Light intensity: 3.000 to 35.000 Lux
- Constant color temperature of 5.000 Kelvin
- Shadow-reducing effect
- Removeable, sterilizable handles
- Realistic color match



#### For operators: GIRA-FLEX D & D-PLUS

- Longitudinal axis saddle seat is 5° tiltable/tilting
- Soft substructure

##### Technical Data

Height min. and max.: 550–720 mm | 550–740 mm  
Backrest angle: 0–24°  
Sheet angle: 2–14°  
Maximum load: 130 Kg

#### For assistants: GIRA-FLEX A & A-PLUS

- Even weight distribution
- Seating core of PUR-foam element
- Optional with footring

##### Technical Data

Height min. and max.: 530–720 mm  
Backrest angle: –  
Sheet angle: –  
Maximum load: 120 Kg





## Ritter R400

### Your personal design

Set accents and turn a practice into your very own personal practice. Show your style with the R400 individualization options, structure your treatment rooms and put the icing on the cake in the interior design.

Ask your dental consultant about Ritter decors and production specifications for your own motif or practice logo.

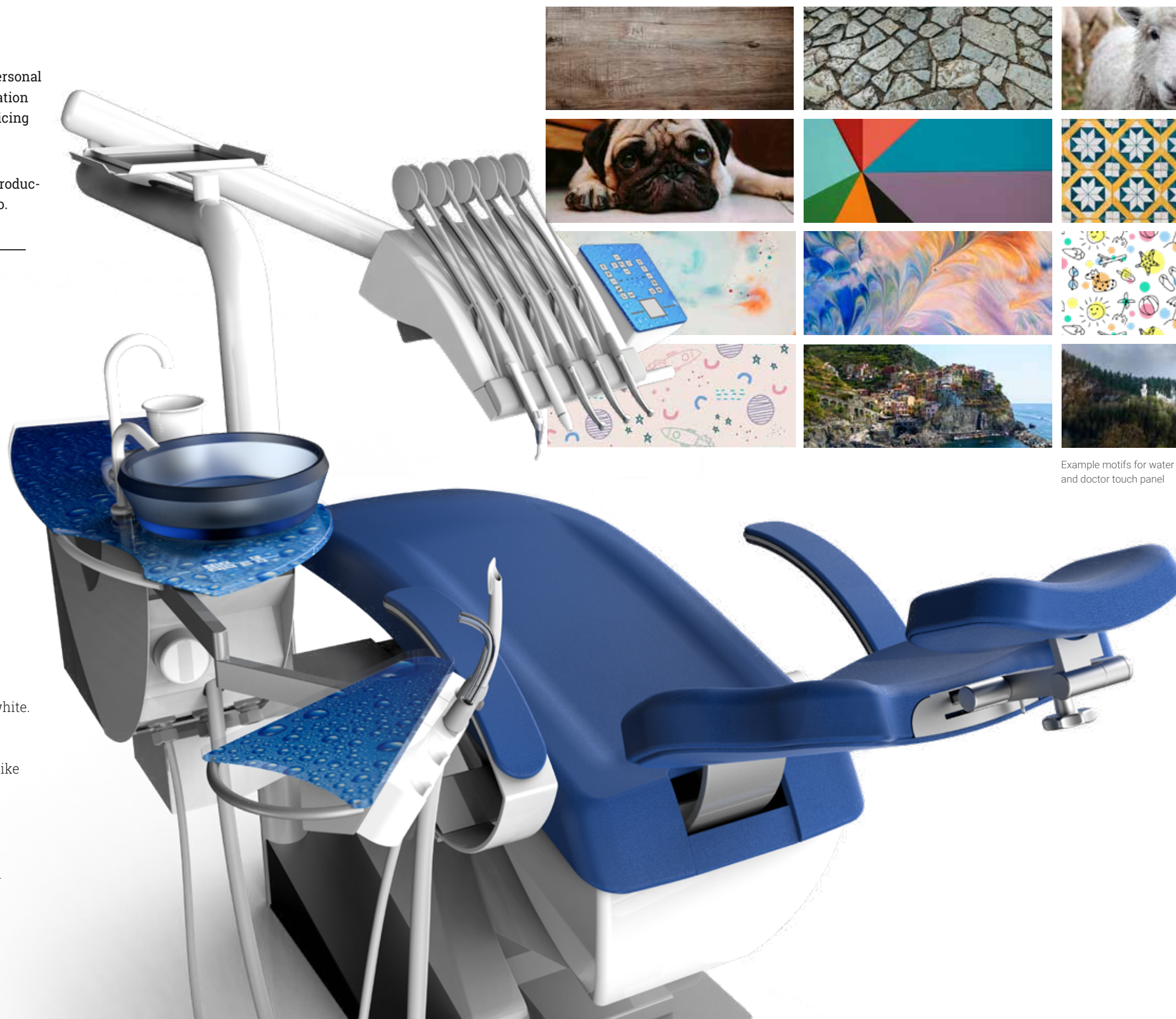
### Your R400 Dental Unit

The basic paint of the whole unit is RAL 9003 signal white. Now your wishes and ideas are added.

You have the possibility to choose all glass elements like

- cuspidor
- glass plate of the water unit
- control panel of the dentist element and
- glass plate of the assistant element

with standard glass colors or optionally with personal decors. Combinations are also possible.





Example motifs for water unit, assistant's and doctor touch panel

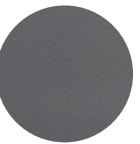
Ritter R400


Individuality through diversity


Upholstery colors


  
316 anthracite


  
270 black


  
1720 carbon


  
264 dental white


  
CS3 kiwi


  
1870 basalt


  
478 salmon orange


  
1840 cherry


  
817 berry


  
279 bordeaux


  
1900 orchid


  
815 chocolate


  
283 pastel blue


  
1890 saphire

  
278 saphire blue

  
ED1 anthracite  
with dots

  
ED2 black  
with dots

  
ED3 green  
with dots

  
100%  
VEGAN

Upholstery colors

A variety of upholstery colors give your practice an individual touch. The vegan 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“.

Depictions may differ in color and texture from actual upholstery.

Glass colors

All glass elements such as the cuspidor bowl, the glass plate of the water unit and the control panel of the dentist element can be ordered with the standard glass colors. Different color combinations can also be selected.

Attention: when selecting colored spittoon bowls, minor material irregularities in the glass may occur due to production reasons!

Ritter R400

Features and options

●

Standard

○

Option

Patient chair

- Trendelenburg movement
- Storage of positions
- Safety switch
- double-jointed headrest
- Left armrest fix
- Right armrest moveable
- Seamless upholstery
- Optical wireless foot controller
- Optical USB foot controller
- External device connection

Dentist element

- 3F syringe
- 3F syringe Luzzani
- 6F syringe Luzzani
- 1<sup>st</sup> F.O. outlet with light
- 2<sup>nd</sup> F.O. outlet with light
- 1<sup>st</sup> motor brushless LED
- 2<sup>nd</sup> motor brushless LED
- 1<sup>st</sup> motor SLM-E Type 810 Ritter brushless LED
- 2<sup>nd</sup> motor SLM-E Type 810 Ritter brushless LED
- Ritter S or E LED
- Curing light LED
- Control panel made of glass
- Small x-ray film viewer
- Tray support for 1 tray\*
- Tray support for 2 trays (moveable)\*
- 1 tray stainless steel
- 2 trays stainless steel

\* Only S version

Assistant element

- Operating panel
- Extendable assistant element
- 3F syringe
- 3F syringe Luzzani
- 6F syringe Luzzani
- Curing light LED
- Small suction hose
- Large suction hose

Water unit

- Prepared for external wet suction
- Glass cuspidor
- Cup and instrument heating
- Spittoon valve Dürr
- METASYS COMPACT Dynamic
- CAS 1 Combi-Separator Dürr
- CS 1 Combi-Sepamatic Dürr
- Water bottle system
- METASYS WEK System

Operating light

- Ritter CoolLite LED with sensor
- Ritter SunLite LED with sensor

Stools

- GIRA-FLEX A, A-PLUS (with backrest)
- GIRA-FLEX D, D-PLUS (with backrest)
- Footring for GIRA-FLEX A version

Multimedia

- Preparation for monitor TFT Vesa
- Set monitor and camera





## **Ritter worldwide –** Technicians and spare parts service!

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