

Dental Catalog - Equipment -





Ritter Dental: More than 137 years in dental experience.



Product Range





In 1887, Frank Ritter produced one of the world's first treatment chairs for the dental profession.

In the 130 years since, Ritter Dental has produced a long line of products that has changed the face of dentistry.

1912 Ritter Dental introduced the "control panel" for the dental instruments, a major advancement and the beginning of modern technology in dentistry.

In 1917 Ritter Dental introduced the integrated treatment system; chair with control panel, drill, cuspidor, saliva ejector, tray table and air/water syringes – all instruments in one unit.

This system delivered for the first time the modern dental system, the core concept which has not changed even today.



First Dental Chair / about 1900



Dental Unit Vanguard



Dental Unit Vanguard Smart

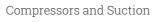






Intraoral Cam







Autoclave



Electric Chair Only

©Ritter Dental™

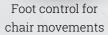
Chair Features

- Electric movement for smooth, quiet positioning
- Ergonomic design for comfortable seating during long treatments
- Broad space for dentist's legs
- High-quality seamless upholstery
- Auto return function:
 Safety switches
 If the safety switch is activated, the chair automatically moves up a few inches.
- Trendelenburg movement:

 Seat and backrest movement synchronized
- · Left and right armrest
- · Double-articulated headrest
- Load capacity of up to 135 Kg









Electric Chair Only



Features and options Vanguard Smart Chair only

OSTANDARD OPTION

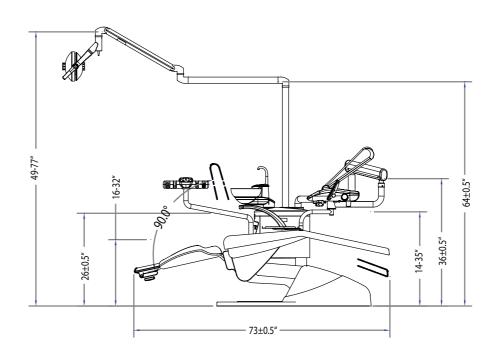
Patient Chair

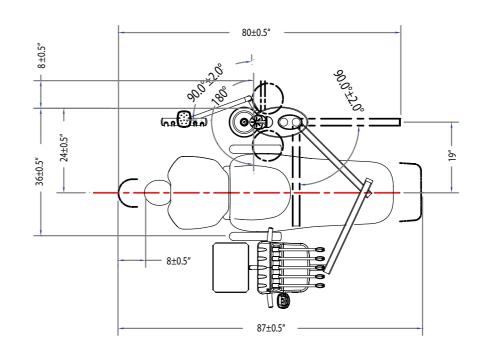
Trendelenburg movement
Safety switch
Double articulating headrest
Left and right armrest
Foot controller
Seamless upholstery
Upgraded upholstery
(Patient Chair and two Stools)

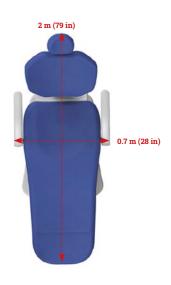
Allow 90 days for delivery of optional equipment.

Optimum use of space

The Vanguard Smart Chair is well suited for smaller operatories where limited space is available.









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Electric or Hydraulic Chair Only

©Ritter Dental™

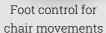
Chair Features

- Electric or Hydraulic chair movement for fast and quiet positioning
- Ergonomic design for comfortable seating during long treatments
- Broad space for dentist's legs
- High-quality seamless upholstery
- Chair swivel 30° left/right
- Programmable chair positions, plus last "position recall"
- Auto return function:
 Safety switches
 If the safety switch is activated, the chair automatically goes up a few inches
- Trendelenburg movement:
 Seat and backrest movement synchronized
- · Left and right armrest
- Double-articulated headrest
- Load capacity of up to 180 kg (hydraulic), 135 Kg (electric)



Vanguard Dental Chair







Electric or Hydraulic Chair Only

Features and options Vanguard Chair only



Patient Chair

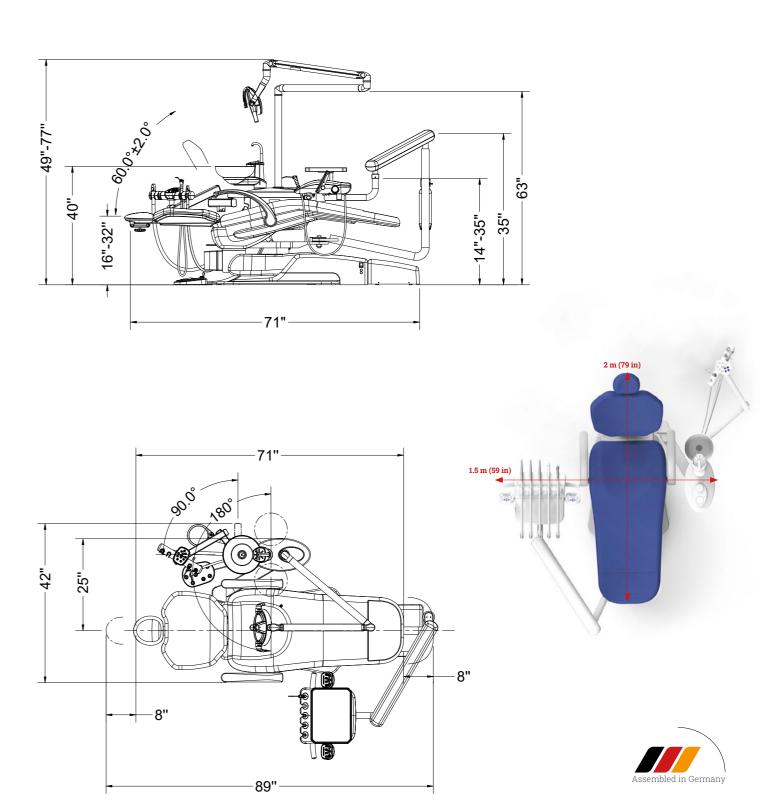
Trendelenburg movement
Programmable positions
Safety switch
Double articulating headrest
Left and right armrest
2 Foot controllers
30° chair movement
Seamless upholstery
Upgraded upholstery
(Patient Chair and two Stools)

Allow 90 days for delivery of optional equipment.



Optimum use of space

The Vanguard without Cuspidor is well suited for smaller operatories where limited space is available.





Electric



Features and options Vanguard Smart

•	O
STANDARD	OPTION

Patient Chair	
Trendelenburg movement	•
Programmable positions	•
Safety switch	•
Double articulating headrest	•
Left and right armrest	•
2 Foot controllers	•
Seamless upholstery	•
Upgraded upholstery	O
(Patient Chair and two Stools)	

Dentist's Delivery System

Dentist's Denvery System	
Traditional (hanging) or Continental (swinging)	lacktriangle
Three-way syringe	lacktriangle
3 outlets for turbine or air motor without light	lacktriangle
Fiber optic outlets 5 or 6 Pin	О
MCX Micro Motor Kit with Optima Display	О
iOptima™ Micro Motor Kit Standard	О
iOptima™ Micro Motor Kit ALL-IN-ONE	О
Acteon Newton Scaler	О
Holder for 2 standard trays	
- Traytable on top	•
- Lower double tray	О

Large suction hose Small suction hose Curing light LED Cuspidor Moveable ceramic cuspidor ABS Aqua Bottle System Venturi Internal System water/air or air/air Connection for external suction Vacuum Drain Kit

Assistant's Package Integrated button panel

Three-way syringe

Moveable assistant's delivery arm

Operating Light EDI LED

Maia Light LED	O
Eva Sunlite LED	O
Eva Sunlite LED with Camera	О
Eva Light Arm	О
Eva Ceiling Mount	O

Stools

Vanguard Doctor Stool	О
Vanguard Assistant Stool	О

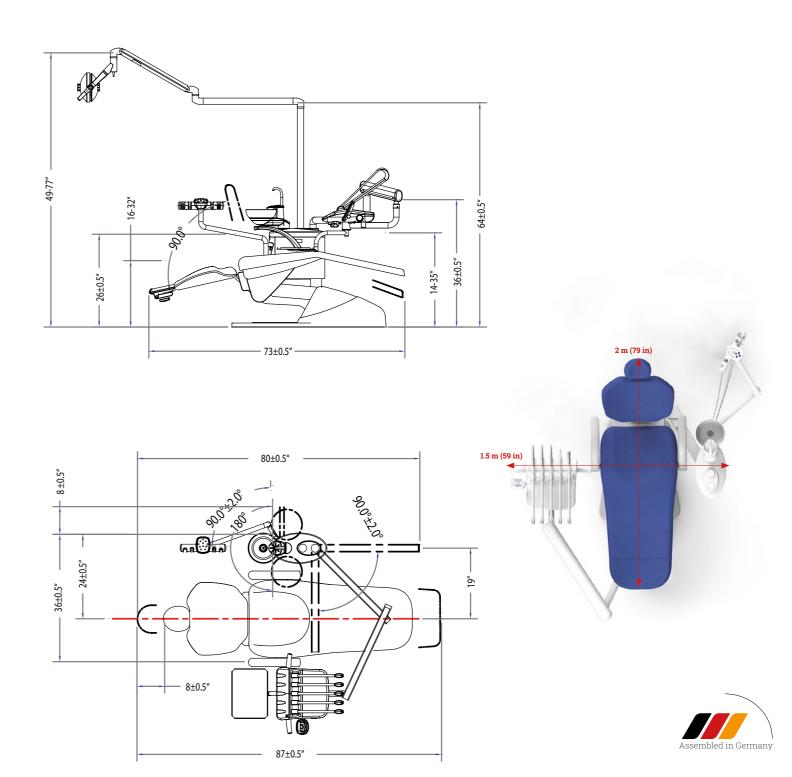
Multi-Media

ntraoral	camera	with	monitor	

Allow 90 days for delivery of optional equipment.

Optimum use of space

The Vanguard Smart is well suited for smaller operatories where limited space is available.





Lower tray (optional)



Electric or Hydraulic without Cuspidor



WITHOUT CUSPIDOR

The New Vanguard Unit

The exciting new Ritter Dental Vanguard dental unit is german-engineered to integrate electronic technology with smooth electric or hydraulic movement. It is Ritter's latest and most advanced unit. The Vanguard is left/right adaptable, with all of the quality and features you have come to expect from Ritter Dental.

Standard Features

- Advanced traditional or continental delivery system
- Self-contained clean water system
- Assistant's instrument package
- Adjustable intensity LED operating light
- left/right conversion
- Patient chair with seamless upholstery
- Load capacity of up to 180 kg (hydraulic), 135 Kg (electric)



Vanguard Dental Unit without Cuspidor

16 (17)

Electric or Hydraulic without Cuspidor



Features and options Vanguard

STANDARD

lacktriangle
•
lacktriangle
lacktriangle
•
•
O

Dentist's Delivery System	
Traditional (hanging) or Continental (swinging)	lacktriangle
Three-way syringe	lacktriangle
3 outlets for turbine or air motor without light	lacktriangle
Fiber optic outlets 5 or 6 Pin	О
MCX Micro Motor Kit with Optima Display	О
iOptima [™] Micro Motor Kit Standard	О
iOptima ^{INT} Micro Motor Kit ALL-IN-ONE	О
Acteon Newton Scaler	О
Scaler S type LED	О
Holder for 2 standard trays	
- Traytable on top	lacktriangle
- Lower double tray	О

Assistant's Package

Integrated Button panel	•
Moveable assistant's delivery arm	•
Three-way syringe	•
Large suction hose	•
Small suction hose	•
Curing light LED	

Operating Light

EDI LED	•
Maia Light LED	0
Eva Sunlite LED	C
Eva Sunlite LED with Camera	C
Eva Light Arm	C
Eva Ceiling Mount	C

Stools

Vanguard Doctor Stool	0
Vanguard Assistant Stool	О

О

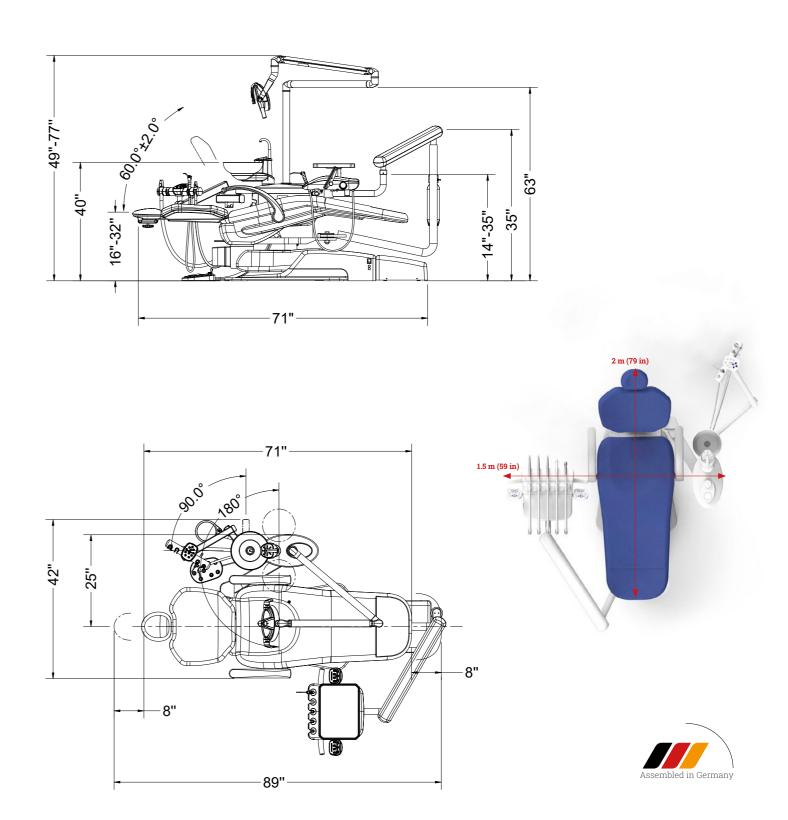
Multi-media

Intraoral	camera	with	monitor	
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Allow 90 days for delivery of optional equipment.

Optimum use of space

The Vanguard without Cuspidor is well suited for smaller operatories where limited space is available.







Electric or Hydraulic



COMPLETE DENTAL UNIT



The New Vanguard Unit

The exciting new Ritter Dental Vanguard dental unit is german-engineered to integrate electronic technology with smooth electric or hydraulic movement. It is Ritter's latest and most advanced unit. The Vanguard is left/right adaptable, with all of the quality and features you have come to expect from Ritter Dental.

Standard Features

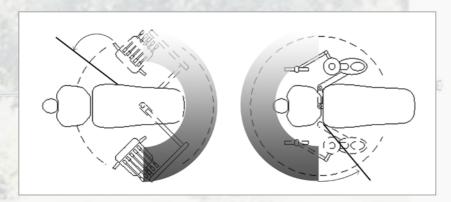
- Advanced traditional or continental delivery system
- Self-contained clean water system
- Assistant's instrument package
- Adjustable intensity LED operating light
- left/right conversion
- Patient chair with seamless upholstery
- Cuspidor with movable spittoon
- Load capacity of up to 180 kg (hydraulic), 135 Kg (electric)

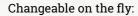
Vanguard Dental Unit with Cuspidor

20 \sim 2

Electric or Hydraulic CHAIR FEATURES







Swivel points and centers of rotation

Picture shown with standard seamless upholstery.

Chair Features

- Electric or Hydraulic chair movement for fast and quiet positioning
- Ergonomic design for comfortable seating during long treatments
- Broad space for dentist's legs
- High-quality seamless upholstery
- Chair swivel 30° left/right
- Programmable chair positions, plus last "position recall"
- Auto return function:
 Safety switches
 If the safety switch is activated, the chair automatically goes up a few inches
- Trendelenburg movement:

 Seat and backrest movement synchronized
- · Left and right armrest
- Double-articulated headrest



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Electric or Hydraulic BASIC EQUIPMENT



Easy handling and efficient treatments: According to the personal preference, two different versions are available, which allow an easy adjustment of the instruments.

- Tray table available
- Pneumatic arm brake mechanism
- Up to 5 instruments
- 2 control panels
- Pneumatic switches in instrument holders
- Optional brushless motors with LED
- Optional fiber optic outlets
- Optional Scaler S type LED

2 Control panels

- 4 programmable patient chair positions, plus last position and exit position
- Removable silicon pad for easy cleaning and disinfection (S-Version)



Traditional Delivery System

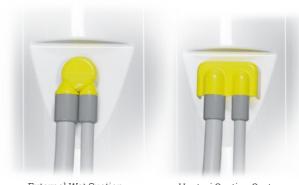
(hanging version)



Continental Delivery System

(swinging version)





External Wet Suction

Venturi Suction System



Double-articulated assistant arm, height adjustable

Assistant's Package

- Integrated button panel
- Up to 4 instruments
- Small an large suction hose
- Air/water syringe
- Double-articulated and adjustable arm movement



Electric or Hydraulic



Features and options Vanguard

STANDARD

Patient Chair	
Trendelenburg movement	ullet
Programmable positions	lacktriangle
Safety switch	lacktriangle
Double articulating headrest	lacktriangle
Left and right armrest	lacktriangle
2 Foot controllers	
30° chair movement	•
Seamless upholstery	ullet
Upgraded upholstery	O
(Patient Chair and two Stools)	

- Lower double tray

Dentist's Delivery System	
Traditional (hanging) or Continental (swinging)	lacktriangle
Three-way syringe	lacktriangle
3 outlets for turbine or air motor without light	•
Fiber optic outlets 5 or 6 Pin	О
MCX Micro Motor Kit with Optima Display	О
iOptima™ Micro Motor Kit Standard	О
iOptima ^{INT} Micro Motor Kit ALL-IN-ONE	О
Acteon Newton Scaler	О
Scaler S type LED	О
Holder for 2 standard trays	
- Traytable on top	•

Assistant's Package

Integrated Button panel	•
Moveable assistant's delivery arm	•
Three-way syringe	•
Large suction hose	•
Small suction hose	•
Curing light LED	О

Cuspidor

Moveable ceramic cuspidor	•
ABS Aqua Bottle System	•
Venturi Internal System water/air or air/air	0
Connection for external suction	•
Vacuum Drain Kit	0

Operating Light

EDI LED	lacktriangle
Maia Light LED	О
Eva Sunlite LED	О
Eva Sunlite LED with Camera	О
Eva Light Arm	О
Eva Ceiling Mount	О

Stools

Vanguard Doctor Stool	0
Vanguard Assistant Stool	О

Multi-media

Allow 90 days for delivery of optional equipment.



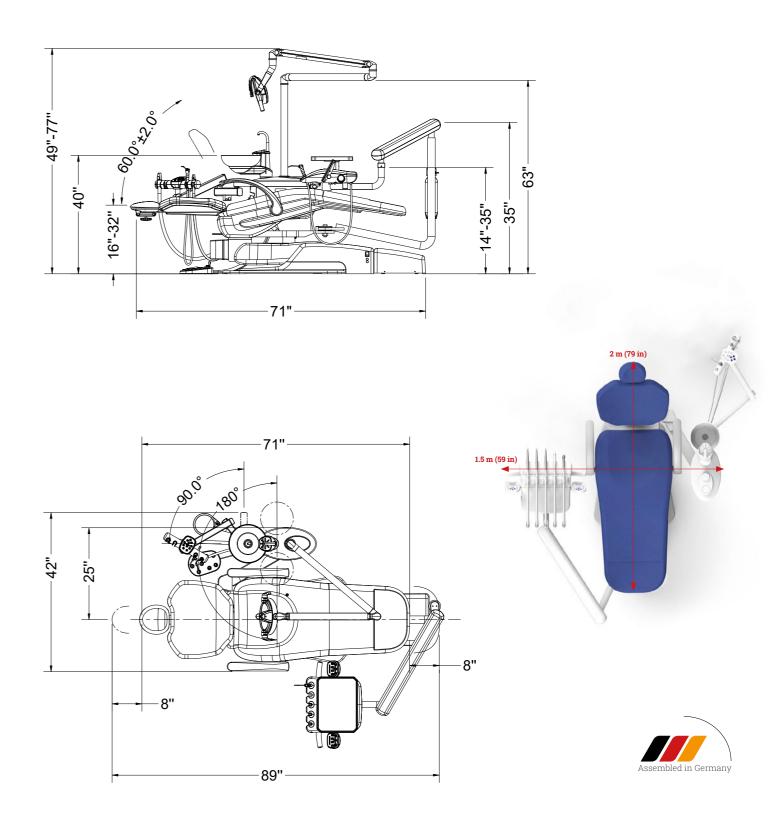
Lower tray (optional)

Tray on top (standard)

O

Optimum use of space

The Vanguard is well suited for smaller operatories where limited space is available.



Vanguard & Vanguard Smart



Upholstery Colors

15 seamless and 11 stitched upholstery colors give your practice an individual touch.



Stools

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

- · Backrest with fixed position or dynamic movement
- Ergonomic and comfortable seating
- · Symmetrical backrest
- · Gas lift cylinder

- Chrome legs
- Five dual casters for stability
- Color-matching upholstery available in multiple colors
- Available with or without foot ring



Vanguard & Vanguard Smart



Operating Lights

Best illumination where it is needed.

EDI LED

The LED technology is the present and the future of lighting systems: the light is obtained by a flow of electrons that goes trough a semiconductor material generating very little heat at constant light flow. Because of their simple design, LED lamps are virtually maintenance free, have a great luminous efficiency and incomparable durability.

- Light intensity: from 3.000 to 45.000
- Colour temperature: 5.000 Kelvin
- · activated by joystick or sensor
- static heat sink (no fan required)
- Precise illumination of the working field 150 x 80 mm





Maia Light LED

- · Light intensity: 3.000 to 45.000 Lux
- · Colour temperature: 6.000 Kelvin
- Cooling system: static heat sink (no fan required)
- Automatic saving of the light intensity used, after shutting off the dental unit and after the rinse function.
- The electronic lighting control can be activated by joystick, sensor or dental unit.

It adjusts the light from maximum to minimum continuous intensity, while maintaining constant colour temperature.

- Working light field: 8 x 3.9" (at 28" distance)
- Handles are removable and autoclavable

EVA Sunlight LED

EVA Sunlight provides a new generation of Sunlike LED, to benefit from the illumination, colour rendering and well-being as similar as the natural sunlight.

It drives the operator through tiny details for an increasingly reliable, efficient and comfortable view. The bright bulb on the head shows the level of illumination in use.

- Light intensity: 50.000 Lux
- Colour temperature: 5.000 Kelvin
- Working light field: 7.5 x 3.9" (at 28" distance)
- · Handles are removable and autoclavable
- Rotation System: 3rd axis





EVA Sunlight LED with Camera

EVA CAM is the operating lamp with integrated professional camera. The zoom is specific for dental practice to ensure direct and precise framing. The foot control allows no interruptive procedure to keep the attention on the operating field. EVA CAM is the best partner for constant and effective communication with the patient, colleagues and students and it enables a comprehensive and accurate record for diagnosis, treatment and traceability.

- Resolution 4K
- · Standard lens: 25mm
- Video format MP4
- Optional lens: 16mm
- Photo format JPG

EVA Light Arm





Vanguard & Vanguard Smart



Feature Comparison of Dental Units



Foot control for chair movements



Foot control for instruments

Foot Controllers

Designed for ease in chair movement

- Large foot control pad for easy repositioning
- · Manual control of chair movements
- Up/down of backrest and chair

Foot control for chair movements

- Rinsing position/last treatment position
- Entry/exit position
- Three programmable chair positions

Foot control for instrument functions

- Speed/power control for the active instrument
- Water on/off mode instruments

Buttons

- · Switch for instrument water
- · button for chip air function











	***************************************	A Second			
	Vanguard	Vanguard without Cuspidor	Vanguard Chair Only	Vanguard Smart	Vanguard Smart Chair Only
Patient chair					
Chair Movement	Electric or Hydraulic	Electric or Hydraulic	Electric or Hydraulic	Electric	Electric
Unit Mounting	Chair-mounted	Chair-mounted	Chair-mounted	Chair-mounted	Chair-mounted
Patient chair synchronized (Trendelenburg)	•	•	•	• India Modrited	
Left/Right hander version, 30° movement	ă .			_	_
Left armrest	• (movable)	• (movable)	• (movable)	• (not movable)	• (not movable)
Right grmrest	• (movable)	• (movable)	• (movable)	• (movable)	• (movable)
Double Articulated headrest	(IIIovable)	(Illovable)	(Illovable)	(Illovable)	(Movable)
Foot control for chair movements	ă .		Š	Ĭ	
Foot control for instruments					_
Programmable positions				_	
Safety switch					_
Seamless upholstery			<u> </u>		
Upgraded upholstery (Chair and two Stools)	0	0	0	Ö	0
Dentist's Delivery System	0	0	0	9	0
Three-way syringe	•	•		•	
3 outlets for turbine or air motor without light			-		_
Fiber optic outlets	0	0	=	0	-
MCX Micro Motor Kit with Optima Display	0	o o	-	0	_
iOptima ^{NT} Micro Motor Standard			-		-
iOptima ^{INT} Micro Motor Kit ALL-IN-ONE	0	0	-	0	-
Acteon Newton Scaler	0	0	-	0	-
	~	~	-	~	-
Double tray support for 2 trays	•	•	-	•	-
Traytable on top	•	_	-	•	-
Lower double tray	0	0	-	0	-
1. Tray stainless steel	0	0	-	0	-
2. Trays stainless steel	0	0	-	0	-
Silicone mat for 2 trays	•	•	-	•	-
Assistant's Package		_			
Three-way syringe	•	•	-	•	-
Large suction hose	•	•	-	•	-
Small suction hose	•	•	-	•	-
Curing light LED	0	0	-	0	-
Integrated button panel	•	•	-	•	-
Moveable assistant's delivery arm	•	•	=	•	=
Cuspidor					
Cup heating	0	-	-	0	-
Detachable and thermodisinfectable cuspidor	● (Ceramic)	-	-	● (Ceramic)	-
Tray table with 2 trays	•	-	-	•	-
Aqua Bottle System (ABS)	•	-	-	•	-
Venturi Internal System water/air or air/air	О	-	-	0	-
Connection for external suction	•	-	-	•	-
Operating light					
EDILED	•	•	-	•	-
Maia Light LED	О	0	-	0	-
Eva Sunlight LED	0	0	-	0	-
Eva Sunlight LED with Camera	О	0	-	0	-
Eva Light Arm	0	0	-	0	-
Eva Ceiling Mount	0	0	-	0	-
Stools					
Vanguard Doctor Stool	0	0	=	0	-
anguard Assistant Stool	0	0	=	0	=
Multimedia					
Intraoral camera with Monitor	0	0	-	0	-
•					

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Intraoral Camera

RITTER CAM



MCX Micro Motor Kit

With Optima^{INT} Display





A3W-X Intraoral Camera Mount and Monitor incl.



Digital intra-oral camera and monitor

With the Ritter intraoral camera, you can easily highlight pathological processes in the image and explain clinical measures in a simple way. This facilitates the dialog with the patient and prevents patient objections and concerns. Acceptance of the treatment is increased because patients are more involved in the process and thus quickly understand the importance of the planned treatment.

For you as a practitioner, this means more efficiency and productivity

Technical specifications:

Power supply: 220 V or 24 V Input Power: 4.5 VA~5.5 VA

Camera Lens Auto Focus: 15 mm~30 mm Operating Range: 18 mm~25 mm

Handle Wire Length: 2 m

Image Format: JPEG
View Angles: 62 degrees

Imaging Sensor: CMOS sensor, 2.0 Mega Pixels

Resolution: 1280*1024 (30 fps)

Display Screen: 17"

Backlight: 10 LEDs; Support lights off



Perfect Control

Optima^{INT} and its MCX micromotor guarantee perfect control of the tool, managing the speed and the reversal of the direction of rotation. Providing the ultimate speed and torque control, the Optima^{INT} with Smart Logic technology is capable of exploiting to the fullest. Thanks to its Easy-Nav philosophy, the Optima^{INT} is incredibly intuitive and adapts perfectly to Ritter Ultimate Comfort Line.

The Optima^{INT} interface has 10 preprogrammed sequences for restorative operations and 10 sequences for endodontic operations with MX2 micromotor. You can perform your root treatments in complete safety. The Optima^{INT} has been designed to reduce the risk of NiTi instrument breakage to a minimum, by means of the auto-reverse function.

The MCX with adjustable LED light is the smallest and lightest brushless micromotor ever designed by Bien-Air. With MCX, you'll benefit from an even better grip and balance, ensuring more precise movements and less fatigue during the day.

Technical specifications MCX Motor:

Applications: Restoration, Prophylaxis

Speed range: 100-40 000 rpm

Max. torque: 2,5 Ncm

Torque control: No

Dimensions Ø: 21 x 42 mm

Weight: 78 g
Endo functions: No
Light: LED
Autoclavable: Yes

Hose attachment/rotation: Screws / ± 200°

Available options:

Optima $^{\text{INT}}$ with 1 MCX LED motor Optima $^{\text{INT}}$ with 2 MCX LED motors Optima $^{\text{INT}}$ with 1 MX2 motor

Optima^{INT} with 2 MX2 motors

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MX2 Micro Motor Kit

With iOptima^{INT} STANDARD





MX-i Micro Motor Kit

With iOptima^{INT} ALL-IN-ONE











Endodontics. Restauration. Prophylaxis.

iOptima^{INT} and its MX2 micromotor is the all-in-one solution that o ers the full range of treatment options and is seamlessly integrated into the Ritter Dental Vanguard Line. You no longer need any additional equipment: iOptima^{INT} can be used to perform restorative procedures and endo treatments.

The system can be easily controlled via an Apple® iPad mini tablet *. The iOptima^{INT} therefore requires little space and guarantees a perfectly functional working environment. Highly versatile, the iOptima^{INT} enables you to perform most of your dental procedures.

The Bien-Air MX2 carbonless micromotor with adjustable LED light is a little overachiever. The result is exemplary balance and comfort: constant power, perfect control of speed, torque and reversal.

Technical specifications MX2 Motor:

Applications: Restoration, Prophylaxis, Endodontics

Speed range: 100-40 000 rpm

Max. torque: 3,5 Ncm

Torque control: Yes

Dimensions Ø: 21 x 44 mm

Weight: 79 g Endo functions: Yes

Light: LED with adjustable light intensity

Autoclavable: Ye

Hose attachment/rotation: Screws / ± 200°

Available options:

iOptima $^{\rm INT}$ with 1 MX2 motor iOptima $^{\rm INT}$ with 2 MX2 motors

*iPad mini not included

Implantology. Surgery.

iOptima^{INT} is the All-in-One solution offering you the full range of treatment options seamlessly integrated into your dental chair. No need for additional equipment anymore: iOptima^{INT} lets you perform your restorative procedures, endo treatments (incl. reciprocating mode) and surgical procedures incl. implant placement. A Piezo scaling function is included as well.

Installed directly into the existing dental unit, the system is easily controlled through an Apple® tablet. The iOptima $^{\rm INT}$ therefore requires minimal space and guarantees a perfectly functional working environment.

MX-i LED micromotors are first and foremost a model of stability. At both high and low speeds, they offer enhanced working comfort and their high torque copes with the most complex implant insertion procedures. Depending on the desired speed, the power is constantly adapted in order to provide the optimum result.

Technical specifications MX-i Motor:

Applications: Implantology, Surgery

Speed range: 100-40 000 rpm Max. torque: 6 Ncm

Torque control: Yes
Dimensions Ø: 23 x 69 mm

Weight: 115 g

Light: LED with adjustable light intensity

Autoclavable: Yes Hose rotation: 0°

*iPad mini not included

Bien Air Chiropro Implant Motor with Handpiece











Chiropro 3rd Gen Implant System.

Simplicity – the keyword of the new range of products developed by Bien-Air Dental in the field of implantology and oral surgery motors. Are you a dentist and/or specialized in implantology and looking for a simple, fast and efficient solution for your daily procedures? The Chiropro is the ideal solution for precise, reliable implant placement.

Technical specifications:

Intuitive navigation: a single rotary knob for control

Removable and sterilizable knob

5 programs freely programmable

Torque control

MX-i LED micromotor with ceramic ball bearing

Maximum torque: 70 Ncm

Set includes:

 $1\,\mathrm{x}$ console Chiropro 3rd Gen 1x contra-angle CA 20:1 L

Micro-Series

1 x MX-i LED 3rd Gen micromotor with 3 years warranty

1 x cable MX-i LED 3rd Gen

1 x foot pedal

1 x handpiece holder

5 x irrigation cables

2 x sterile protective foils

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Ritter ProCure



Scaler ACTEON ZEG SP NEWTRON







Ritter ProCure

- Wireless
- Three working modes: Full, Ramping, Pulse
- Curing light up to 50 seconds
- Constant light intensity.

 The solidification effect is stable.

Technical specifications:

Rated Voltage:: 24 V~ Rated Input: ≤8 W

Power: from 1000 mW/cm²

to 1200 mW/cm²

Light source: blue light

385-515 nm

Working conditions:

Environment temp.: 5 °C to 40 °C Relative humidity: 30 %-75 %

Dimension: 26x25x260 mm

Weight: 135

Dental Ultrasonic Scaler LED Handpiece

The autoclavable LED handpiece with a light source of 100,000 lux guarantees perfect visibility of the surgical area and is ideal and is ideal when working with the loupe. Cold light is used for better differentiation of soft tissue types. Thanks to innovative air supply system, the filtered air is fed directly to the tip at low directly to the tip – for thorough cleaning of the root canals of the root canals.

Technical specifications:

Frequency of oscillation: \leq 28 KHz Amplitude of the approach: \leq 200 μ m

Illuminance: 100,000 lux
Color temperature: 6,000-7,000 Kelvin

Length: 113 mm Weight: 55 g

Handpiece cable: 2000 mm +/- 50 mm

Scaler Tips: Satelec 1, 2, 10P

 $A \cap A \cap A$

Compressors









Ritter Compressor RA 7/3 D (Dryer)

Features:

- Oil free
- Adjustable pressure
- Auto stop and restart
- · Air tank internal surface epoxy treatment
- Low maintenance
- Thermally protected
- · Low running costs

Advantages:

- Lower noise level
- Compact layout and smart design
- Competitive price
- Secure handling
- · Constructed for continuous duty
- Options available: Tank volume, Silent cabinet

Technical specifications:

Power: 3 HP via 3 pumps Rotational speed: 1400 rpm

Tank: 80 Liter (18 Gallons)

Conveying capacity: 456 Liter (100 Gallons) Minute

Sound pressure: 56 dB (A) Users: 5 to 6

Operating voltage: 220 V

Dimensions: 920 x 425 x 725 mm

(36,2" x 16,7" x 28,5")

Weight: 78/90 kg

(172/198 lb)

Ritter Compressor RA 7/4 D (Dryer)

Features:

- Oil free
- Adjustable pressure
- Auto stop and restart
- · Air tank internal surface epoxy treatment
- Low maintenance
- Thermally protected
- · Low running costs

Advantages:

- Lower noise level
- Compact layout and smart design
- Competitive price
- · Secure handling
- · Constructed for continuous duty
- Options available: Tank volume, Silent cabinet

Technical specifications:

Power: 4 HP via 4 pumps

Rotational speed: 1400 rpm

Tank: 135 Liter (30 Gallons)

Conveying capacity: 608 Liter (134 Gallons) Minute

Sound pressure: 56 dB (A) Users: 7 to 8

Operating voltage: 220 V

Dimensions: 1070 x 460 x 750 mm

(42,1" x 18,1" x 29,5")

Weight: 91/114,5 kg

(201/252 lb)

Compressors













MGF 100/50 TANDEM PRIME M

Features:

Prime oil-free compressors equipped with adsorption air dryers provide pure air with 0,01 micron filtration and -40°C dew point at atmospheric pressure, in conformity with the International Stardards in matter of compressed air qualiy. These versions are suitable for food and medical industry, in general can be used in all the applications where an excellent purity of compressed air is required.

Technical specifications:

Power: 6 HP

Tank: 90 Liter (24 Gallons)

Air capacity: 450 Liter (119 Gallons) Minute

Pressure max: 10 bar

Sound pressure: 69 dB (A)

Users: 6 Maximum simultaneous

Dimensions: 1230 x 630 x 820 mm

(49" x 28,5" x 40,2")

Weight: 118 kg (260 lb)

Available as: 220 V/60 Hz / single Phase

230-400 V/60 Hz / 3 Phase

MGF 200/75 PRIME M

Features:

Prime oil-free compressors equipped with adsorption air dryers provide pure air with 0,01 micron filtration and -40°C dew point at atmospheric pressure, in conformity with the International Stardards in matter of compressed air qualiy. These versions are suitable for food and medical industry, in general can be used in all the applications where an excellent purity of compressed air is required.

Technical specifications:

Power: 9 HP

Tank: 200 Liter (53 Gallons)

Air capacity: 660 Liter (174 Gallons) Minute

Pressure max: 7 bar

Sound pressure: 72 dB (A)

Users: 9 Maximum simultaneous

Dimensions: 1450 x 820 x 900 mm

(57" x 32,3" x 35,4")

Weight: 183 kg (403 lb)

Suction



Autoclave











Metasys Excom Hybrid 5 Suction Unit 1,5/1,75 Kw

Features:

- Centrifugal separation rotor
- Frequency-controlled suction power regulation
- Aluminium turbine wheel
- High wastewater outlet
- One motor shaft
- Airflow-optimized cooling fins
- · Low running costs

Advantages:

The suction power of dry suction motors, combined with integrated air/water separation and different, optional amalgam separator modules are the cornerstones of a central suction system, marked by its flexible and individual structure, high level of user-friendliness, and its unobtrusive yet efficient technology. The EXCOM hybrid can be used as a dry as well as a semi-wet suction system makes it so unique.

Technical specifications:

Power supply:	230 V AC
Frequency:	50/60 Hz
Max. current consumption:	9,0/10,0 A
Max. electrical shaft power:	1,5/1,75 kW

Max. ambient temperature:	40 °C
---------------------------	-------

Airflow rate: 2000/2400 l/min

Negative pressure regulated: 180 mbar

Noise level: 64/68 dB(A) Noise level with cover: 51/54 dB(A)

Dimensions (H x W x D):
Dimensions with cover (H x W x D):

Weight:
Weight with cover:

51/54 dB(A) 620 x 460 x 455 mm 785 x 500 x 550 mm 30 kg (66 lb) 67 kg (148 lb)

W&H Lexa MN-111

Features:

- User-friendly interface
- Customizable drying time
- Large capacity sterilizer
- Versatile sterilization program options
- Superior vacuumassisted drying
- Meets stringent hygiene standards
- Easy maintenance
- Programmable cycle start
- Excellent value for money
- Automatic digital cycle recording on USB stick
- Automatic water filling (optional)
- User authentication and load release (optional)
- Barcode label printing (optional)

Technical specifications:

Chamber size: 28 liters (7.4 gal)

Main/Used water tanks: 6.4/6.7 liters (1.7/1.8 gal)

Connection types: 2 USB ports

1 Ethernet port (optional)

Power supply: 100–125 V AC; 50/60 Hz

12 A Single Phase

Dimension (W x H x D): 490 x 452 x 616 mm

19.3" x 17.8" x 24.3")

Weight (empty): 48 kg (105.8 lbs)

Sterilizer supplied with chamber rack, 4 large trays,

tray holder, drain tube, USB drive







DENTRIMAX



MAX 18x16.5 cm FOV, perfect for capturing most maxillofacial structures



PANO with Autofocus

2D panoramic feature with Autofocus for minimized distortion



Bitewings Extraoral bitewing images for better patient

comfort

Model Scan Option Model CBCT Scan for STL extraction

Cephalometric X-ray(optional)

Optional cephalometric arm attachment, excellent diagnostic images for orthodontic practice

∀ Field of View

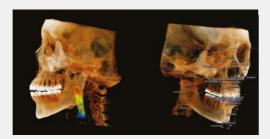
Expansive FOV 18x16.5 cm maximizes your practice.
Dentri Max provides you with various FOV size options from 3x3 cm to 18x16.5 cm



(3x3 cm - 12x9 cm)







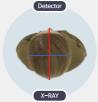
3D Cephalometric analysis

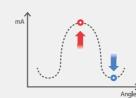
✓ Low Dose Radiation

An additionally equipped filter & Adaptive Exposure Control(AEC) technology significantly reduces radiation exposure. HDX WILL's imaging reconstruction still allows superior image quality.

CBCT scan with only HALF the dose of PANO scan *16x9 cm FOV with Ultra Low Dose & AEC ON

Adaptive Exposure Control(AEC)





♥ Superior Image Quality

HDX WILL's state of the art imaging reconstruction algorithm finds the best value of each voxel and enhances image contrast and sharpness.

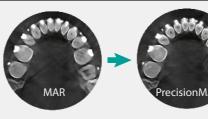




✓ PrecisionMAR

PrecisionMAR™ offers unprecedented clarity around metal, improving diagnostics and planning.

- Minimal scatter
- Reduced shading artifact
- Clearly define bone and teeth structures around metal



CBCT Panoramic Imaging FOV 16.5 x 18

Dedicated 2D Panoramic X-ray





Auto Focus Minimized distortion, Maximized ability to obtain clear images

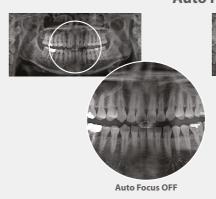


Extraoral Bitewing TMJ diagnostic x-ray



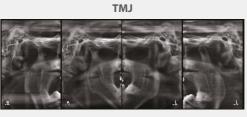
Low Dose Mode Rapid scan time, Minimized dosage to patient

Auto Focus











Cephalometric X-ray(Optional)

Various cephalometric x-ray options with auto landmark tracing feature*. Scan type & One-shot type available.

*Auto Tracing - Available with Willceph software purchase.

Function	CBCT + PANORAMA + Cephlometric X-ray(Scan type, Optional) + Model Scan + 3D Ceph Module
Focal Spot	0.5 mm
	CBCT: 8 s or 12 s, 24 s, 36 s
Scan Time	Panorama: 14 s or less / Bitewings: 8 s or less / TMJ: 6 s or less
	Cephalometric X-ray(Optional): 8 s or less(Scan Type) / 0.5 s ~2 s (One-Shot Type)
FOV size(DxH)	18 × 16.5 cm(Stitch), 16 x 9 cm(Non-Stitch), Free FOV (min. 3 × 3 cm)
Voxel Size(CT)	0.1 - 0.3 mm
Tube Voltage	60 kV - 90 kV
Tube Current	4 mA - 10 mA
	DENTRI Max: 1201 mm × 1361 mm × 2455 mm (47.3" × 53.6" × 96.7")
Dimension(WxDxH)	DENTRI C MAX: 1999 mm × 1361 mm × 2455 mm (78.7" × 53.6" × 96.7")
	DENTRI S MAX: 1941 mm × 1361 mm× 2455 mm (76.4" × 53.6" × 96.7")











3D Imaging

MAX 16x9 cm FOV, perfect for capturing dentition, sinus, or TMJ



Bitewings

Extraoral bitewing images for better patient comfort



Model CBCT Scan for STL extraction



PANO with Autofocus

2D panoramic feature with Autofocus for minimized distortion

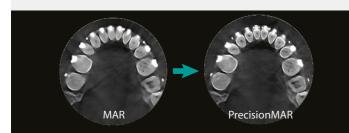


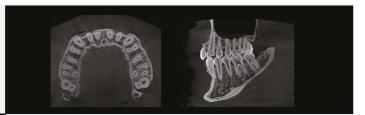
Cephalometric X-ray(optional)

Optional cephalometric arm attachment, excellent diagnostic images for orthodontic

Superior Image Quality

HDX WILL's state of the art imaging reconstruction algorithm finds the best value of each voxel and enhances image contrast and sharpness.





PrecisionMAR

PrecisionMAR™ offers unprecedented clarity around metal, improving diagnostics and planning.

- Minimal scatter
- Reduced shading artifact
- Clearly define bone and teeth structures around metal

CBCT FOV(Field of View) Size

Wide 16x9 cm FOV allows for the entire dentition, TMJ, Nose, Ear or Pediatric dental arch to be captured in one scan. Various options are available from 3x3cm to 16x9cm FOV











10x8 cm Child Mode

Low Dose Radiation

An additionally equipped filter & Adaptive Exposure Control(AEC) technology significantly reduces radiation exposure. HDX WILL's imaging reconstruction still allows superior image quality.

CBCT scan with only HALF the dose of PANO scan

Adaptive Exposure Control(AEC)

CBCT Panoramic Imaging FOV 16 x 9

Dedicated 2D Panoramic X-ray





Auto Focus Minimized distortion, Maximized ability to obtain clear images



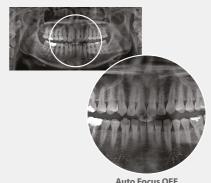


TMJ diagnostic x-ray



Low Dose Mode Rapid scan time, Minimized dosage to patient

Auto Focus





Auto Focus OFF

Bitewings



Cephalometric X-ray(Optional)

Various cephalometric x-ray options with auto landmark tracing feature* *Auto Tracing - Available with Willceph software purchase









Function	CBCT + PANORAMA + Cephlometric X-ray(Scan type, Optional) + Model Scan				
Focal Spot	0.5 mm				
Scan Time	CBCT: 8 s or 12 s, 24 s				
	Panorama: 14 s or less / Bitewings: 8 s or less / TMJ: 6 s or less				
	Cephalometric X-ray(Optional): 8 s or less(Adult) / 6 s or less(Child)				
FOV size(DxH)	16x9 cm or 12x9 cm, 10x8 cm(Child), Free FOV (Min. 3x3 cm)				
Voxel Size(CT)	0.1 - 0.3 mm				
Tube Voltage	60 kV - 90 kV				
Tube Current	4 mA - 10 mA				
Dimension(WxDxH)	Eco-X: 980 mm × 1225 mm × 2314 mm(38.6 " × 48.3 " × 91.1 ")				
Diffierision(WXDXFI)	Eco-X S:1802 mm × 1225 mm × 2314 mm(71 " × 48.3 " × 91.1 ")				

Imaging REMEDI

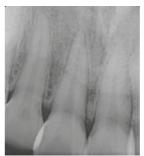




- High Resolution
- Advanced Image Processing Algorithm
- Increased Patient Comfortableness and Ergonomic Design
- Easy Connection Using Twain Driver.

DIGITAL INTRAORAL IMAGE SENSOR

Intraoral Sensor 42 x 30 or 39 x 25







Product packaging









FEATURES

Image Quality

- Less graininess Enhanced image
 Contrast resolution Best at the penny test
- Spatial Resolution 19-micron pixel size

Patient Comfort

- Ergonomic Design with round corners 6.0mm radius
- Thin Sensor Plate 5.4mm (less than 1/4")
- Low Profile Button 6.0mm

Designed for Durability

- Thinner Cord Direct USB from sensor plate to computer
- Sturdier Cord Jacket Fewer wires enables greater protection
- Protected Against Fluids / Contaminants Sealed cord / sensor junction
- Repair Option Cord serviceability

Ergonomic Design

- Broad Range of Acceptable Exposure Superior electronic gain control
- Sang-Resistant Cord -No interface box or cord bulge
- Easy Cleaning Immiscible in glutaraldehyde and other disinfectants

SPECIFICATION

Parameter	l oDS - 2401	loDS-2402		
Dimension (mm)	39 x 25	42 x 30		
Image size (mm)	30 x 20	34 x 26		
Image resolution (lp/mm)	25			
Pixel size (µm)	20			
Pixel pitch (µm)	20			
Total pixels (px)	1.5M	2.2M		
Effective pixels (px)	1000 x 1500	1300 x 1700		
Sensor technology	CMOS with Optical Fiber			
Scintillator	CsI (Tl)			
Interface	USB 2.0 high speed			
Frame rate (fps)	1.4	1		

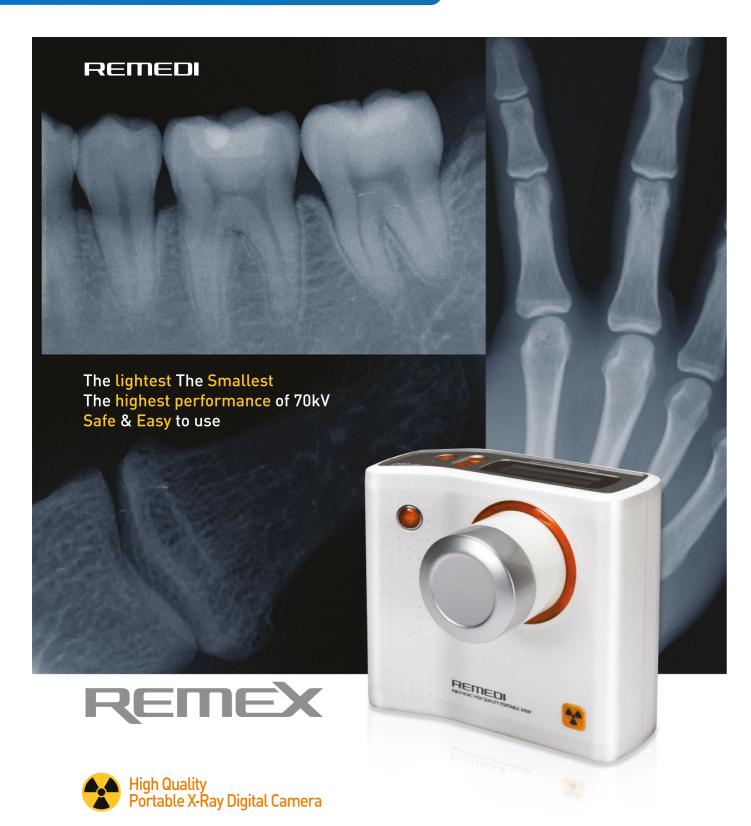


Manufacturing : 69-14, Sakju-ro, Chuncheon-si, Gangwon-do, korea Head Office : 1408, IS BIZ Tower, 26 Yangpyeong-ro 21-gil, Yeongdeunpo-gu, Seoul, Korea Tel : +82-2-2135-5888 Fax : 82-2-6968-2042 E-mail : sales@remedihc.com www.remedihc.com

REVOLUTION IN MEDICAL DEVICES

Imaging REMEX





- Conveniently transportable anywhere: office, surgery suites, humanitarian work Easily take an x-ray anytime during procedures
- No cumbersome stands or cables
- Cordless, rechargeable batteries. More than 250 exposures per charge
- Lightweight, highly convenient. No motion artifacts; blur-free radiographs

Remex provides the best diagnostic imaging

REVOLUTION IN MEDICAL DEVICES

Handheld X-Ray Camera

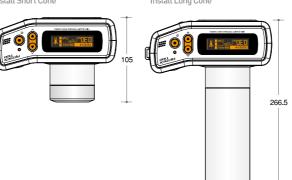




Front View



Top View



165.3

Rear View



SPECIFICATION

Constant Potential High-Voltage Generator

Electrical

X-ray Tube Voltage	70 kV
X-ray Tube Current	2 mA
Focal Spot Value	0.4 x 0.4 mm
Output Power	140 w
Exposure Time	0.01 ~ 1.3 sec

Mechanical

Anode Angle 12.5 degrees	
Inherent Filtration At least 1.5	mm Al
X-ray Coverage Ø60 mm at S	SID 233 mm

Dimension

	165.3×105~266.5×153.6	[WxDxH]
Weight		

Rechargeable Battery

riconal goable Battery		
D	C 11	.1 V, 1500 mAh
Charger		
In	put	100~240 VAC, 50~60 Hz, 0.5 A

Output 12.6 Vdc, 1500 mAh

About 1.7 kg

REMEDI

Manutacturing : 69-14, Sakju-ro, Chuncheon-si, Gangwon-do, Korea Head Office : 1408, IS BIZ Tower, 26 Yangpyeong-ro 21-gil, Yeongdeunpo-gu, Seoul, Korei Tel : +82-2-6968-2044 Fax : +82-2-6968-2042

REVOLUTION IN MEDICAL DEVICES

Ritter Implants



The Ritter SB/LA-Implant System offers a wide range of selected sizes and prosthetic components. This includes the Narrow Line with 3.0 and 3.3 Diameters and Platform Shifting features for all Implants and Abutments to assist a perfect soft tissue management.

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1. PICK YOUR IMPLANT PACKAGE

25 IMPLANT PACKAGE





2. PICK YOUR IMPLANT SIZES

	6.0	5.0				
6			4.2	3.75		
8					3.3	3.0
10						
11.5						
13						
13						



WRITE AMOUNT IN EACH CELL

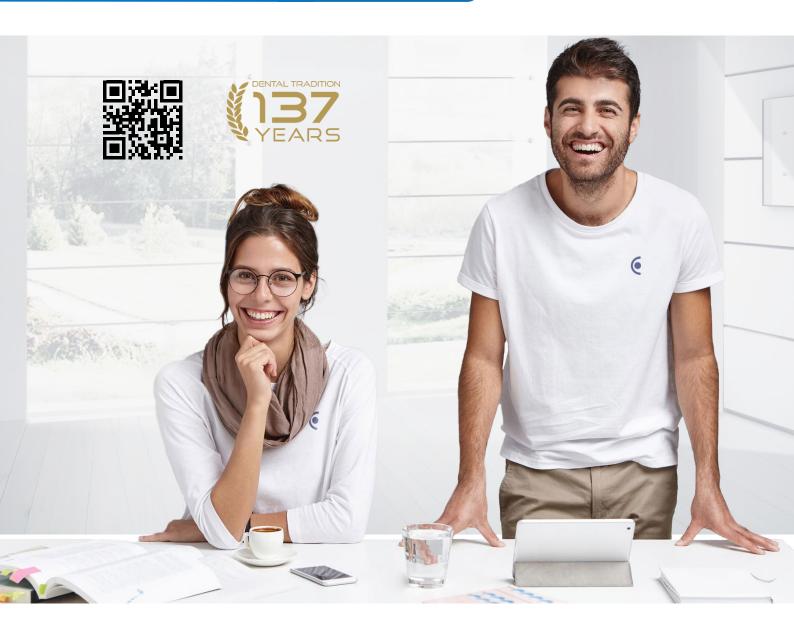
3. ADD OR UPGRADE SURGICAL KIT





Worldwide





Ritter Dental USA 4310 West Ave San Antonio, TX 78213 Phone: 855.807.8111 Fax: 800.831.5973 www.RitterDentalUSA.com

M ---- f --- t-----

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