

The treatment centre range to

# suit all tastes

for better daily dentistry



## Dental Chair/Package Range

8	EURUS S8 (the ultimate chair solution!)	2	100 years of Belmont
20	CLESTA EIII SWING (ambidextrous and economical)	48	Upholstery
28	TBCOMPASS (ambidextrous with more features)	50	Dental Light
32	CLESTA eIII	54	Dental Xray
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47	CLAIR (kneebreak)		



# Rise into beauty. Walk into life 100 years of Takara Belmont

TAKARA BELMONT have been contributing ourselves for people's wish to be healthy and beautiful through a century of our history.

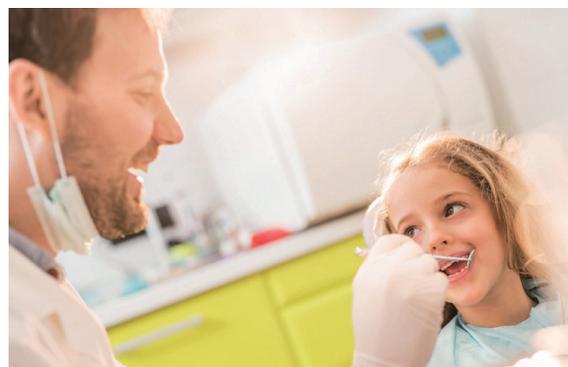
## Belmont Values

The principle of our craftsmanship is to realize 3 Cs for dentists

### Cure

To treat patients with reliable technique and state-of-the-art technology

- Belmont's original electro-hydraulic technology achieves dental equipments with long-term & high durability.
- Ergonomically designed dental equipments make dentist's long working hours easy with minimal strain.
- Our dental equipments provide solutions against infection to stay clean and safe during treatment.



### Care

To support preventative care and aesthetic dentistry

- It came to be widely known that the quality of life to be able to raise by keeping mouth healthy.
- For that purpose, a care and a maintenance are also important not a cure of a cavity.
- Our goal is to lessen the pressures felt during treatment, so that our dental equipment eliminates the noise, vibration and shock that lie at the root of feelings of insecurity among patients.

### Communication

To enhance patient's consciousness and mutual understanding

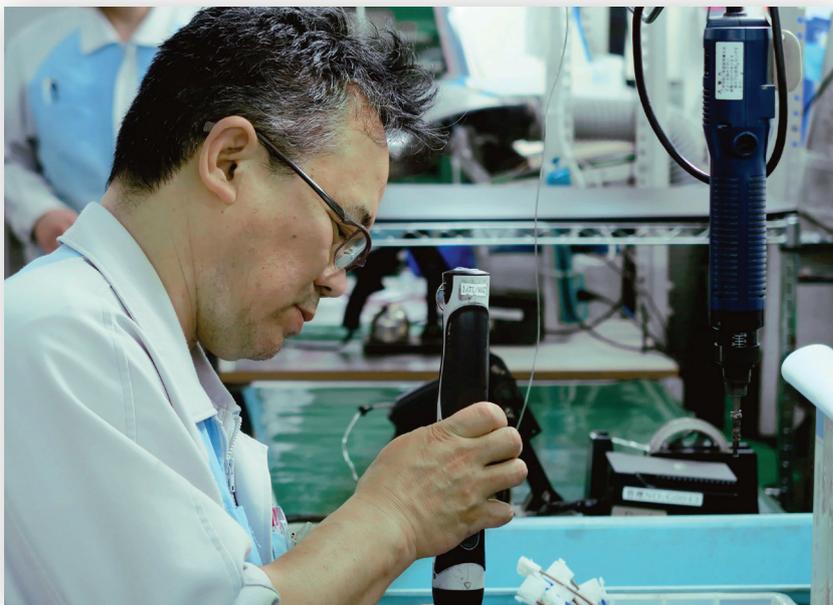
- Patients can discuss needs and a thought with a dentist further in the relaxed space.
- With the aim of alleviating anxiety for patients visiting clinics and enhancing their relationships of trust with dentists, we have pursued dialog and comfort from the "patient's perspective" by reconfiguring the unit with the intent of "disguising" dental treatment.
- This "disguise" covertly stimulates the patient's senses in a good way.



## Made by Hand and Mind, in Japan

Almost one hundred years on, we manufacture every piece of every chair, unit, light and x-ray unit we deliver to market.

The provenance of our product is thus unquestionable, and the high quality of our products are maintained by the familiarity of eye, hand and mind that comes with our loyal workers.





### Dental Unit - Long-term Durability

Durability testing is vital to the development of Belmont equipment. Products and components undergo rigorous testing, to ensure they meet Belmont performance standards. As an example, valves undergo cycle testing up to one million actuations.



### Dental Chair - Quality Starts Within

Each Belmont chair is the result of more than 50 years of product research and development, meticulous engineering expertise and innovative production methods. Belmont hydraulic dental chairs are world renowned for providing reliable long-term performance for operators, as well the smooth comfortable seat motion that minimizes patient stress and anxiety as they are gently glided into treatment position.



### Dental Light - Realization of Natural Light

LED dental lights produce natural light. By placing LED bulbs in round pattern, our LED lights produces natural light with high color rendering and performance, for correct tooth shade matching and for differentiation of soft tissue.



### Dental X-ray - Safety and Reliability

Our reliable quality is based on the strict inspection standard and user-friendly designing such as our easy to understand operation panel, smooth arm movement and easy to position compact tube head. These unique features are helping us gain a worldwide reputation.

Since 1921 in Osaka, Japan, Takara Belmont has been casting metals for chairs.

In the future, we will continue our ongoing efforts to actively introduce advanced manufacturing facilities and efficient production systems in response to the changes in times, produce high-quality, innovative products and enhance the reliability and safety of our products.



### Upholstery Processing Technique

In responding to the customer's demand, highly trained upholstery workers handcraft the chair by using staple gun and pressing machine.

### Production Inspection

To provide high quality products to all customers, we provide inspection of electricity and functions to the products before shipping.

### Machining Technology

We process a broad range of components from cylinders, ram shafts, to many precise components by ourselves. Core components are inspected for dimensional accuracy at micro-meter level.





tbCompass

Ambidextrous  
Treatment Centres

Committing to contribute to the healthy life not only for patients, but also for dentists & their team.

### Ergonomics in Dental Practice

Dentists are at high risk for musculoskeletal disorder due to the nature of their work. 81 percent of dentists surveyed said they had experienced work-related neck pain during the year, 51 percent reported lower-back problems, 44 percent said they had shoulder pain, 43 percent had upper-back pain, 38 percent reported hand pain, 30 percent mentioned mid-back pain and 14 percent indicated arm pain.

The key to preventing work-related musculoskeletal disorder is ergonomics - the science of fitting the work environment to the worker.



### Patient-friendly Design

What the dentistry can offer is to propose a lifestyle, in which people can enjoy a healthy oral environment throughout their life.

We, Takara Belmont, are always ready to support dentists and all the staff by designing the space and coordinating dental equipment to invite not only patients but also people, who have healthy teeth to learn about preventive oral care.

For example, our leg-folding chair. The patients can easily take a seat as if they sit on chairs at home. It helps to create a more comfortable space for the patients. Takara Belmont is the first manufacturer of the leg-folding chair in Japan.

As a company advocating the value of “Health and Beauty”, we respond to people’s demand by designing space, developing products and services, and hope to support them to maintain the happy teeth.



# the eurus S8



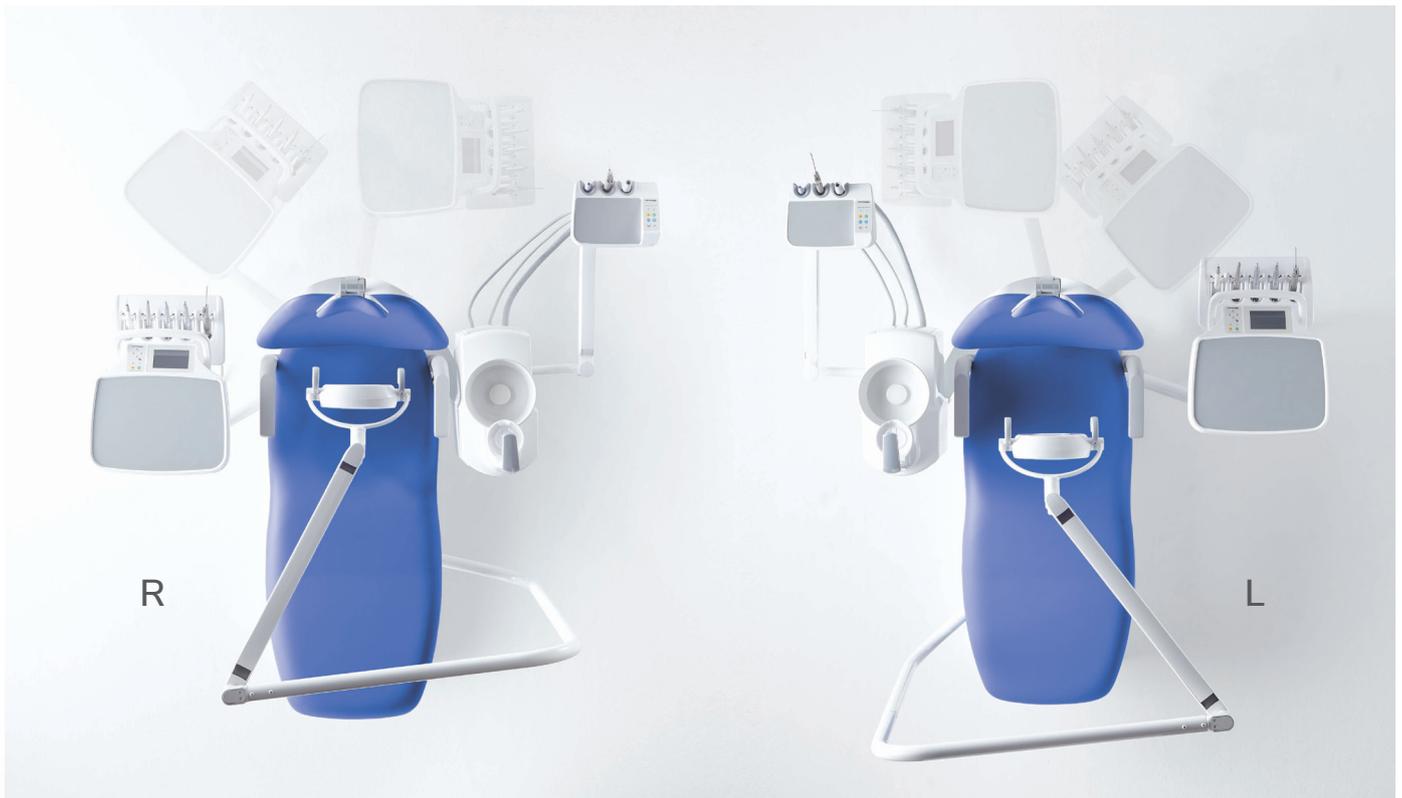
## EURUS

With a name inspired by the East Wind, which brought blessed rain to grain fields in ancient Greek mythology, Eurus embodies our belief of bringing highly innovative, reliable products to the world of dentistry.

## Compact Space

### Wide Variety of Treatment Styles

The ambidextrous dental unit is ideal for both right and left handed dentists and assistants. The changeover is easy and takes only a few minutes. This function makes the unit suitable for a variety of operating styles and increases efficiency. For example, the rotatable assistant holder tray offers dentists a more comfortable operating space and allows for two-handed operations. Positioning the doctor table behind the chair enables assistants to prepare during consultations.



#### Two-handed position

The long reach and light movement of the arm facilitate two-handed treatment to be administered without stress.



#### Four-handed position

In four-handed position, the tabletop provides a common space for the dentist and the assistant, facilitating smooth treatment.

## Light As Air

A highly manoeuvrable and lightweight doctor table reduces fatigue for dentists. It allows the doctor table to be moved with only a minimum of effort. This characteristic can lead to a prolonging of a dentist's career. The doctor table and cuspidor can be moved over a wide range from left to right. Belmont has over 25 years experience in developing this wide range of motion specification.



Non-standard holder (indent)

## Smooth, Comfortable and Relaxing Chair

The advanced hydraulic chair mechanism ensures the smooth, quiet and efficient movement of every chair function. This allows the patient to be manoeuvred effortlessly into the most comfortable position to receive their treatment.

Accommodating the unique age, height and stature of every patient, from small children to adults, the position of the new twin-axis headrest system can be fine-tuned in increments of 7.5 degrees for the ultimate in precision and comfort.

Featuring new advancements in manoeuvrability, the headrest can also be height adjusted effortlessly by the dentist and assistant to ensure complete comfort for the patient.

The chair has a low initial height with 200kg load capacity.



### Rotating armrests

The armrests are designed with a length and shape that make it easy for patients to hold, and the side-rotating mechanism helps elderly patients mount and dismount the chair with ease.



### Wireless foot controller with chair stick switch Option

The dental chair can be entirely manipulated in a hands-free, hygienic and intuitive manner using only the operator's foot.



### Power headrest Option

The full 120mm stroke and the neck angle can be easily adjusted without imposing excessive strain on the patient. The motorised headrest can also be manoeuvred hands-free via the foot switches, which ensures complete hygiene and safety.

## Fit The Height

### Arm Holder

The table's vertical range of motion is 840, 865, and 890 mm, adjustable in three-stage height.



Standard holder

**Handle - ideally suited for touch-panel operation**  
The handle is not only designed for an easy hold-and-move motion, it also provides an ideal resting position for the hand. This reduces stress and fatigue, and it facilitates reliable touch-panel operation.



**Instrument holder's position**  
Designed to be independent from the table, the instrument holder can be freely adjusted via a three-axis adjustment mechanism to achieve the best working position for the dentist



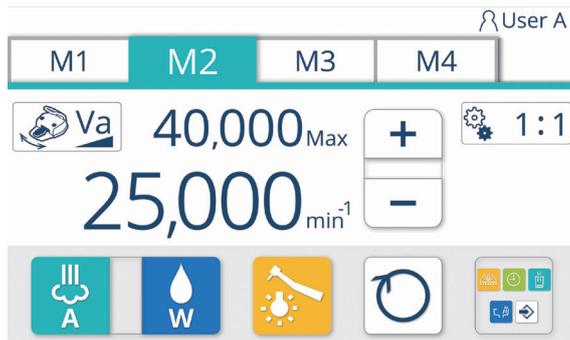
Non-standard holder (indent)

**Hose guide**  
The smooth, frictionless motion of the roller frees the dentist and dental assistant from the weight of the hose when drawing out dental instruments. This simple, yet ingenious design minimises strain from a working process that is repeated frequently throughout the day.

# Your style at the touch of a finger

## Interface

Designed to improve efficiency and reduce stress during treatments, the screen only displays necessary information when a handpiece is selected and picked up. This allows the dentist to concentrate on the treatment at hand as well as the patient, without unnecessary distraction.



### Motor

Configuring the screen for handpiece motors, which is capable of storing four different settings, allows for intuitive, seamless operation. RPM, torque and rotational direction can also be selected with a single touch of the screen.



### Sideways operation

A new slide foot controller allows for precision adjustment via sideways position motions and step-on activation. Maximum RPM can be set for the handpiece quickly and intuitively.

## Providing Quality

### Cuspidor

The cuspidor has been expanded to offer larger capacity and easier access which, with the separator, ensures the highest levels of hygiene are maintained.



#### LED Indicator

The unit features a safety Indicator that displays the lock-status of the dental chair and handpieces in an easy-to-see way. This ensures the dentist and dental assistant quickly and easily understand the status of the unit.



#### Suction system

The unit provides effective and reliable suction that has been significantly increased by 185%. This system can also be adapted for twin suction, which proves useful for more intensive surgical procedures.

\*Comparison of our conventional products under our conditions.

## Improved cleaning performance

### Cleanlines

Hygiene inside the chair unit is maintained by water line flushing, which means that patient-friendly treatments can be administered in complete safety and confidence. As an environmentally friendly option, the unit comes with a separator, or a separator with an amalgam collector, to reduce the need for everyday maintenance.



#### Autoclavable holder Option

The dentist outlets and the assistant outlets can both be autoclaved and detached for cleaning.

#### Suction line clean system Non-standard (indent)

Daily use of the integrated suction cleaning system prevents build-up of debris in the suction line and helps to maintain constant suction.



#### Detachable light components Option

The lens cover and autoclavable light handles are effortlessly removed with a single lever action for easy cleaning.

#### Detachable bowl

The ceramic bowl is easily detached for cleaning to make sure it is always clean and hygienic.

#### Water bottle Option

Clean water is easily accessible for handpieces and the cupfiller via a water bottle that's conveniently located and secured immediately under the doctor table.

## Bright and gentle Lighting Fixture

Our lighting fixtures are designed to reproduce natural light with a high functional colour rendering capacity. The light's composite mode can be active, and the light can be turned on and off, via its touch-less sensor.



### LIGHT UP BRILLIANTLY

The new 900 dental light provides variable intensity up to 39,000 luxes with rectangular light pattern and is bright enough to operate in the latest treatment styles.

It is easy to be turned on and off by the touchless sensor, and the composite safe mode can be active as well.

### Flexible lighting

The Belmont spring arm allows the light to be moved around effortlessly and remain in the desired position, so that the dentist or dental assistant can begin treatments without delay. The arm spans a wide area, including the maxillary and mandibular areas of the patient, to ensure optimum illumination for every dental procedure.



# Colour variations

## Colour coordination

The upholstery can be colour coordinated to suit the interior aspects and design of your dental clinic from four themes: Warm, Cool, Earth and Vitamin; and from two upholstery styles: seamless and luxury.

### [Seamless]

#### Warm Colour

Coral Pink /ES20	Light Pink /ES30	Beige/ ES21
Camel /ES14	Bordeaux /ES 12	Black/ ES8



#### Cool Colour

Mint Blue /ES5	Indigo Blue /ES25	Light Blue /ES16
Purple /ES26	Light Gray /ES33	Gray Teal /ES28



#### Earth Colour

Rose /ES34	Mauve /ES27	Forest /ES31
Aldo Blue /ES23	Ash Gray /ES32	Chocolate /ES 11



#### Vitamin Colour

Scarlet Red /ES24	Mandarin Orange /ES22	Lemon Yellow /ES2
Yellow Green /ES18	Sky Blue /ES7	Blue /ES29



### [Luxury]

Black /SH1	Dark Blue /SH9	Maroon /SH7	England Green /SH18	Orange /SH22	Camel /SH10	Mustard Yellow /SH6	Ivory /SH15
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Select a Eurus unit that's best suited to the specific needs of your clinic and patients from a wide range of options.



## Variations

Conceptualised by Belmont to capture essences of cleanliness, tenderness and supreme ergonomics, the Eurus Series presents a comprehensive range of stools, dental chair units and dentist tables to accommodate the individual requirements of you and your dental team as well as patients.

With a proud and distinguished heritage in the dental industry, Belmont prides itself on creating innovative products that are conceived through a deep understanding of the professional and treatment requirements of dentists and dental assistants, and the expectations of your patients. Our appreciation of established and emerging technical demands and dental procedures, and the anxiety experienced by many patients, are also reflected and inherent in every equipment concept to make the delivery of treatments, and a visit to the dentist, as pleasurable and comfortable as possible.

## S8 Standard

[ Chair ]  
Contour Chair

[ Unit Mount Type ]  
Rotation Cuspidor & Base Mount Dr. Table  
Rotation Cuspidor & Cart

[ Delivery Type ]  
Holder/Place

[ Light ]  
Unit Mount LED Light



### S8 VacPac

[ Chair ]  
Contour Chair

[ Unit Mount Type ]  
VacPac & Base Mount Dr. Table  
VacPac & Cart

[ Delivery Type ]  
Holder/Place

[ Light ]  
Unit Mount LED Light



### S8 Without Cuspidor

[ Chair ]  
Contour Chair

[ Unit Mount Type ]  
Base Mount Dr. Table  
Cart

[ Delivery Type ]  
Holder/Place

[ Light ]  
Unit Mount LED Light



# the clesta ell swing



# Basic, Light, and Flexible

## Basic

- Easy changeover to right/left handed use
- Easy-access handpiece holders
- Compact space
- Smooth tilting movement by hydraulic system
- Ergonomically shaped cushions

## Light

- Base-mount doctor table can be moved lightly and smoothly
- Reducing fatigue for arms of dentists and assistants and leads to prolonged working lifetime
- Fitting position with precise movement by light headrest

## Flexible

- Making comfortable operating space
- Providing a variety of operating styles and preparation zones as you like



## Light as Air

The doctor table is simple and practical to use. It can be moved lightly and easily.

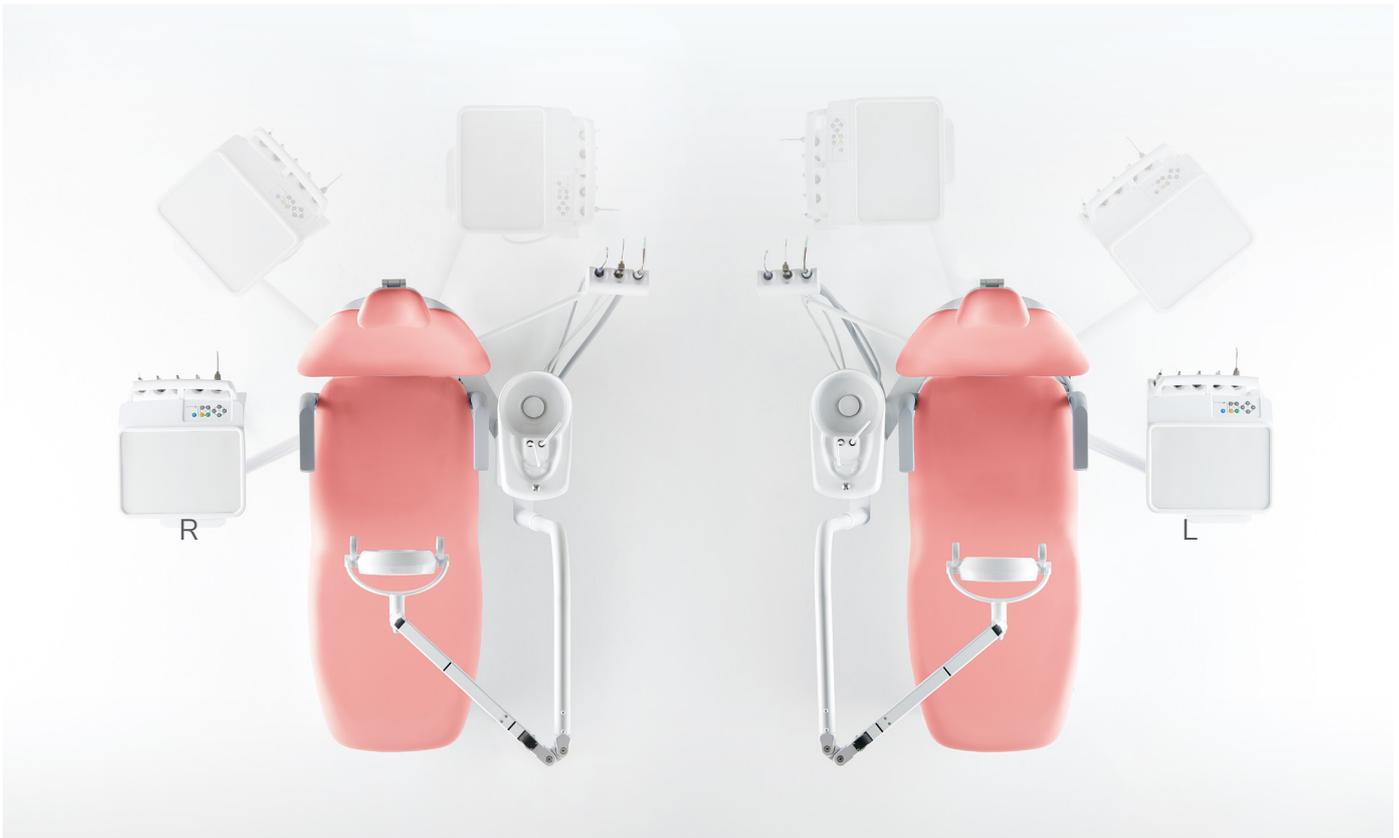


## Just “SWING it” to Right/Left Handed Use

This model provides two- and four-handed working positions and various operation and preparation zones.

Ambidextrous changeover is easy and takes only a few minutes.

Dentists and assistants can position the doctor table and assistant holder as they like.

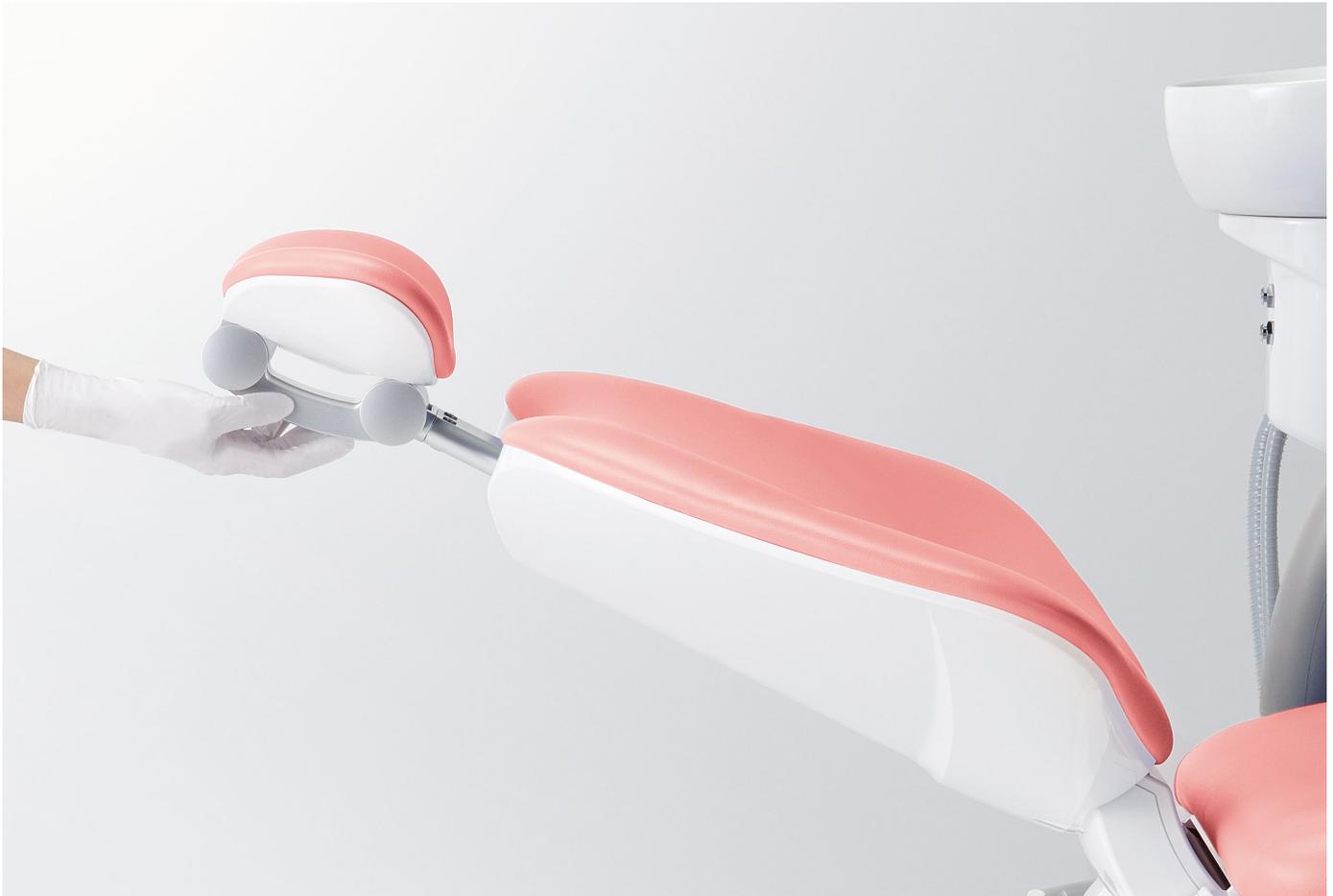


### Fit your position

The doctor table can be adjusted with three-level height and each dentist can position it appropriately.

## Smooth and Relax

The hydraulic mechanism ensures smooth and quiet movement of the joints and provides a comfortable feeling for patients. The new twin-axis headrest system, capable of making a wide range of adjustments, can be fine-tuned in increments of 7.5 degrees, accommodating patients from children to adults. The chair has a low initial height with 200kg load capacity.



### Rotating armrests

The armrests are designed with a length and shape that make it easy for patients to hold, and the side-rotating mechanism helps elderly patients mount and dismount the chair with ease.

# Dental Light



## EURUS LIGHT

The EURUS LIGHT provides sensor activation, stepless intensity between 3,000 lx and 28,000 lx, reproduces natural light with a high functional color rendering capacity.



## Detachable light components

Lens cover and autoclavable light handle can be removed with a single lever action for easy cleaning.



# Specifications

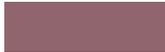
● Standard | ○ Selectable

Chair	
Twin-axis headrest	●
Armrest at both sides rotated	●
8-way foot switch (Manual/Auto)	●
Dentist Element	
Air turbine/air motor for Midwest 4-holes turbine hose	○
Air turbine/air motor for Midwest 4-holes turbine hose with fiber optic	○
Electric micromotor	○
Electric scaler	○
3-way syringe	●
Membrane switch (Chair Auto/Manual, Cupfiller)	●
Small size operator's table with silicon mat	●
Foot controller	●
Foot controller with chair foot switch	○
Clean water system	○

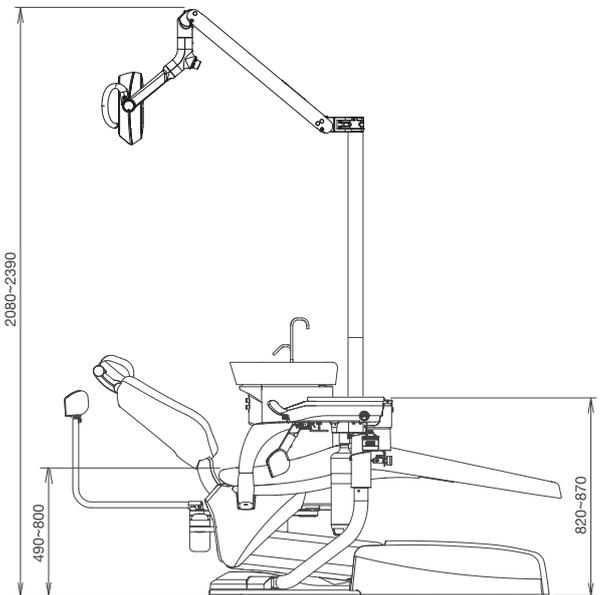
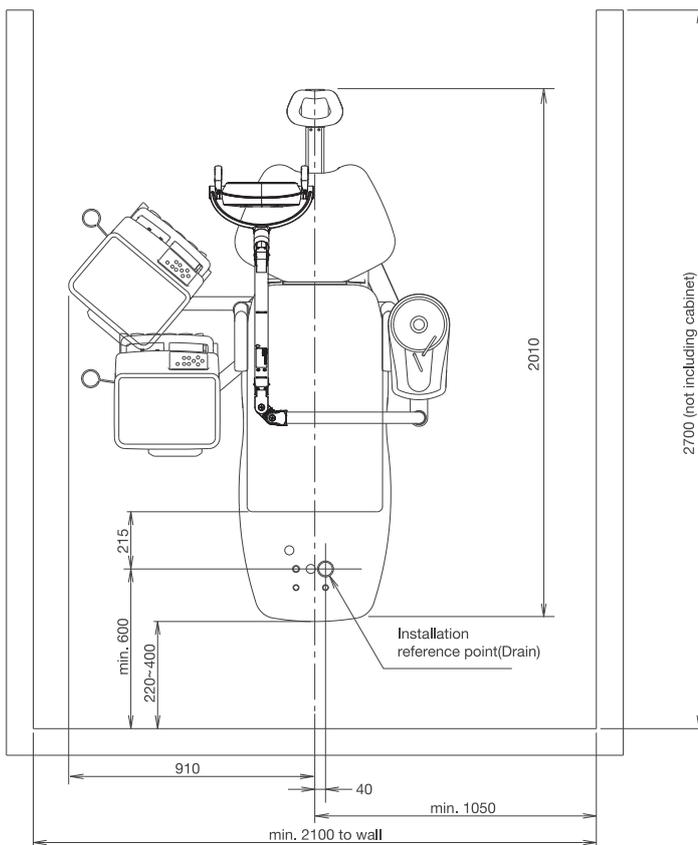
Assistant Element	
High-volume evacuator & saliva ejector handpiece	●
3-way syringe	○
Cuspidor Element	
Air timed cupfiller & bowl flush	●
Water heater	○
Monitor bracket	○
Water service outlet	○
Air service outlet	○
Light	
EURUS LIGHT	●

# Upholstery Colour Options

The colors come in four themes: warm, cool, earth and vitamin. Any choices from these leather colors should match the interior appointments of your clinic.

<b>Warm Color</b>	 Coral Pink/ES20	 Light Pink/ES30	 Beige/ES21	 Camel/ES14	 Bordeaux/ES12	 Black/ES8
<b>Cool Color</b>	 Mint Blue/ES5	 Indigo Blue/ES25	 Light Blue/ES16	 Purple/ES26	 Light Gray/ES33	 Gray Teal/ES28
<b>Earth Color</b>	 Rose/ES34	 Mauve/ES27	 Forest/ES31	 Aldo Blue/ES23	 Ash Gray/ES32	 Chocolate/ES11
<b>Vitamin Color</b>	 Scarlet Red/ES24	 Mandarin Orange/ES22	 Lemon Yellow/ES2	 Yellow Green/ES18	 Sky Blue/ES7	 Blue/ES29

# Dimensions



# tb compass

Ample access for an Assistant working closely over the Patient from the 2-5 o'clock position

Rotating, detachable porcelain spittoon bowl (colour options available)

Extendable, rotating Assistant's console with chair, spittoon and light controls

Twin-articulating headrest and ultra-slim backrest significantly improve Operator's working comfort

Operator console key features ~  
4 programmable Operator settings  
Digital display  
First-priority handpiece selection  
Digital timer  
Preset micro-motor  
Torque control with Auto-Reverse  
2 fibre-optic Turbine hoses

Control

Operator's console rotates smoothly on a base-mounted arm designed for precise and balanced positioning

Central pivot design enables unobstructed access at any working position

**Control and discretion** are the finest traits of the tbCompass delivery system. An intelligent delivery solution which seeks to conceal the instruments from Patientview without comprising working comfort. Designed for uninterrupted dentistry in the most demanding surgery environments, tbCompass is pointing to the future.

## Ambidextrous delivery options for better daily dentistry

Unrivalled console mobility and tbCompass's determined versatility bring all the benefits of convenience, flexibility, efficiency and Patient comfort.

Belmont's base-mounted delivery system design is an understated advancement in dentistry and Patient care.

Ambidextrous capability across the range doubles the qualification of tbCompass in any configuration to perform excellent service for any Operator and procedure.

### Key Features

- Ambidextrous
- Below-the-Patient swing-arm delivery system
- Ideal console arrangement for Assistant's 'preparation zone'
- Vac-Pac Systems option
- Mobile delivery systems option
- Air and Electric operation system
- Seamless or Plush upholstery option
- Standard or Ultrasoft upholstery colour options

**tbCompass 'Surgery System' (Ambidextrous)**



**tbCompass 'Flexible Dr System' (Ambidextrous)**

chair and Operator's console



**tbCompass 'Flexible Cuspidor System' (Ambidextrous)**

chair and Operator's console



# compass

Complete package (unit, patient chair, assistants holder & LED overhead light)

## Package Inclusions

- Central HVE & SE with cut off valve
- 2 x DCI 3-way syringe provision
- 2 x fibre optic tubing
- 1 x NSK NLX nano provision
- 1 x NSK varios 170 scaler provision
- Installation - 2.0L bottle
- ratchet gear arm
- service outlet for water & air
- male connector for water & air
- swing arm (w/monitor hole, w/out cap)

### tbCOMPASS chair

- Twin axis headrest
- Left & right armrest with foot switch
- Colour: 2/ES8 black, 2/ES8 black



tb  
**compass**

unit, chair and assistants' holder

## Package Inclusions

- Dental unit & chair tbCOMPASS 230V/50HZ for flexible DR system without cuspidor unit
- Holder type handpiece
- 1 x DCI 3-way syringe provision
- 2 x fibre optic tubing
- 1 x NSK NLX nano provision
- 1 x NSK varios 170 scaler provision
- Installation - 2.0L bottle

### tbCOMPASS chair

- Twin axis headrest
- Left & right armrest with foot switch
- Colour: TBA, Other specifications are as per factory default
- D.C.I 3way syringe (3439)
- Cover hose
- Spacer



# the clesta eIII



## variations



Holder type



Rod type



Cart Holder type



## best entry model for universities

Since 2013, CLESTA eIII has been installed  
in over 974 units in 27 universities.

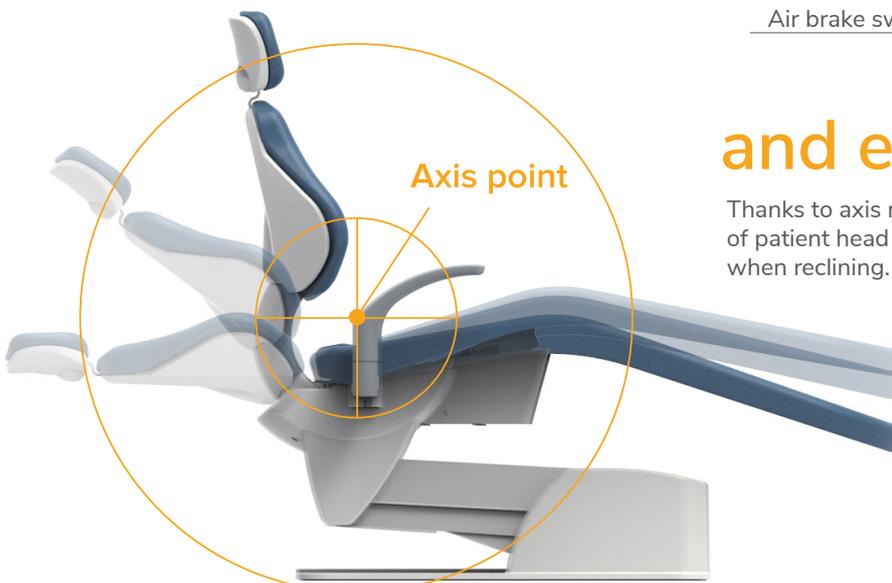
## it's simple

That's why it's friendly to everyone.

Simplified design provides ease of handling ,  
enhancement of durability and reduces the complexity of  
repairment.

During a treatment, dentists can access any operation  
easily with the simplified membrane switch and the  
flexible balance arm/operators table for HP.

High durability helps to reduce defects and time to come  
there for repairing.



## and ergonomical

Thanks to axis mechanism of the chair, position  
of patient head and headrest synchronized  
when reclining.

## options and accessories



### Flushing tray

The flushing system enables easy cleaning of handpiece water lines. The flushing tray as an extra option allows hands-free flushing.



### Monitor bracket

The flat screen monitor bracket can be adjusted to suit individual need. (not including monitor)



### Clean water system

The clean water system offers a choice of 750-ml or 2-litre bottles and can be integrated into the unit to supply handpiece water. The aesthetic cover is an extra option.



### Rotating armrest

A swing-out armrest for the right side makes it easy for patients to hold and helps elderly patients mount and dismount the chair with ease.



### Assistant's console

Assistant sub-tray increases assistant's work efficiency. (Metal sub-tray is not included.) Moreover, curing light holder enhances the operability of the curing light. HVE tips and SE tip are optional.



### Double articulating headrest

Suitable for children and adults, and it's improved to adjust patient positioning easily.

# unit and chair

## Cuspidor

Easy-to-clean porcelain cuspidor bowl is shaped to prevent rinsing water from spilling out.

## Chair

- Powerful hydraulic system enables a wide range of lift heights.
- Ergonomically designed chair cushion ensures patient comfort. The reclining backrest is designed to prevent the patient from sliding.



## Balance arm

Employing an air brake system, the balance arm enhances mobility and flexibility during dental practice.

## Operator's table

Large operator's table ensure ease of use. Swivelling hardpiece holder for most appropriate position for dentist.

# light



## 300 LED LIGHT

The 300 LED light provides sensor activation, stepless intensity between 3100 lx and 28000 lx, three axis rotation and clear light pattern



## Flexible Lighting

The Belmont spring arm allows the light to be moved around and stay exactly where it is desired so that the dentist/dental assistant can start treatment smoothly. The arm covers a wide area, including the maxillary and mandibular areas of the patient, for sufficient illumination.



## Monitor bracket

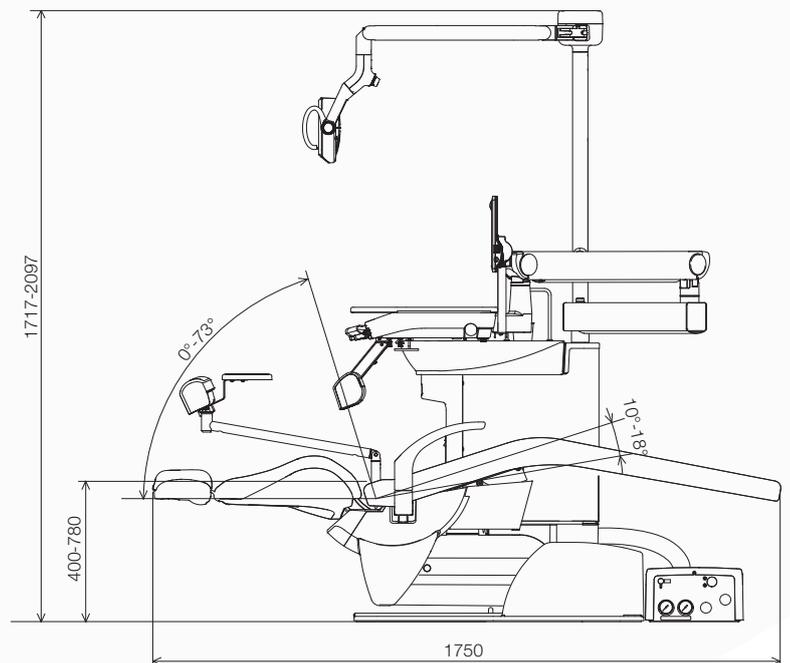
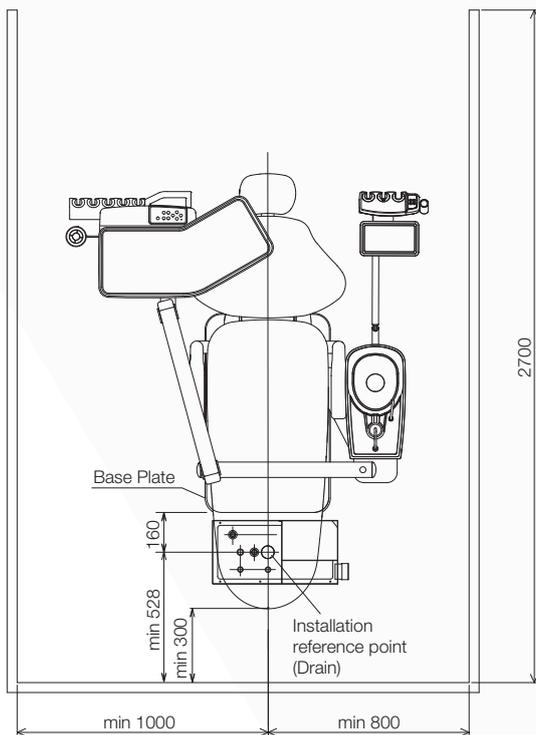
The flat screen monitor bracket can be adjusted to suit individual need. (not including monitor)

# compact design

Fit to various type of operator



# dimensions



# the clesta II



# variations

## Chair Mount -original-

Over-patient versatility for comfortable single- and four-handed working positions. Ergonomic and hygienic features are standard on all CLESTA II treatment centres.

Shown as

- Unit : CLESTA II
- Chair : CLESTA II CHAIR
- Light : 900 LED LIGHT



## Pedestal -CLAIR-

Pedestal type cuspidor unit has no umbilical; this eliminates the need for a utility box, contributing to a tidier appearance and easier cleaning.

Shown as

- Unit : CLESTA II
- Chair : CLAIR CHAIR



Utility box for pedestal type



Pedestal type / Cart



## Axis backrest

Synchronized axis backrest ensures optimum patient comfort at all times. Ultra slim backrest for ease of access for both operator and assistant.



## Adjustable chair positioning

A wider range of movements offers a practical working environment that meets all the operators' requirements.



## Durable diecast base

The sleek styling of the durable aluminium diecast base offers the dentist improved access with maximum chair stability.



## Service centre

The built in service centre eliminates the use of external umbilical hoses.

## Intuitive Control - technology you can rely on

E Type Electric Type Control Panel



- |                                       |                                  |
|---------------------------------------|----------------------------------|
| 1 Power Indicator                     | 9 Decreasing Switch              |
| 2 Safety Lock Indicator               | 10 Increasing Switch             |
| 3 Coolant Water ON/OFF Switch         | 11 Chair Auto Mode Switches      |
| 4 Light Pack Switch                   | 12 Chair Manual Control Switches |
| 5 Micromotor Speed Setting Switch     | 13 Cupfiller Switch              |
| 6 Micromotor Direction Control Switch | 14 Bowl Flush Switch             |
| 7 Function Switch                     | 15 Dental Light Switch           |
| 8 Store Switch                        | 16 Function Indicator            |

### Function Switch ( E Type )

TIMER SET  
d=START

**Timer**  
Timer set for alarm.

ALARM TYPE=0 F=↓  
PUSH 0 1 2 LP(3)

**Electronic sound for timer**  
4 electronic timer sounds to choose from.

Dr. NUMBER =0 ↓

**Group selection mode**  
Preset position for chair and preset rotation speed for micromotor can be set for 4 individual dentist.

M.LMT=3 STEP F=↓  
(-)=3 (+)=5 STEP

**Micromotor maximum speed setting (optional)**  
The maximum rotation speed of the micromotor can be selected in 3 steps or 5 steps.

FLUSH OUT F=↓  
WITHOUT

**Flushing system**  
The E type is available with a short and long time flushing system.

SPRAY=4MODE F=↓  
(-)=2 (+)=4 MODE

**Coolant water ON / OFF switch**  
When using micromotor(s), either 2-mode or 4-mode of coolant water can be selected by mode select setup.

Beep=ON F=↓  
(-)=OFF (+)=ON

**Control panel switching sound ON / OFF**  
Sound can be deactivated.

B\*0=LINK F=E  
(-)=IND (+)=LINK

**Cupfiller and bowl flush**  
Select cupfiller and bowl flush to operate together or independently.

LP.MODE=HOLD F=↓  
(-)=FOOT(+)=HOLD

**Fiber optic handpiece lighting mode (optional)**  
Handpiece lighting mode can be chosen.

### Digital Indicator ( E Type )

No1 SET1 100  
10000RPM

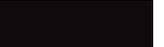
**Micromotor mode**  
The micromotor rotation speed can be selected by sliding the foot controller pedal right or left. Rotation speed is displayed.

No4 SCALING  
■■■■■■

**Scaler mode**  
Easy to confirm which mode of scaling has been selected (scaling, end, perio). Power output is displayed.

# Upholstery Colour Options

The colors come in four themes: warm, cool, earth and vitamin. Any choices from these leather colors should match the interior appointments of your clinic.

Warm Color	 Coral Pink/ES20	 Light Pink/ES30	 Beige/ES21	 Camel/ES14	 Bordeaux/ES12	 Black/ES8
Cool Color	 Mint Blue/ES5	 Indigo Blue/ES25	 Light Blue/ES16	 Purple/ES26	 Light Gray/ES33	 Gray Teal/ES28
Earth Color	 Rose/ES34	 Mauve/ES27	 Forest/ES31	 Aldo Blue/ES23	 Ash Gray/ES32	 Chocolate/ES11
Vitamin Color	 Scarlet Red/ES24	 Mandarin Orange/ES22	 Lemon Yellow/ES2	 Yellow Green/ES18	 Sky Blue/ES7	 Blue/ES29

## Light



### 900 LED Light

The 900 LED light provides sensor activation, stepless intensity between 4000 lx and 35500 lx, fluid three axis rotation and clear light pattern with high color rendering.

## Options & Accessories



Flush out tray



Flat screen monitor bracket (not including monitor)

# Instrument Delivery



Holder



E Type



Rod

E Type

# Unit



## Integrated cuspidor

The highly durable integrated cuspidor creates an attractive, aseptic environment for the patient and the smooth surface makes it easy to clean. Detachable glass bowl is durable, transparent and easy to clean.



## Operator's table

Incorporating holder type instrumentation with "first priority system"\*, the operator's table is adjustable both vertically and horizontally to give optimal positioning.



## Assistant's console

The assistant's console includes 3-way syringe, vacuum and saliva ejector tubings, and easy clean membrane switches to control chair movements, cuspidor bowl flush and cupfiller.

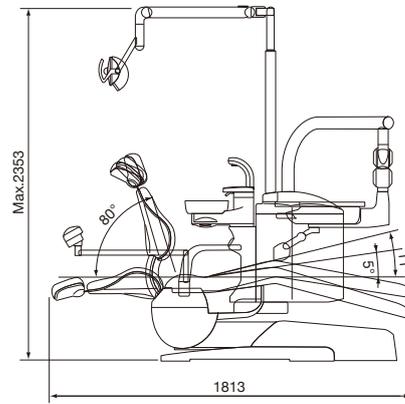
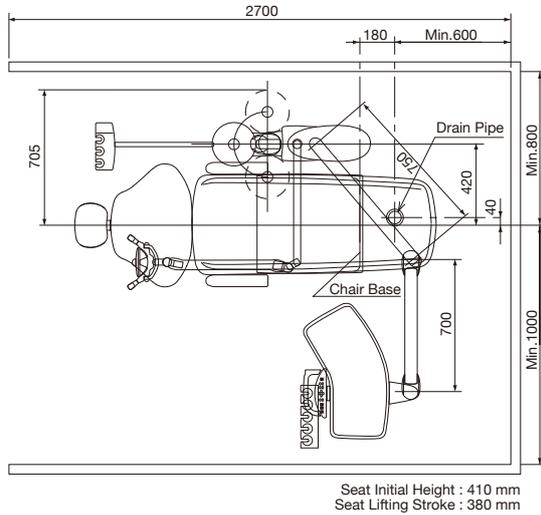


## Foot control

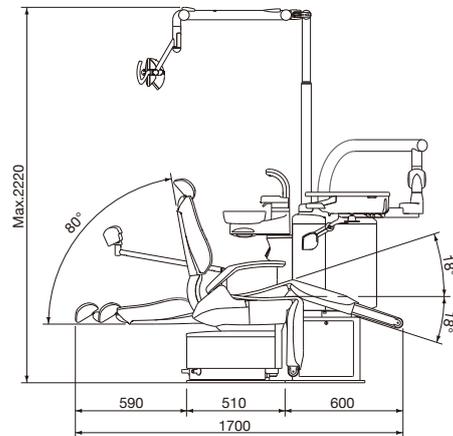
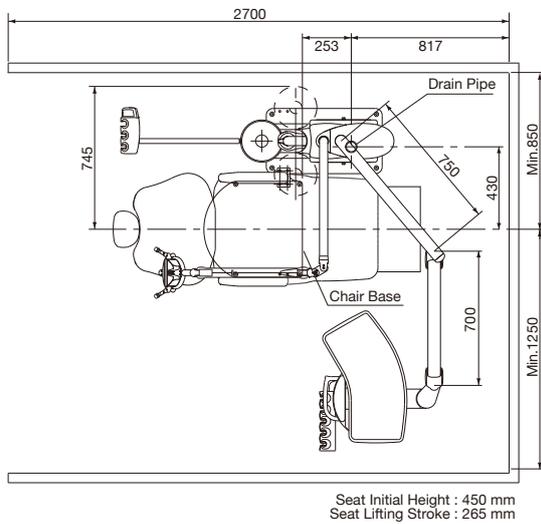
A2(control of air instruments, water on/off and chip air) for A type. SE(control of air instruments, water on/off, chip air and control of electric motor/scaler) for E type. Foot controller with handle is available as an option.

# Dimensions

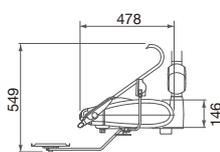
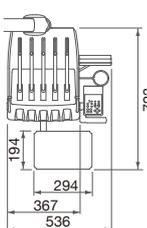
## ■ Chair Mount -original-



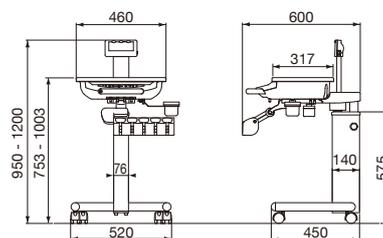
## ■ Pedestal -CLAIR-



## ■ Rod Type



## ■ Cart Type



- Names of Components
- Dental Unit : CLESTA II
  - : CELEB
  - Dental Chair : CLESTA II CHAIR
  - : CELEB CHAIR
  - : CLESTA II CHAIR (EURUS TYPE)
  - : CELEB CHAIR (EURUS TYPE)
  - : CLAIR CHAIR
  - Dental Light : EURUS LIGHT
  - : 900 DENTAL LIGHT TYPE 920
  - : 900 DENTAL LIGHT TYPE AL-920
  - : 300LED DENTAL LIGHT TYPE 320S
  - : DENTAL LIGHT MODEL 720S

# eurus

# swivel chair

**EURUS SWIVEL CHAIR** allows patients to enter and exit the chair with an experience similar to sitting in a home armchair. The unique design is ideal for face-to-face consultation and communication between dentist and patient, permits direct frontal access to patients for treatment procedures.

## features



With the legrest folded away, dentist and patients can interact more comfortably during face-to-face consultation and treatment procedures that may require direct frontal access, such as in cosmetic and orthodontic dentistry and for the assessment of jaw alignment.



The chair rotates on its base left-to-right so patients can be repositioned for taking X-rays for treatment procedures. The chair's small footprint in the upright position requires less space within the surgery.



### Synchronised Seat Motion

Synchronised shockless movement of the backrest, seat and legrest enhance patient comfort as they are positioned for treatment. As the backrest reclines, the seat tilts backward and the legrest slides outward to provide support for the patient's legs.



### Chair Rotation

The chair rotates 105 degrees to the left & right on each side of center, and patients can be repositioned as needed so that treatment and consultation can be done at an appropriate position.



### Armrest

Armrest rotates outward to provide excellent access for patients when entering or exiting the chair. With the chair base bolted to the floor for maximum stability, armrest can provide support for patients when being seated and when getting up from chair.



### Headrest Choices

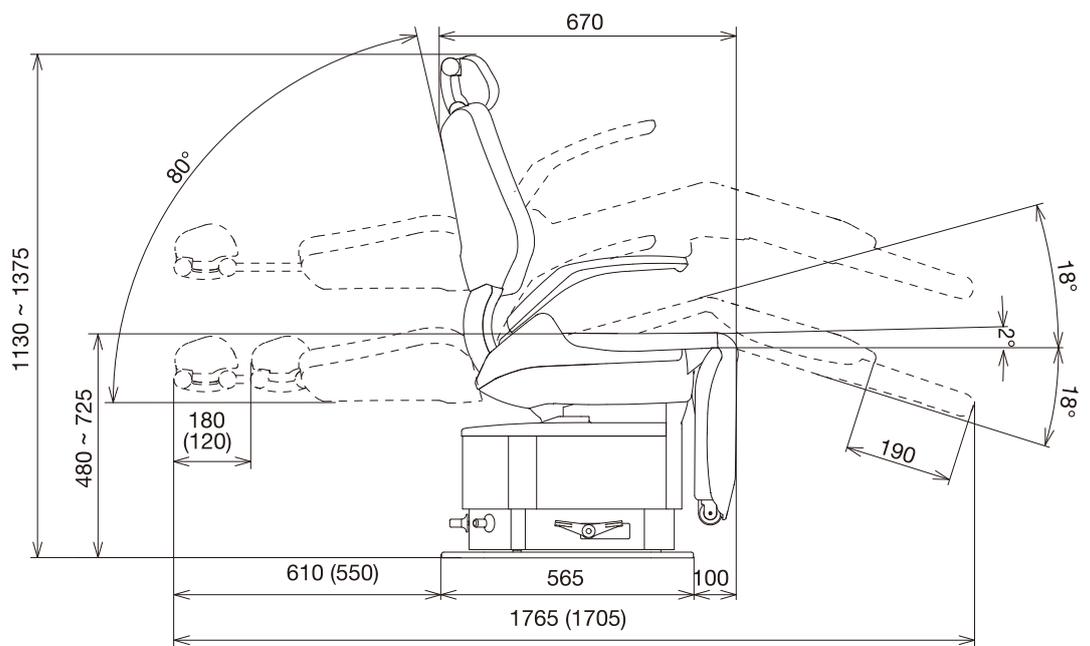
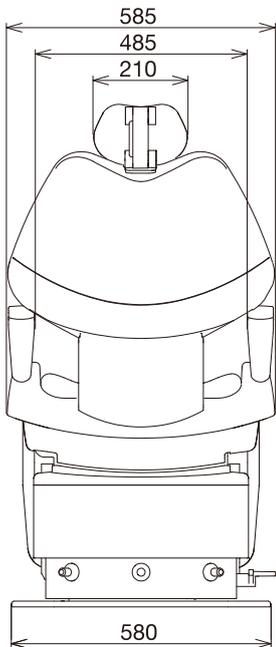
The double articulating headrest version is manually adjustable and provides a wide range of positioning flexibility for superb access to patient maxillary and mandibular arches for examination and treatment. The power headrest version permits hands-free positioning of the patient's head for examination and treatment.



## Seat Positioning Controls and Rotation Lock

Foot activated stick switches are integrated into the doctor and assistant side of the chair base for convenience and ease of seat positioning, without the need to resort to a wired external foot control. A pivoting foot pedal located on the side of the chair base is utilised for hands-free locking/ releasing of chair rotation.

## dimensions



# Knee-break -Chair-



## Folding legrest chair

Slim, yet comfortable backrest and chair enable easy access to the patients.



## Armrest

Swing-out armrest allows the elderly, handicapped, and wheelchair patients to enter and exit the chair safely and with ease.



## Chair stick switch

The stick switches enable the operator to position the patient quickly and accurately, keeping hands-free and clean.

## Axis backrest

The ergonomic, axis mechanism backrest supports the patient comfortably and accommodates the natural movements of the patient's body.



# a spectrum of upholstery colours

to set your dentistry mood



## Warm Colours

Coral Pink/ES20

Light Pink/ES30

Beige/ES21

Camel/ES14

Bordeaux/ES 12

Black/ES8

## Cool Colours

Mint Blue/ES5

Indigo Blue/ES25

Light Blue/ES16

Purple/ES26

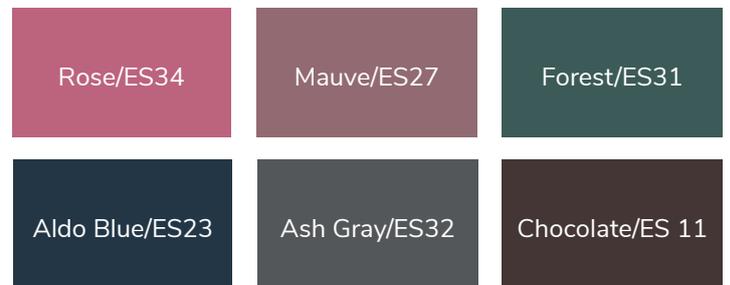
Light Gray/ES33

Gray Teal/ES28





## Earth Colours



## Vitamin Colours



# dental light 900

Correct Color Rendering  
Easy On The Eyes  
Easy Operation

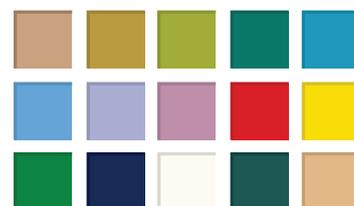


## 900 DENTAL LIGHT

provides cool white LED illumination of the oral cavity for correct tooth shade matching and for the differentiation of soft tissue structure.

The well-defined, 85mm x 155mm rectangular light pattern remains unaffected when an obstruction of up to 50% of light head is placed between the light and patient.

900 DENTAL LIGHT operation is sensor activated so it is not necessary to look away from patient to operate light. Touchless ON/OFF and Composite Safe Mode activation are done without ever contacting the light.





### Long Life

With LED bulb life expectancy of 40,000 hours, it is likely that bulb replacement will never be needed.



### Economical

Low power consumption and no heat generation add to long term savings and to patient comfort.



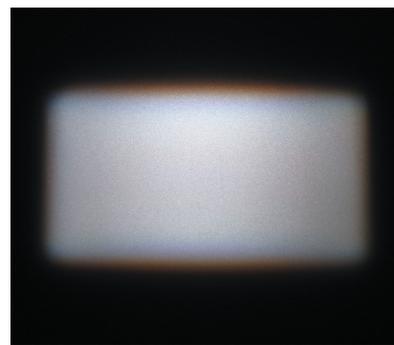
### Cleaning

Clear bulb cover ring prevents mists and dust from getting inside of the light head. The entire light head is easily cleaned.

## features

### Brightness distribution

900 DENTAL LIGHT is engineered to minimize eye fatigue. The rectangular light pattern is brightest inside of the oral cavity and gradually becomes less bright across the patient's cheek area.



### Fluid positioning

Smooth, three-axis light head rotation permits stress-free light head positioning with one hand. Positioning flexibility directs illumination to area where it is needed.



### Intensity adjustment

Each operatory has different ambient light conditions. With this in mind, 900 DENTAL LIGHT lights include a stepless intensity control to adjust brightness to fit the actual operatory light condition. Light output can be adjusted between 4,000 lx and 35,500 lx, while maintaining the 5,000°K colour temperature that is ideal for shade matching.



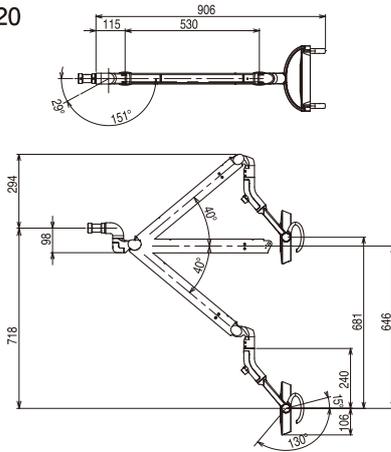
## installation variations



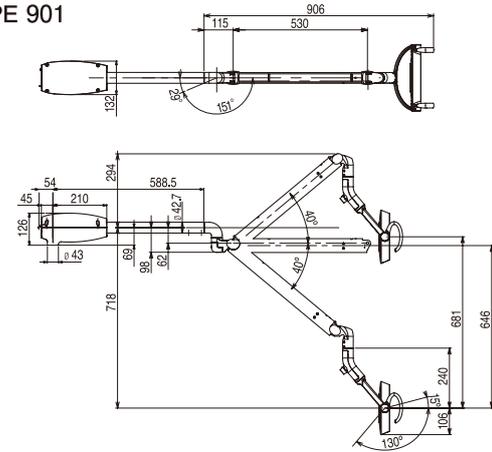
(post not included)

# dimensions

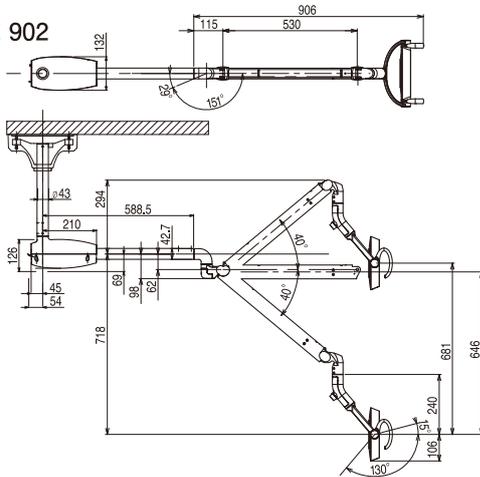
TYPE 920



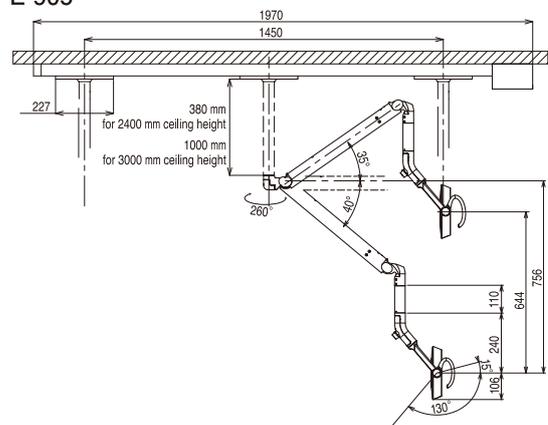
TYPE 901



TYPE 902



TYPE 905



# specifications

<b>Rating Voltage</b>	100~240V 50/60Hz (AL920:DC20V)	<b>Colour rendering index</b>	More than 90
<b>Intensity</b>	4,000 ~ 35,500 lx (Stepless)	<b>Focal Distance</b>	650 mm
	5,500 lx at composite safe mode	<b>Light pattern</b>	85mm x155mm
<b>Colour temperature</b>	5,000° Kelvin at any intensity	<b>Bulb Type</b>	High Rendering LED

The manufacturers reserve the right to alter and improve the specification without notice.

# Phot-XIIS

DC DENTAL X-RAY



# Premium

## LCD touchscreen sub-controller



### Intuitive and easy selection

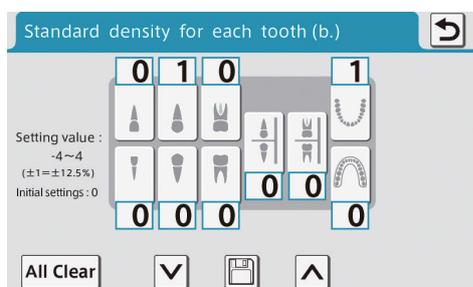
Intuitive and easy selection of tooth type, cone type, film / digital modes, film speed, kV, mA and patients size.

### Customizable LCD display view

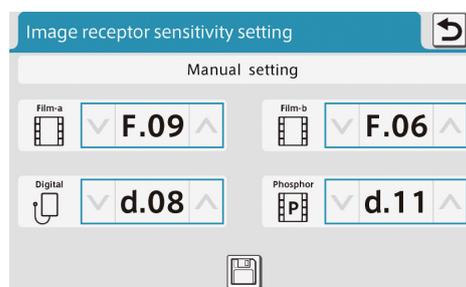
LCD display view can be customized for operator preference. Built-in USB side port enables operators to import personalized screen saver photographic images or dental practice / doctor's name for practice identification and branding.

- (A) Sum of radiation dose display**  
Check the radiation dose of each patient. Reset the sum by keeping touch the sum number.
- (B) Display of exposure time**  
Change the exposure time easily by touching the arrow and obtain the image you desire.
- (C) Display of radiation dose of each exposure.**

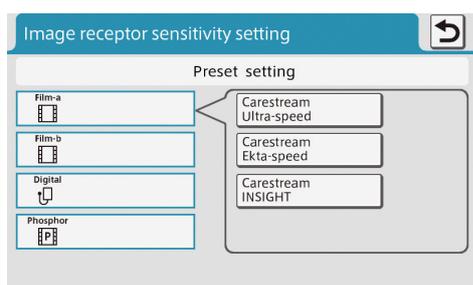
### Sensitivity setting



Select your image receptor on the screen, then suitable sensitivity setting will be selected from 16 steps automatically.



If the darker (or lighter) radiographs are preferred, the sensitivity setting can be adjusted manually



### Tooth density

Tooth density ratio settings can be adjusted from the default setting for each tooth

# Reliable DC X-ray by Belmont

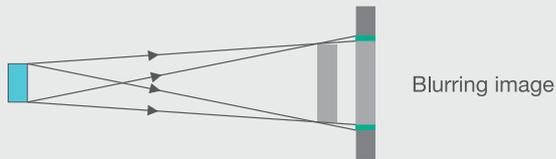
## Belmont's High Frequency Technology allows for

- High resolution image by a small focal spot
- Reduced skin dosage with optimum radiation level for every diagnostic need
- Easy to position compact tube head
- Ideal matching for digital imaging system

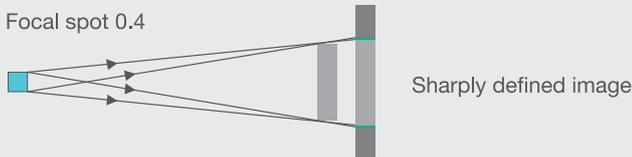


## Features

Small 0.4 focal spot value for the sharpest image possible



Focal spot 0.4



### Radiation dosage

PHOT-XIIS utilizes a Direct Current (DC) generator to minimize radiation absorbed by patients. In addition, there are 36 programmable exposure time settings between 0.01 to 2.0 seconds to fine tune the precise amount of radiation required to produce an excellent radiographic image.

Easy to position compact tube head



The tube head is compact and easy to handle. This enables the tube head to be positioned easily.

Realization of slim and light arm



Our spring arm is designed to have a good balance in any position within the movable range and make it easy to hold at any point when the hands are released. Moreover, the spring helps to reduce the vibration of the tube head after exposure. These methods realize the smooth and easy positioning.

**Standard** Sub-controller



head

is lightweight,  
easy to hold.  
operator to align  
accurately every time.

arm



Light head, smooth movement

ce with load and repulsive force at  
t possible to make tube head stay  
ver, well balanced rigidity design  
er positioning.  
ioning of the tube head.

### Optimum radiation level for every patient

The operation is simple. Select patient type and tooth type, then press the exposure switch. The exposure time can also be adjusted manually. After the exposure, the radiation output can be displayed in the window.

### Tube voltage selection

PHOT-XIIS provides 2 tube voltage settings to optimize imaging for specific purposes:

[60 kV Setting]

- Setting provides balanced contrast for general caries diagnostic imaging.
- Setting provides excellent definition and detail for periapical and bone structure diagnostic imaging.

[70 kV Setting]

- Setting provides excellent diagnostic imaging for periodontal disease examination.
- Setting provides a wider latitude and longer gray scale.

# Five types of installations

- **WK** Wall mounted type
- **RK** Room type with stool
- **FM** Mobile type with castors
- **FK** Floor mounted. Sub-controller can be installed on the pole (FK1) or on the wall (FK2)
- **CK** Ceiling mounted type. Dental light can be mounted on the pole as an option (CKL Type)



- WK Type (Sub-controller can be mounted on the main controller or on the wall)

RK Type



FM Type

FK1 Type

CK Type

## Options

- Horizontal arm length of WK Type is selectable: 300mm, 500mm, 650mm, 800mm (standard) and 1000mm
- Ceiling pole length of CK / CKL Type is selectable: 600 ~ 1350mm
- Long cone (Short cone + Long cone collimator) f or paralleling technique
- Rectangular collimator
- Hand exposure switch with coiled cord (Option for WK, RK, FK2 and CK. Standard for FM and FK1.)



Short cone + Long cone collimator



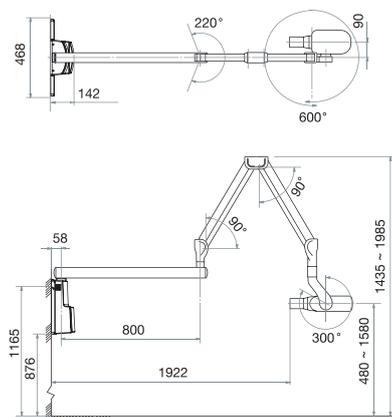
Short cone + Rectangular collimator



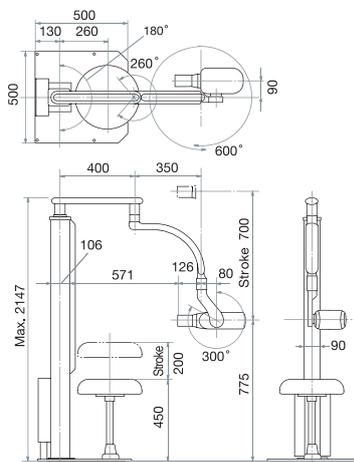
Hand exposure switch

# dimensions

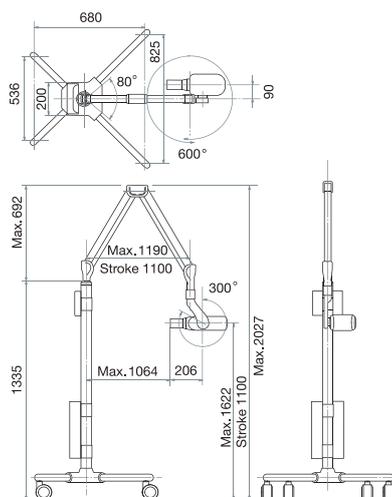
WK Type



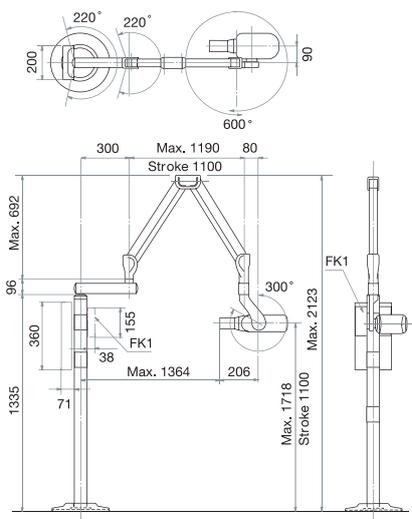
RK Type



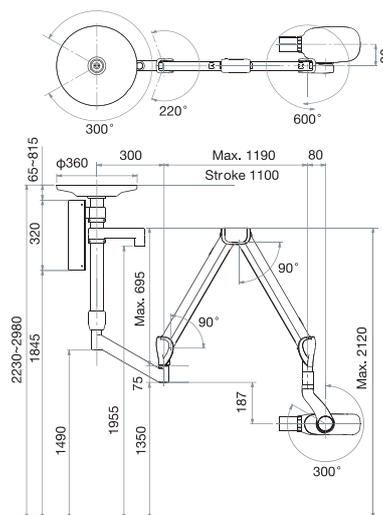
FM Type



FK1 Type



CK Type



[mm]

Nominal focal spot value	0.4 (IEC 60336)	
Rated tube potential	60 kV / 70 kV (selectable)	
Rated tube current	3 mA / 6 mA (selectable)	
Rated line voltage	100 / 110 / 120 / 220 / 230 / 240 V AC 50 / 60 Hz	
Rated line current (at 70 kV / 6 mA)	· 11.0 A (100 V)	· 10.5 A (110 V) · 10.0 A (120 V)
	· 6.4 A (220 V)	· 6.2 A (230 V) · 6.0 A (240 V)
Line voltage range	± 10%	
Exposure time	0.01 to 2.0 sec.	
Total filtration	2.0 mmAl Equivalent at 70 kV	
Source to skin distance (SSD)	Regular cone	203 mm
	Long cone (option)	305 mm
	Rectangular collimator (option)	SSD of cone + 40 mm
Duty cycle	1 : 30	
Half value layer	1.5 mmAl over	
Density preprogram	Film	16 programs
	Digital Sensor	16 programs

Names of Components

- Dental X-ray :PHOT-XIIS MODEL 505
- :PHOT-XIIS 505
- :PHOT-XIIs MODEL 505
- :PHOT-XIIs 505
- :PHOT-XIIs 505LCD
- :PHOT-XIIs MODEL 505 WITH ACCESSORIES

# Stools



# Doctor & Assistant Stool Package

## Comfort

Meets the needs of various treatment styles and supports healthy posture.



Doctor stool  
EURUS STOOL

- Seat height and tilt adjustment by gas cylinder.
- Bucket-shaped seat and backrest help treatment process over a long period.
- Tilt functions for backrest and seat are available. (Backrest and seat tilt separately.)
- Three casters with brakes prevent unexpected move.

[SPECIFICATIONS]

Model.....AH-012D  
Weight.....12 kg  
Initial height/stroke.....440/155 mm  
Tilt control of the seat and backrest.....Manual operation



Assistant stool  
DH-007N

- Seat height adjustment by gas cylinder.
- Smooth and light touch operation for seat height adjustment by hand lever.
- Simple and easy mechanism makes added flexibility possible.

[SPECIFICATIONS]

Model.....DH-007N  
Weight.....10 kg  
Initial height/stroke.....465/195 mm  
Armrest/backrest rotation.....360° by Manual operation

# Doctor & Assistant Stool Package (Cont)



## Backrest height choice

The height of backrest can be selected from 3 positions, 30 mm difference between each position, to support your healthy posture.



## Casters with brakes

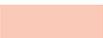
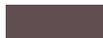
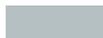
Brakes are available for 3 of the 5 casters to prevent the stool from moving unexpectedly when no load applied, which allows the doctor sit on the stool safely. When you sit on, the brakes will be unlocked. When you stand up, the brakes will be locked.

## Tilt control

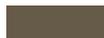
The seat and backrest tilt separately to maintain the ergonomic sitting posture. Seat tilt can be adjusted from horizontal to 9-degrees forward, sitting in ideal position to minimize pressure on thigh and support posture.

## Color variations

The colors come in four themes: warm, cool, earth and vitamin. Any choices from these leather colors should match the interior appointments of your clinic.

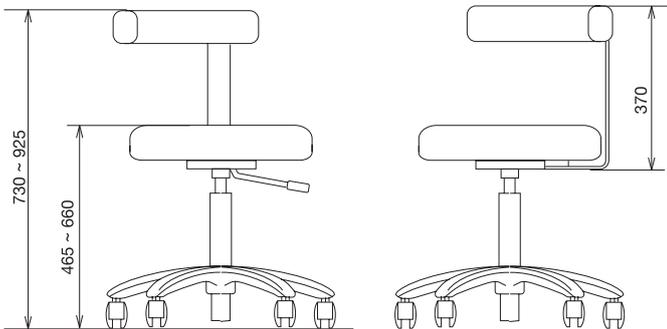
<b>Warm Color</b>						
	Coral Pink	Light Pink	Beige	Camel	Bordeaux	Black
<b>Cool Color</b>						
	Mint Blue	Indigo Blue	Light Blue	Purple	Light Gray	Gray Teal
<b>Earth Color</b>						
	Rose	Mauve	Forest	Aldo Blue	Ash Gray	Chocolate
<b>Vitamin Color</b>						
	Scarlet Red	Mandarin Orange	Lemon Yellow	Yellow Green	Sky Blue	Blue

### [ Luxury ]

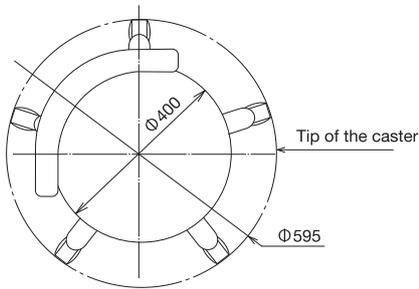
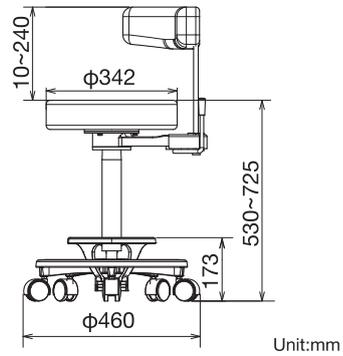
	
Black	Dark Blue
	
Maroon	England Green
	
Orange	Camel
	
Mustard Yellow	Ivory

## Dimensions

### DH-007N



### LS-007GSB



## Doctor Surgical Stool

### Comfort

Meets the needs of various treatment styles and supports healthy posture.



Doctor stool  
LS-007GSB

[SPECIFICATIONS]

Model.....	LS-007GSB
Weight.....	13 kg
Height.....	530mm-725mm
Base.....	Gas cylinder
Backrest.....	Standard



TAKARA BELMONT Dental Division

# Rise into beauty. Walk into life 100 years of Takara Belmont

Across all divisions of TAKARA BELMONT, we have tried to accurately read and reflect local market needs in new equipment.

Through our worldwide network of offices and subsidiaries, Takara Belmont continually monitors current industry and market needs as we strive to design and introduce high quality, creative products that help increase work efficiency and productivity.

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