

Dental Equipment

Made by hand and mind, in Japan

 **Belmont**



 Belmont

Beautiful, Healthier Lives

Belmont's innovations for dentistry stem from a long and withstanding heritage in the fulfilment of the human need for comfort and desire for beauty. Across the globe, this desire is deepening.



台車は配膳専用台車です。作業台車と

ピックアップ日	4/23
組立日	4/24
機種	① 5L-1L
台数	2台

Pictured: Mr. Atsushi Otani (大谷 篤), Chair Assembly group, Production division, Takara Belmont factory in Osaka

Made by hand and mind, in Japan

Since 1921 in Osaka, Japan, Takara Belmont has been casting metals for chairs. Almost one hundred years on, still in Osaka, we manufacture every piece of every chair and light or x-ray unit we deliver to market.

The provenance of our product is thus unquestionable, and the high quality of our products is maintained by the familiarity of eye, hand and mind that comes with our loyal workers. This gives us peace of mind before it gives you peace of mind.

For our long-standing factory managers, the tireless metalworkers and dedicated assembly-line technicians, the factory is a workplace where minds are relaxed and spirits are devoted.

Working More Precisely

Belmont's intelligent technologies and hygiene-conscious designs are brought to life by diligent assembly skills and thorough testing by familiar hands and the keenest eyes.

For the sake of a happy working environment the balance-arm ensures zero-drift during operation, delivering precision and stability to every light pattern and x-ray exposure.

**900 LED Series | 700 Series | 300 LED Series |
Belmont Touch | 097 Belray II**



Pictured: Ms. Yuki Mori (森由紀), Production division, Takara Medical Company factory in Hyogo

Operating Lights

Key features of the range:

- LED or Halogen options
- Shadowless light
- Touchless ON/OFF sensors
- Composite Safe Curing Mode
- Light intensity control
- Easy-clean, smooth surfaces
- Triple-axis head movement
- Zero-drift balance-arm
- Mounting options
- Retrospective-fitting option



Belmont defines 'well-defined'

The sharpest and whitest light pattern



900 LED Series delivers a natural white light at 5,000 Kelvin



Zero-drift balance-arm

85 x 155mm
rectangular light pattern,
at 650mm focal distance
delivers the whitest light
achievable

Light intensity is adjusted by stepless control on the 900 and 300 LED series, and by Low and High settings on the 700 Series. Increasing the distance slightly from the target will also dim and feather the light pattern. LED is 80% more energy-efficient than Halogen and has a 40,000 hour bulb life-expectancy.



Triple-axis head movement features on all Belmont lights



Even when the light head is positioned to the side of the target, a crisp, white light pattern can be achieved.

D- and U-handles ensure that re-positioning your light head is light work

The light pattern feathers as the distance to target increases

900 LED Series

Cool, compact, lightweight, fluid operation



Balance-arm ensures zero-drift and precise positioning



Triple-axis head movement – rotation, swivel and tilt



900 LED Series lights offer a performance level that advances light quality and working comfort into the future. The slender, circular head is easy to move, very easy to clean and a joy to operate by the touchless sensor and stepless intensity control dial.



Maximum compactness improves sight lines between dental teams



Stepless control of light intensity between 4,000 and 32,00 Lux

900 LED Series key technical features:

- 10 LEDs
- White natural beam (5,000 Kelvin)
- 85x155mm light pattern at 650mm focal distance
- Composite Curing Safe Mode (at 5,500 Lux)
- Auto ON/OFF with preset chair positions



Ten LEDs are encased behind a single-piece cover preventing mist from entering the light head, reducing the maintenance required

Rotating Patient mirror (option)



Forward-pointing D-handles maintain the 900's very compact form and enable re-positioning with a single finger during operation

Touchless sensor control eliminates infectious contact during operation and activates ON/OFF controls and Composite Safe Curing Mode

300 LED Series

Cool, neat, lightweight, fluid operation



Balance-arm ensures zero-drift and precise positioning



Triple-axis head movement – rotation, swivel and tilt



300 LED Series lights offer a performance level that advances working comfort into the future. The head is ambitiously lightweight and easy to move, easy to clean and a joy to operate by the touchless sensor and stepless intensity control dial.



Compactness improves sight lines between dental teams



Stepless control of light intensity between 3,100 and 28,000 Lux

300 LED Series key technical features:

5 LEDs

White natural beam (5000 Kelvin)

85x155mm light pattern at 650mm focal distance

Composite Curing Safe Mode (at 4,300 Lux)

Auto ON/OFF with preset chair positions

Five LEDs are individually encased preventing mist from entering the light head, reducing the maintenance required



Forward-pointing D-handles maintain the 300's very compact form and enable re-positioning with a single finger during operation

Large touchless sensor switch activates ON/OFF controls and Composite Safe Curing Mode, eliminating infectious contact during operation

700 Series – Halogen

Lightweight, responsive, stable delivery



Balance-arm ensures zero-drift and precise positioning



Triple-axis head movement – rotation, swivel and tilt



Traditional Halogen technology is reliable and the 700 is a classically elegant design solution. The compactness ensures the light head is easily manipulated and the neat, single piece lens is easy to clean.



Low / High / Composite Curing Safe Mode (flashing) light intensity indicators



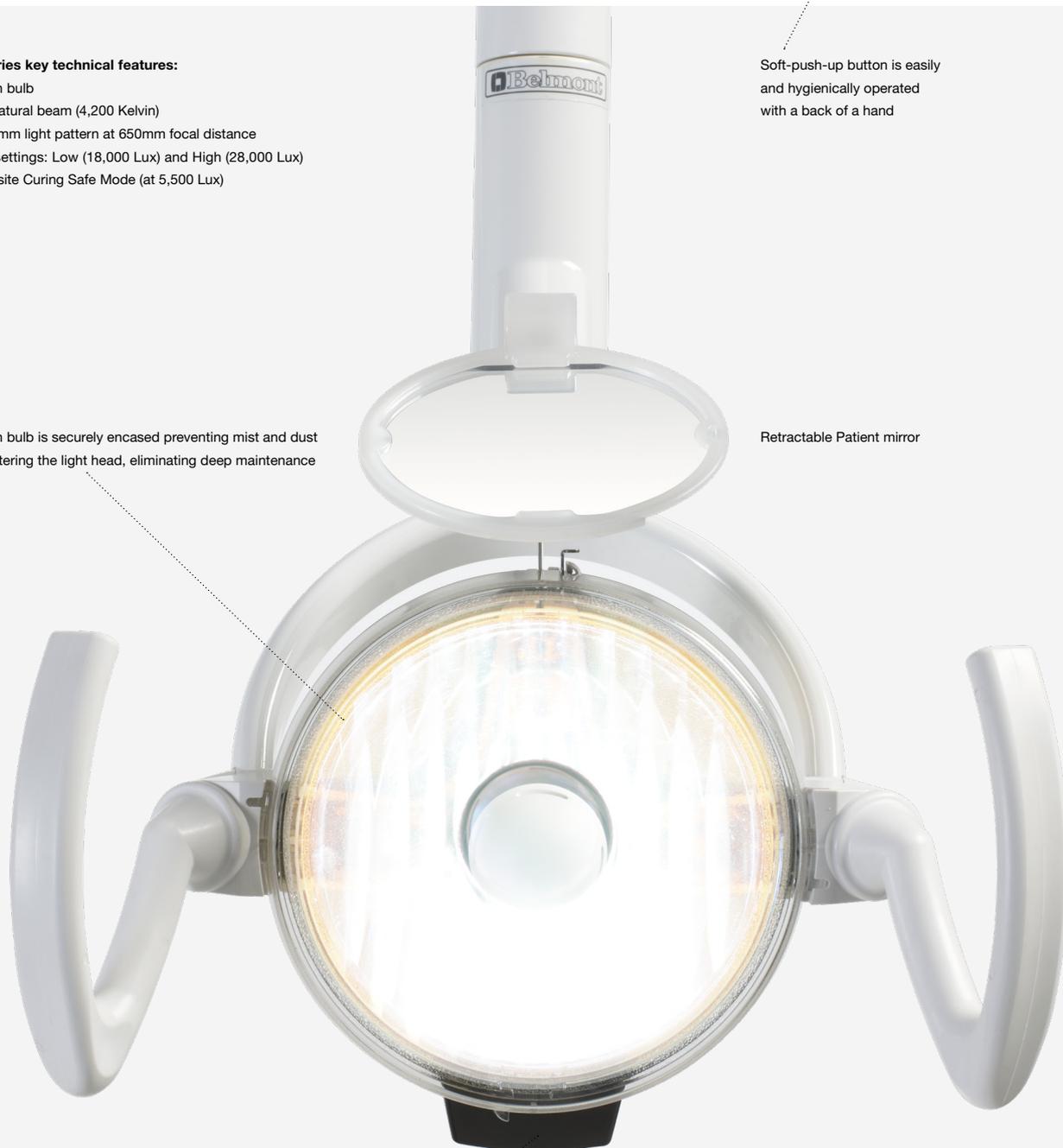
700 Series key technical features:

- Halogen bulb
- White natural beam (4,200 Kelvin)
- 85x220mm light pattern at 650mm focal distance
- 2 light settings: Low (18,000 Lux) and High (28,000 Lux)
- Composite Curing Safe Mode (at 5,500 Lux)

Soft-push-up button is easily and hygienically operated with a back of a hand

Halogen bulb is securely encased preventing mist and dust from entering the light head, eliminating deep maintenance

Retractable Patient mirror



Large touchless sensor control eliminates infectious contact during operation and activates ON/OFF controls and Composite Safe Curing Mode

Two upward-pointing U-handles are easily accessed and provide excellent grip for adjusting the light position during operation

Operating Lights

Models and mounting options

Package notes: ¹ Maximum ceiling height 305cm in respect of a 100cm pole

LED operating light packages

900 LED Series

Models and compatibility:

901 LED post-mounted

902C LED ceiling-mounted¹

902CX LED ceiling-mounted for use with an x-ray unit

905 LED ceiling-track with 68cm pole

920 LED unit-mounted for Cleo II and Clesta II

920LR LED chair-mounted for tbCompass

920LR LED unit-mounted for Voyager III

300 LED Series

Models and compatibility:

301U LED post-mounted

302C LED ceiling-mounted¹

320LR LED unit-mounted for Voyager III

Halogen operating light packages

700 Series

Models and compatibility:

702S-C ceiling-mounted¹

702S-CX ceiling-mounted for use with an x-ray unit

720SLR chair-mounted for tbCompass

720SLR unit-mounted for Cleo II, Clesta II and Voyager III



10 LEDs



5 LEDs



Halogen

Operating Lights

Features and options

Touchless sensor switches

900 LED Series



300 LED Series



700 Series



For 900 LED Series

Patient mirror option



Rotates and can be concealed from Patient view

Monitor mount

Integrated monitor mount



Available with all chair- and unit-mounted light packages

Intra-Oral X-Ray Units

Key features of the range:

- Safety-conscious technologies
- Zero-drift balance-arm
- Simple operation
- Digital and film compatible
- Adult/adolescent/child presets
- Manual override functionality
- Cone length options
- Rectangular Collimator
- Hand exposure switch
- DC X-Ray (Belmont Touch)
- Easy-clean, smooth surfaces
- Mounting options
- Retrospective-fitting option



Touchscreen or keypad operation

Flexible, instant and ultra simple



Keypad control panel for 097 Belray II

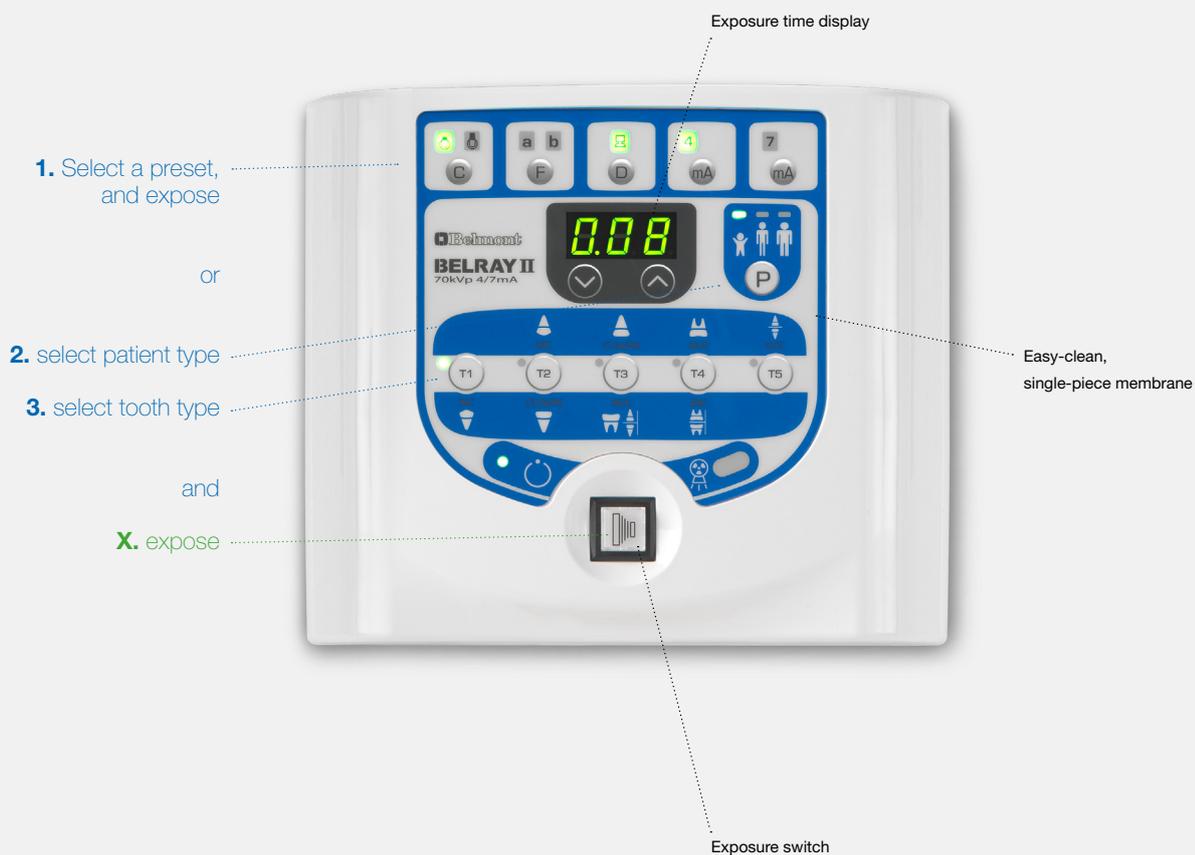
Control panel mounting option

Keypad control panel key features:

Lockable keypad

Manual override

Easy-clean single piece membrane



Control panels can be mounted outside the surgery or on the power unit. Exposures can be activated using the control panel or handheld exposure switch which is available with all models.



Touchscreen control panel for Belmont Touch

Handheld exposure switch with extending cord

Touchscreen control panel key features:

- Lockable keypad
- Manual override
- Easy-clean glass screen

1. Select a preset, and expose

2. select patient type; select tooth type and

or

X. expose



Easy-clean, glass screen

Exposure switch

Belmont Touch

Advanced DC x-ray with
touchscreen control panel



Touchscreen control panel

Sleep mode (example image)

Control panel can be mounted on the central power unit or wall-mounted in an adjacent room with a hand exposure switch for remote control



Intuitive, touchscreen technology with logical interface design

Elegantly compact head design is lightweight (4kg) and easy to position precisely

Angle indicator

Technical: standard cone length provides a 'source to skin' distance of 203mm (longer cone options extends this to 305mm)

DC X-Ray with touchscreen control panel, compatible with all digital systems and film types, switches between digital and film at the push of a button. The Operator has greater control over the program and over-exposure error is easily avoided with an expansive range of exposure settings (0.01 to 3.2 seconds).



Belmont Touch 505-WK – wall-mounted

Zero-drift balance-arm positions precisely

Handheld switch for remote exposure

Belmont Touch key technical features:

- DC X-Ray
- Tube voltage 60kV or 70v v kV
- Tube current 4mA or 6mA
- Focal spot 0.4mm
- Exposure time 0.01 to 3.2 seconds
- Rectangular Collimator
- Lockable keypad
- Manual override

Illuminated ON/OFF switch

Head and scissor-arm fold flat to the wall

Recessed focal spot allows for the shorter cone and overall more compact head design

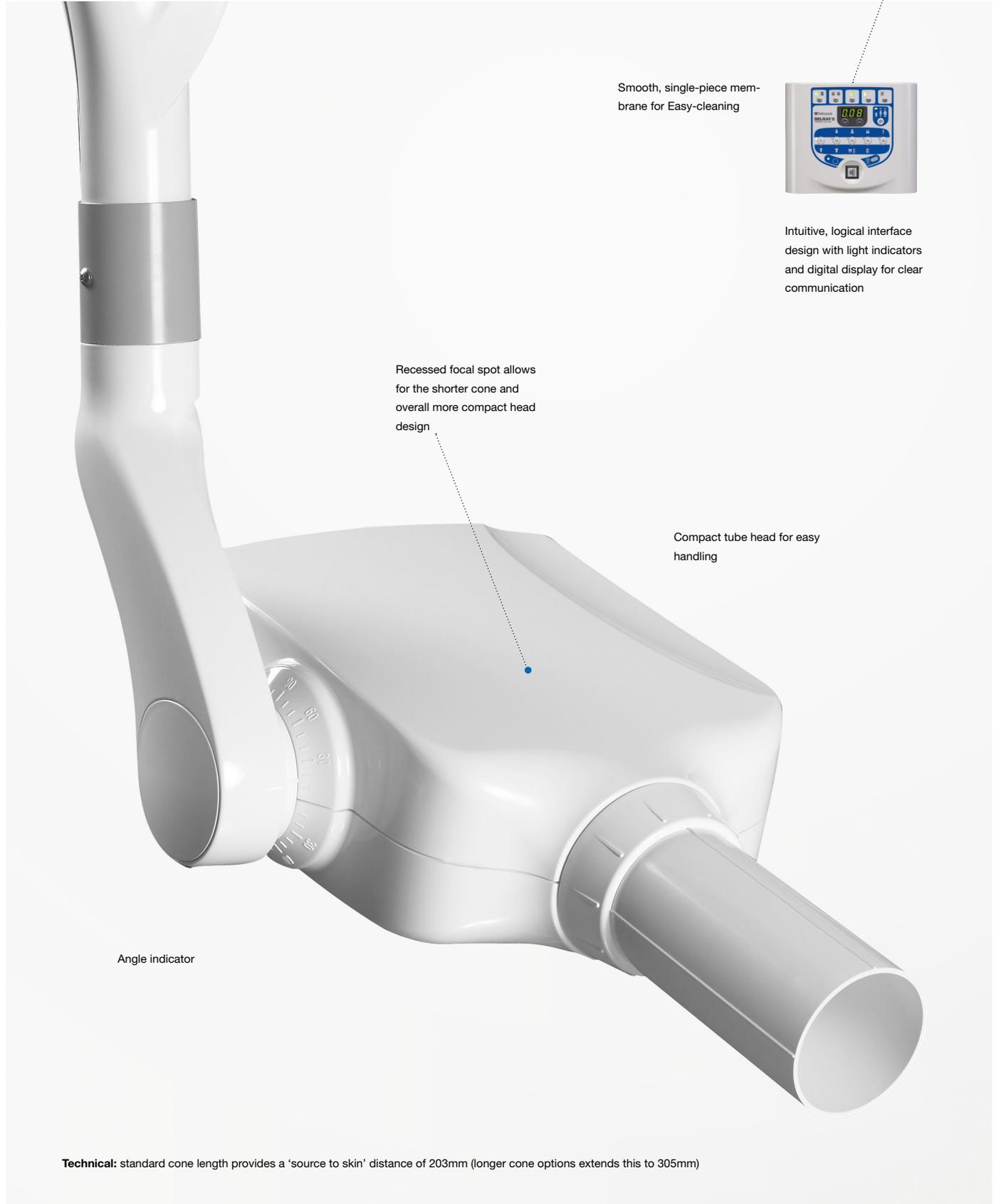
Technical: 30cm, 80cm or 100cm primary arm options are available

097 Belray II wall-mounted

Switch between film and digital imaging systems at the push of a button

Advanced AC x-ray

Compact keypad control panel



Smooth, single-piece membrane for Easy-cleaning



Intuitive, logical interface design with light indicators and digital display for clear communication

Recessed focal spot allows for the shorter cone and overall more compact head design

Compact tube head for easy handling

Angle indicator

Technical: standard cone length provides a 'source to skin' distance of 203mm (longer cone options extends this to 305mm)

At the 097's control panel, the Operator can access an expansive range of exposure settings (0.02 to 3.2 seconds) and be assured of excellent image results.



097-WK – wall-mounted

Zero-drift balance-arm positions precisely

Handheld switch for remote exposure

097 Belray II key technical features:

- Tube voltage 70 kV
- Tube current 4mA or 7mA
- Focal spot 0.7mm
- Exposure time 0.02 to 3.2 seconds
- Rectangular Collimator
- Lockable keypad
- Manual override

Excellent stability and reach with zero-drift assists with providing the sharpest possible image

Head and scissor-arm fold flat to the wall

Illuminated ON/OFF switch



Control panel can be mounted on the central power unit or wall-mounted in adjacent room with a hand exposure switch for remote control

Technical: 30cm, 80cm or 100cm primary arm options are available

Intra-Oral X-Ray Units

Packages and models

Package notes: zero-drift balance-arm features on all models except 505RK

X-Ray unit packages

Belmont Touch

Models:

- Belmont Touch WK (505WK) wall-mounted
- Belmont Touch FM (505FM) with mobile base
- Belmont Touch RK (505RK) room type with stool
- Belmont Touch FK (505FK) floor-mounted
- Belmont Touch CK (505CK) ceiling-mounted

097 Belray II

Models:

- 097 Belray II WK (097WK) wall-mounted



Touchscreen control panel



Keypad control panel with single-piece membrane

Intra-Oral X-Ray Units

Features and options

Primary arm length options

30cm (300mm): maximum reach = 1,422mm

80cm (800mm): maximum reach = 1,922mm

100cm (1,000mm): maximum reach = 2,122mm

Floor-mounted

Belmont Touch FM (505FM)



with mobile base

Belmont Touch RK (505RK)



room type with stool

Belmont Touch FK (505FK)



with fixed base

Wall-mounted

Belmont Touch WK (505WK)



097 Belray II WK (097WK)



Ceiling-mounted

Belmont Touch CK (505CK)

Dental Stools

Key features of the range:

- Operators' and Assistants' stools
- Tilting and fixed seat options
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Footring options
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning



Saddle stool

Designed to improve your posture during operation

Seamless Upholstery in Sea Mist (Ultrasoft Pro fabric)



Saddle seats are considered by many to be the best ergonomic seat form available. With tilt and hydraulic height-adjustment the Saddle stool is the best prospect of a health-conscious dental stool.



Tilting seat

Saddle stool key features:

- Tilting seat
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning

Tilted seat offers support at the front and rear, holding a healthier posture during operation



Operators' stools

Designed to improve your mobility during operation

ic-Tilt with free-floating seat and backrest

Easy-clean surfaces

ic-Tilt key features include:

- Free-floating seat and backrest
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning



ic-Tilt
with free-floating seat
and backrest



Adjust
backrest height
independently

Adjust tilt

Adjust seat-height

Free-floating, high-backrest
section offers thorough support
and winged sides to hug the
user into the seat

Even when tilting, the
ergonomic moulded seat
holds the user steady during
operation

• Crocus (Standard)

ic-DF with free-floating backrest

ic-D with centred, fixed support bar



ic-DF key features include:

- Free-floating backrest
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning



ic-DF
with free-floating backrest



Free-floating, low-backrest section offers full support by moving with the user

Adjust backrest height independently

Ergonomic moulded seat holds the user during operation

Adjust backrest tilt

Adjust seat-height

Assistants' stools

Designed to remove the strains of leaning and reaching

ic-DSSA with off-centre, rotating support bar

Rotatable support bar offers the most comfortable leaning position



ic-DSSA key features:

- Rotating support bar
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning

Cushioned support bar section offers support as the user leans forward during operation

Adjust seat-height

Footring for comfort during operation

Adjust backrest tilt

Adjust support bar height independently

Soft, button seat for comfort



• Citrus (Ultrasoft)



ic-DSAF with free-floating backrest

Easy-clean surfaces

ic-DSA with off-centre, fixed support bar

ic-DSAF key features:

- Free-floating backrest
- Hydraulic lift height-adjustment
- Five-point polished aluminium base
- Smooth-running castors
- Easy-clean upholstery
- Standard, Ultrasoft and Ultrasoft Pro fabric options
- Double-density cushioning



ic-DSAF
with free-floating backrest

Free-floating, low-backrest section offers full support by moving with the user



Adjust backrest height independently

Adjust backrest tilt

Adjust seat-height

Ergonomic moulded seat holds the user during operation

Footring for comfort during operation

Dental Stools

Choice for Operators and Assistants

Package notes: Standard, Ultrasoft and Ultrasoft Pro fabric options available

Saddle stool

Saddle



Operators' stools

ic-Tilt



ic-DF



ic-D



Assistants' stools

ic-DSSA



ic-DSAF



ic-DSA





Takara Belmont (UK) Ltd.

London Head Office & Showroom

Belmont House, One St. Andrews Way, Bow, London E3 3PA

T. 020 7515 0333

F. 020 7537 6102

Manchester Showroom

7 Quays Reach, Carolina Way, Salford, Manchester M50 2ZY

T. 0161 743 9992

E. dental@takara.co.uk

 **Belmont**