OPTIMA millennium

CEILING SUSPENSION SPECIFICATIONS

Positioning movement:

Vertical travel: manual movement (standard) / motorized movement (optional)
Longitudinal travel: manual movement
Transversal travel: manual movement

Digital display:

Digital display for the SID measures
Digital display for the X-ray tube angulations
Digital display for indication of position on the horizontal axis

Ceiling Suspension Tube Stand movements:

Longitudinal travel: 350 cm (137,79")
Transversal movement: 218 cm (85,83")
Vertical motorized Travel: 150 cm (59,05"), synchronized with wall bucky movement
Focal spot to ceiling: min. 100 cm (39,37") (Parking position)
Tube stand rotation: +/-180º, mechanical detent every 90º
X-ray tube rotation: +180/-135º, mechanical detent every 90º

Electromagnetic brakes for tube rotation and tube arm movements:

Set of two longitudinal rails 440 cm (173,23") length
Transversal bridge 350 cm (137,79") long

MOTORIZED OPTION FEATURES

Alignment Control System of the Wall Bucky Stand, through synchronized movement with the Ceiling Suspension. Once the system is activated, any vertical movement of the Wall Bucky Stand, the Ceiling Suspension will automatically follow any vertical movement of the wall bucky stand to the center position of the bucky.

The synchronized movement between elevating table and ceiling suspension always keeps SID constant.

Specifications subject to change without prior notice.
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ISO 9001:2000 SGS ISO 13485 SGS CE 0120

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Ceiling Suspension Radiographic System

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Ceiling Suspension Radiographic System

Wall bucky oriented patient position

The elevating table option enables easy patient access due to its minimal height from the floor

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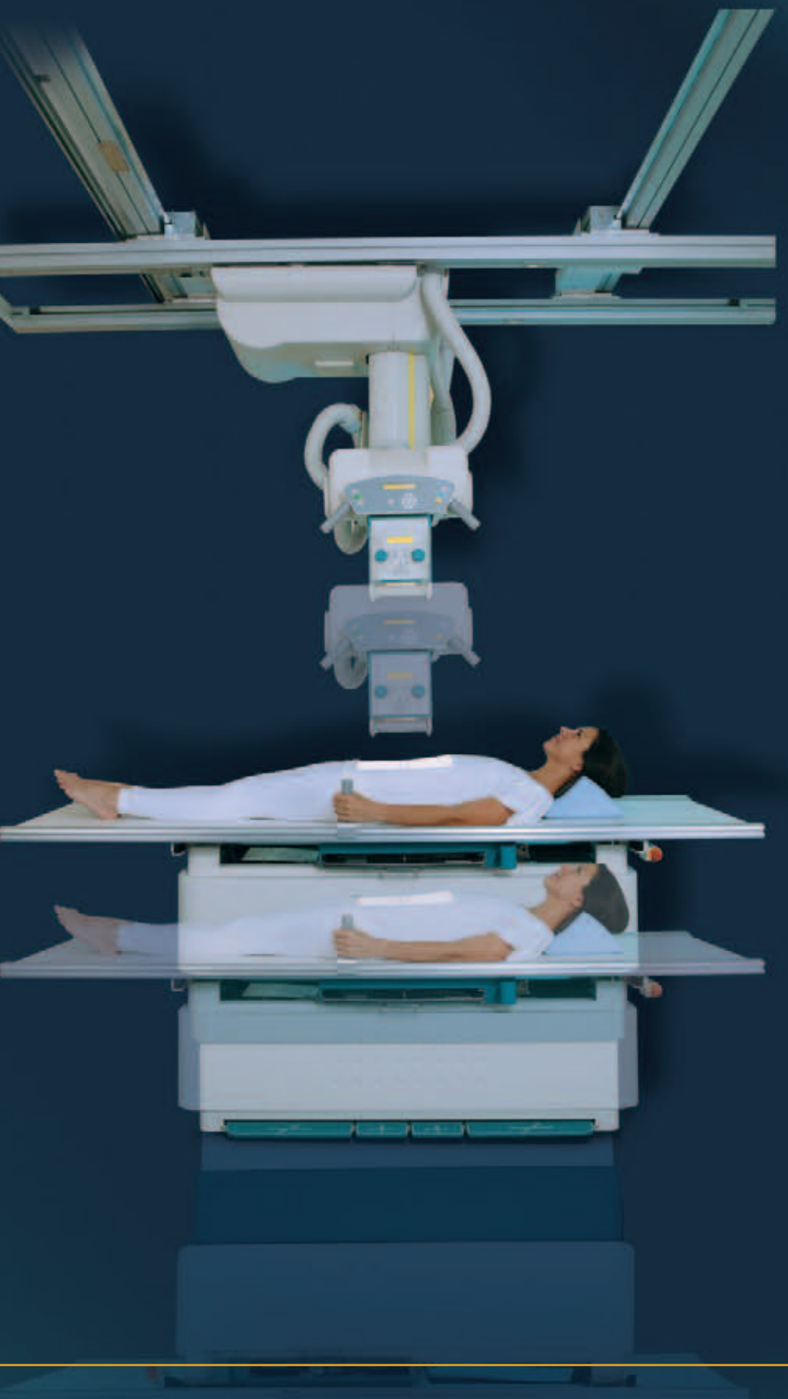
Ceiling Suspension Radiographic System



Ergonomic controls to operate all movements of the ceiling suspension

Options

Synchronized movement of the X-ray Tube (Bucky tracking) relative to the table and vertical Bucky up and down movements.
Automatic collimation synchronized to both the based on cassette table and Wall Bucky

Extensive vertical travel with both ceiling suspension telescope and wall bucky stand

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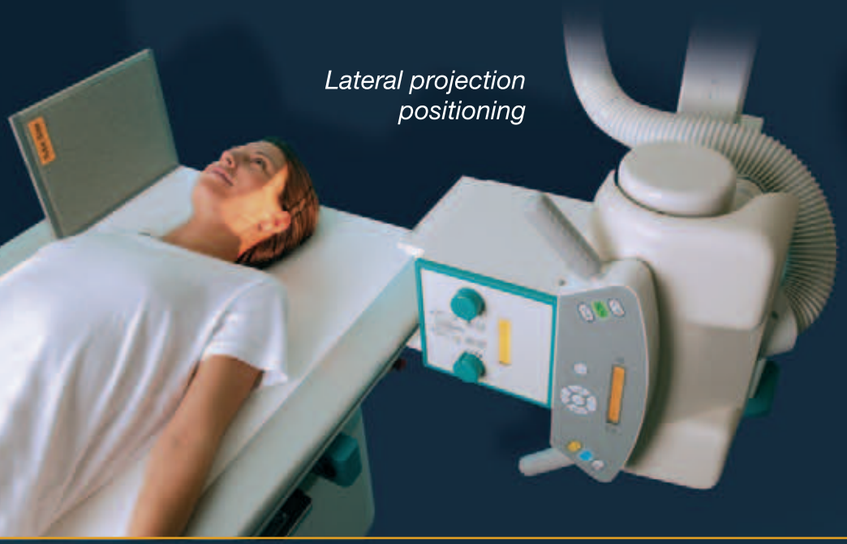
Ceiling Suspension Radiographic System

A wide range of angular projections are possible

Floating table-top with extensive travel range



Lateral projection positioning

The Wall Bucky includes a cassette tray compatible with sizes ranging from 13x18 cm to 35x43 cm (5,12”x7,09” to 13,78”x16,93”)

Option. Wall Bucky with moving grid designed for spinal examaniations using cassettes up to 30x120 cm in size (11,81”x47,24”)

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Options & Accesories

Option
External cassette holder
(30x90 cm; 30x120 cm)
(11,81”x35,43”; 11,81”x47,20”)
for the complete spine examination

Option twin bucky
Wall Bucky with reciprocating moving grid (40x122 cm)
(15,75”x48,03”)
Cassette tray for cassette sizes ranging from 13x18 cm to 35x43 cm
(5,12”x7,09” to 13,78”x16,93”)

Hands support adaptable on the left and right side of the wall bucky stand for a perfect and easy positioning of the patient.

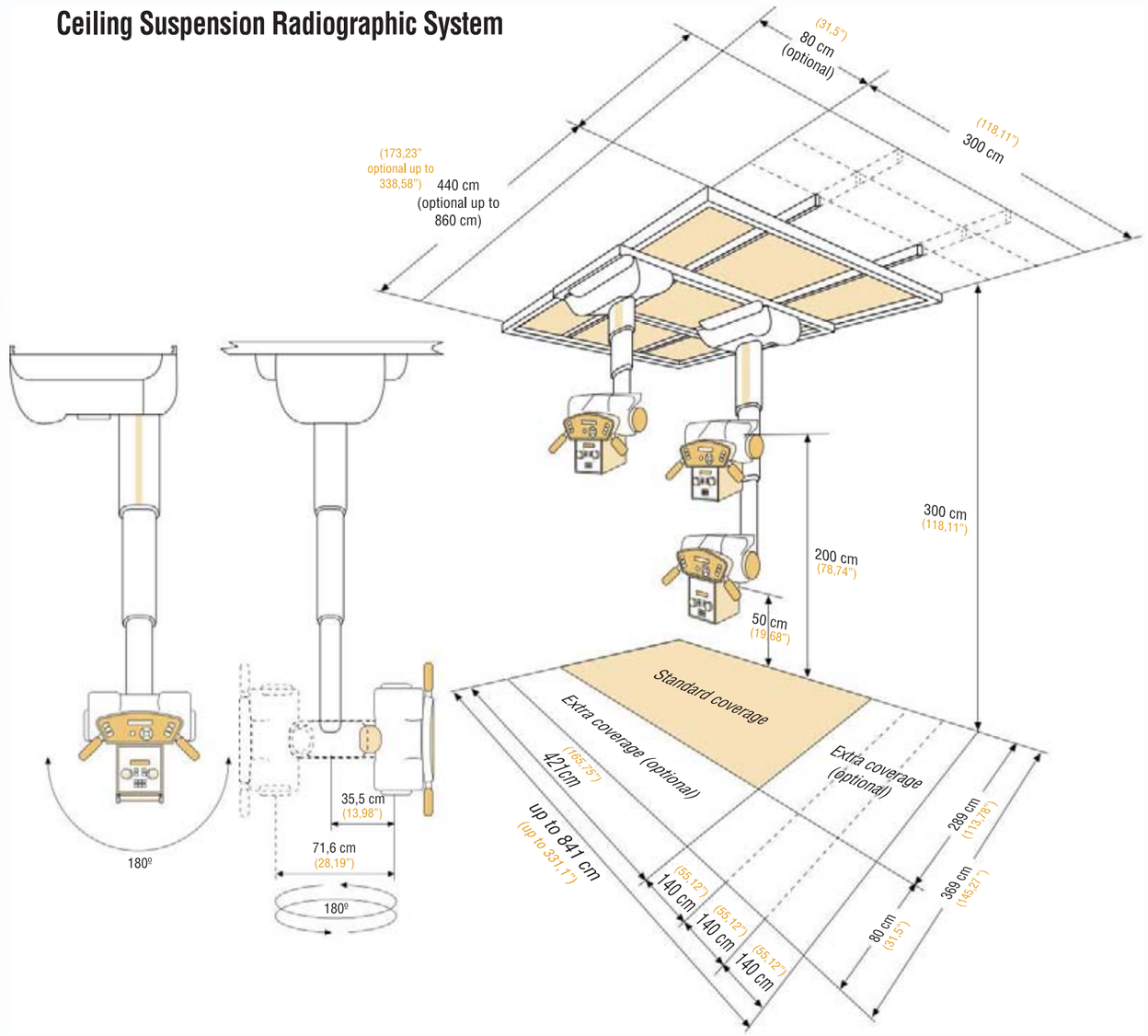
Hands support

Support for positioning of the Infant support available on different sizes

Infant Support

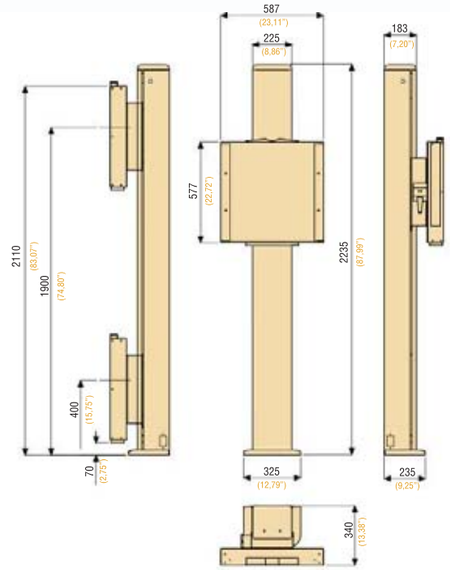
OPTIMA millennium

Ceiling Suspension Radiographic System

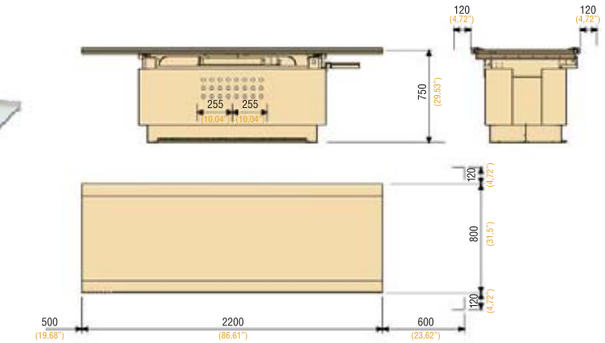


Ceiling Suspension Radiographic System

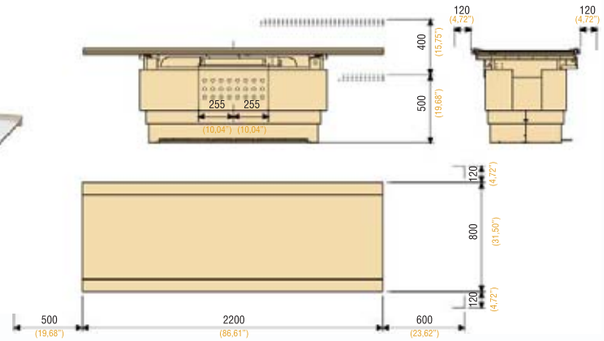
Wall Bucky



Four ways floating top table



Six ways floating top table



Four ways floating top table	
Table top dimensions	220x80 cm (86,61"x31,5")
Height from floor	75 cm (29,53")
Table top composition	Laminated structure (according to EN 438 standard)
Table top-to-film distance	8.5 cm (3,35")
Table top Al. equivalence	< 1mm Al. @ 100 kVp
Table top weight limit	200 kg
Table top movement	Manual, 4-way floating top
Longitudinal travel	110 cm (43,31")
Transverse table top travel	24 cm (+12 cm / -12 cm) (9,45" (+4,72" / -4,72"))
Table locks	Electromagnetic brakes
Table lock controls	Full-length foot switch along table base
Table Bucky	Super speed
Bucky travel	51 cm (20,08")
Total center-to-center Radiographic coverage	161 cm (63,38")
Grid	40 lines/cm - 12:1 line ratio Focused at 100 cm (39,37")
Cassette sizes	All sizes from 18 to 43 cm (7,09" to 16,93") either orientation
Bucky table weight	160 kg
Six ways floating top table (additional features)	
Table top to floor	Variable from 50 to 90 cm (19,68" to 35,43")
Table top up/down movement	Central foot switches along table base
Table Weight	298 kg
Wall Bucky	
Standard type	Non-tilting Bucky
Bucky	Super speed
Vertical Bucky travel	150 cm (from 40 to 190 cm) (59,05" (from 15,75" to 74,8"))
Vertical movement	Manual, fully counterbalanced
Film center-to-floor minimum distance	40 cm (15,75")
Front top-to-film distance	44 mm (1,73")
Cassette sizes	All sizes from 18 to 43 cm (7,09" to 16,93") either orientation
Grid	40 lines/cm - 12:1 - line ratio Focused at 150 cm (59,05")
Bucky front Al. equivalence	< 0.8mm @ 100 kVp
Locks	electromagnetic brakes
Weight	145 kg
Optional Accessories	
Hands support	
External cassette holder	35x43 cm; 30x90 to 30x120 cm (13,78"x16,93"; 11,81"x35,43" to 11,81"x47,24")
Lateral cassette holder	18x24 cm to 35x43 cm (7,09"x9,45" to 13,78"x16,93")
Head holder	
Compression band	
Hand grips	