

# RAYCAST® HIGH PRECISION LUNG BOARD SOLUTION



Article No. : **29115**

## A. GENERAL PRODUCT INFORMATION

The products referred to in this document are medical devices, used for patient positioning and immobilisation in radiation therapy. This product can be used during both the simulation and the treatment stage, including MRI imaging.

Orfit prohibits the use of unauthorized third-party products in conjunction with its own products.

## B. PARTS LIST

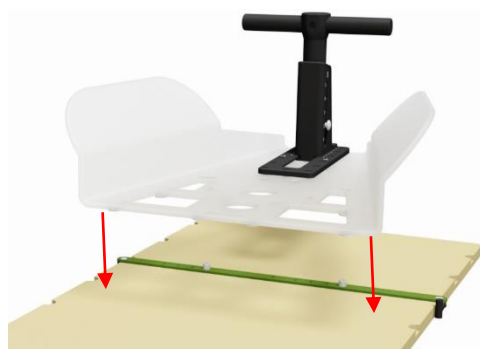
ART. NO.	DESCRIPTION
<b>29115</b>	<b>Lung board solution consisting of:</b>
29115/14	1 x Board assembly
29115/15	1 x Hand grip Assembly
CHS-1-2	2 x white pins

Please note: Head support pictured is not included in this package!

## C. SET-UP OF THE PRODUCTS

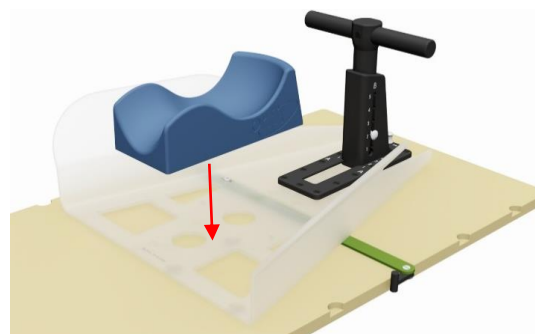
Use a 2-pin bar to attach the base plate to the couch top. Information and instructions on 2-pin bars can be found in the respective 'instructions for use' and on [www.orfit.com](http://www.orfit.com).

When the 2-pin bar is correctly connected to the couch, the Lung board can be indexed over it:




Make sure the Lung board is completely supported by the treatment couch. Overhang is not allowed.

Secondly, place an Orfit head support, Silverman head support (by screwing the 2 white pins into the small holes) or a Timo head rest (in combination with a CHT-1 adapter plate, which is not included in this package!) on the base plate.



Note: The Raycast High Precision Lung Board Solution can be used with the Orfit head support or other legally marketed head supports (i.e. Timo or Silverman type head supports) which are not included with this device.

## D. PRECAUTIONS FOR USE

- Make sure the Lung board is completely supported by the treatment couch. Overhang is not allowed.
- Do not use the hand grip to reposition the patient.
- Beware not to pinch your hands when moving the hand grip.
- The Lung board is MR-safe 
- Verify the position of the Lung board and accessories before starting the treatment of the patient.
- Caution: Federal law restricts this device to sale by or on the order of a physician.

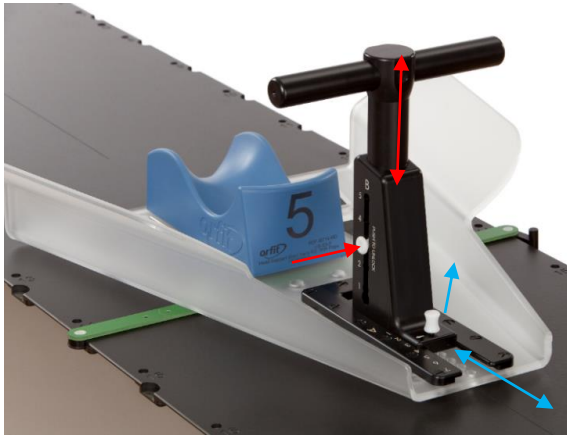
## E. PRODUCT DESCRIPTION

After indexing the Lung board on the 2-pin bar and placing the head support, the patient can be positioned on the treatment couch with the head into the head support.

Subsequently, the arms can be placed over the head and the patients' hands should grasp the T-shaped hand grip.

To constrain motion, make sure the arms are supported by the 'wings' of the board. According to the posture of the patient, the hand grip can be changed in height (5 positions) and length (8 positions). See picture below. You can slide the hand grip into the sliding rail in two ways – according to the patient's anatomy.

Make sure to write down all positions on a set-up sheet to correctly reproduce the system for the same patient.



#### F. STORAGE

Always store the product in a safe place to prevent it from getting damaged or falling onto other objects. Prevent hard objects from falling onto the plate. Store the base plate between +10°C (50°F) and 40°C (122°F) in a place that is not humid.

#### G. PROPERTIES

##### G.1 Physical Properties

###### Board

Dimensions: L 57 cm x W 54 cm x H 17 cm  
L 22.4" x W 21.3" x H 6.7"

Thickness 8 mm

0.31"

Weight: 2.83 kg  
6.24 lbs

Material: PMMA, POM

###### Hand grip

Dimensions: L 12 cm x W 25.6 cm x H 25.8 cm  
L 4.7" x W 10.1" x H 10.2"

Weight: 1.14 kg  
2.51 lbs

Material: POM, PA12 Spring, Nylon

##### G.2 Dosimetric Properties

Attenuation (at 6 MV) and skin build-up (SBU) values of the Board:

Attenuation ( $\pm 0.15\%$ )	Skin build-up ( $\pm 0.1\text{ mm}$ )
6 MV	mm H <sub>2</sub> O equiv.
4.15 %	11 mm

Please note: use these numbers as a guidance only. Perform the measurements again in your department to verify these results. Due to material thickness deviations, the actual results may differ from these values.

#### H. MAINTENANCE AND WASTE MANAGEMENT

This product can be cleaned and disinfected by means of soapy water or an isopropanol based disinfectant, applied with a soft cloth. If unsure about the cleaning fluid, do not use. **Never use aerosol sprays, corrosive cleaning agents, solvents or abrasive detergents.**

Periodic checks of the product should be done to insure the parts are not worn and require repair or replacement. **Do not attempt to make repairs yourself.** Contact your distributor if there are any questions or concerns.

The product can be disposed of with household waste.

#### I. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website [www.orfit.com](http://www.orfit.com).

#### Note:

The instructions were written in accordance with the European Directive 93/42/EEC for Medical Devices. It is prohibited to make alterations to this text without prior approval from Orfit Industries. RAYCAST® is a registered trademark of Orfit Industries.



**ORFIT INDUSTRIES**  
Vosveld 9A | B-2110 Wijnegem | Belgium  
T (+32) (0)3 326 20 26  
welcome@orfit.com

[www.orfit.com](http://www.orfit.com)



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