

The **CLAS-F** mobile laser system is a precision alignment solution for patient setup and marking in the field of radiation therapy. The system creates a **manually adjustable** 3D reference in the Cartesian space by means of several high quality laser planes.

Features

- Five laser planes
- High-accuracy positioning
- Dual laser: two laser lines modules of any color
- Easy by-screw adjustment from the outside
- Flexible on-wall, in ceiling or on post mounting
- Usable with MRI/MR-Linac machines
- MR conditional

Composition

The **CLAS-F** system includes 1 manual X unit, 2 manual XY units and accessories:

- one **AXE20F-X** manual unit for the sagittal (longitudinal) plane
- one **AXE20F-XY** manual crosshair unit for the left coronal (transverse) and axial (horizontal) planes
- one **AXE20F-XY** manual crosshair unit for the right coronal (transverse) and axial (horizontal) planes
- five **WLC635-5-LGCP** red line laser modules
- five **WLC532-5-LGCP** green line laser modules

Ordering code ^{1, 2, 3}

CLAS-F	1 manual X unit + 2 manual XY units + accessories
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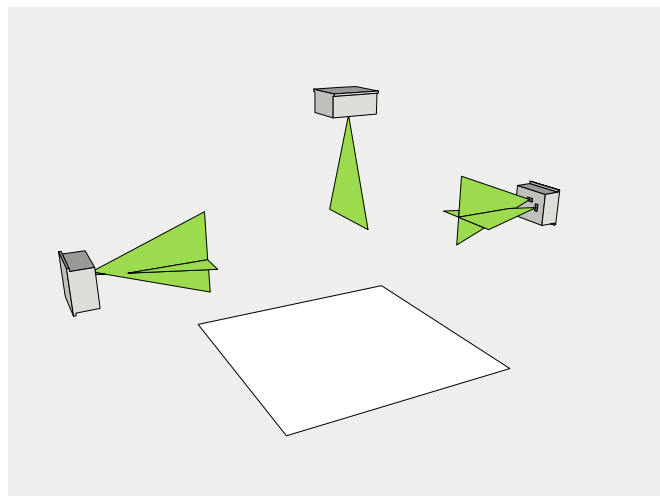
¹ The power cord must be provided by the local distributor.

² The focal length of the laser modules must be provided according to their datasheets.

³ This is a base configuration that can be customized according to the installation requirements.

Related products

CLAS-0	1 short-range X unit + 2 short-range XY units + accessories
CLAS-1	1 long-range unit + 2 short-range XY units + accessories
CLAS-3	3 long-range units + 2 short-range X units + accessories
CLAS-5	5 long-range units + accessories



Technical specifications

Power supply	100 ÷ 240 V _{AC} @ 50/60 Hz
Power consumption	49 W max. per unit
Internal voltage	12 V _{DC}
Operating humidity	≤ 80%, non-condensing
Operating temperature	15 ÷ 30 °C
Dimensions (mobile units, H×W×D)	98×920×102 mm
Dimensions (fixed units, H×W×D)	205×220×107 mm
Weight (AXE20F-X)	3.9 kg
Weight (AXE20F-XY)	4 kg

Laser output

Laser class	2
Output power *	< 1 mW
Focus range	1.5 ÷ 7 m
Line width	≤ 1 mm @ 4 m
Line length	≥ 4 m @ 4 m

* measured on a 7 mm aperture at 100 mm

Mechanical

Adjustment accuracy	±0.1 mm @ 3 m
Translation range	0 ÷ 18 mm
Translation resolution	0.5 mm/turn
Tilt range	±3.6 deg
Tilt resolution	30 µm/m
Rotation range	±3.5 deg
Rotation resolution	50 µm/m