



# Pro-CT Align

04-601 - CT laser alignment check version

04-602 - CT laser alignment check and calibration version (with aluminium seeds insert)

04-603 - PET/CT alignment check version (with tungsten ball)



This phantom can be used to **check the alignment of the internal and external lasers to the radiographic center of CT and PET/CT units and to verify lateral gantry angle**. It can also be used with **accelerator units to check vertical and lateral gantry angles, laser alignment and vertical table movement**.

## Technical data (can be modified to customer specifications):

- made of transparent PMMA 150 x 150 x 50 mm
- large 150 x 150 mm sides include:
  - centering scribe lines that go across the phantom on one side
  - two large holes 9.5 mm in diameter, 106 mm apart center to center in the exact center of a quadrant of the phantom
- small 50 x 150 mm sides include:
  - scribed lines through the center of all four sides
  - 2 of those sides are also scribed 50 mm from center
  - 3 pinholes one at center and two 50 mm from center
  - center pinholes are 2 mm in diameter and hold a tungsten pin 15 mm long
  - off center pinholes are 1.0 mm in diameter
- scribed lines are 1 mm wide and white for ease of viewing
- optional 5.5 mm diameter tungsten ball in the center for stereotactic collimator verification (it is removable for CT applications)
- optional insert containing 5 aluminium seeds 1 mm in diameter and 5 mm long with a chart indicating center to center spacing between seeds
- levelling platform:
  - made of transparent PMMA
  - dimensions: 150 x 150 x 10 mm
  - bubble level and three levelling screws

## Product features:

- complies with:
  - IEC 61223-3-5
  - IEC 61223-2-6
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration