

Acceptance test phantom 3D set acc DIN 6868-161

Quick Reference Guide

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! Important information



Manufacturer



Part number



Serial number



Health Industry Bar Code (HIBC)

1 About this document

These installation and operating instructions form part of the unit.

 If the instructions and information in these installation and operating instructions are not followed, Dürr Dental will not be able to offer any warranty or assume any liability for the safe operation and the safe functioning of the unit.

1.1 Warnings and symbols

Warnings

The warning notes in this document highlight possible injury to persons or damage to machinery.

They are marked with the following warning symbols:



General warning symbol

The warnings are structured as follows:



SIGNAL WORD

Description of type and source of danger

Here you will find the possible consequences of ignoring the warning

- › Follow these measures to avoid the danger.

The signal word differentiates between different levels of danger:

- **DANGER**
Direct danger of severe injury or death
- **WARNING**
Possible danger of severe injury or death
- **CAUTION**
Risk of minor injuries
- **NOTICE**
Risk of extensive material/property damage

Miscellaneous symbols

These symbols are used in the document and on or in the unit:



Note, e.g. specific instructions regarding the efficient use of the unit.

1.2 Copyright information

All circuits, processes, names, software programs, and devices mentioned in this document are protected by copyright.

The Installation and Operating Instructions must not be copied or reprinted, either in full or in part, without written authorization from Dürr Dental.

2 Safety

2.1 Transportation and storage

The original packaging provides optimum protection during transport and storage.

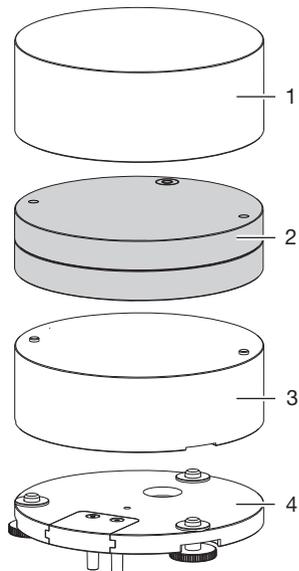
If required, original packaging for the unit can be ordered from Dürr Dental.



Dürr Dental will not accept any responsibility or liability for damage occurring during transport due to the use of incorrect packaging, even where the unit is still under guarantee.

- › Transport the device in its original packaging only.
- › Keep the packing materials out of the reach of children.

3 Overview



- 1 Upper absorber
- 2 Test phantom consistency check CBCT (not included in the scope of delivery, see "3.2 Accessories")
- 3 Lower absorber
- 4 Adjustment unit

3.1 Scope of delivery

The following items are included in the scope of delivery (possible variations due to country-specific requirements and/or import regulations):

**Test phantom set for acceptance test
CBCT A7760**

- Upper absorber
- Lower absorber
- Adjustment unit

3.2 Accessories

The following items are required for operation of the device, depending on the application:

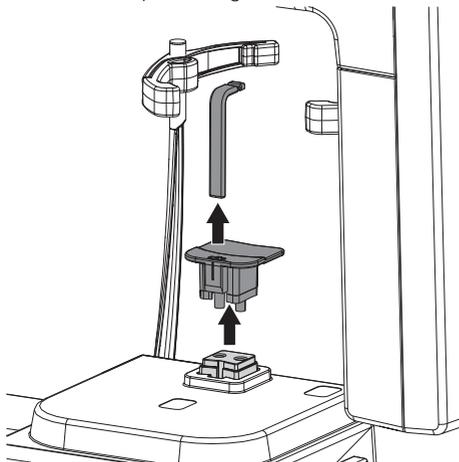
Consistency check test phantom 3D set . A7759

 Usage

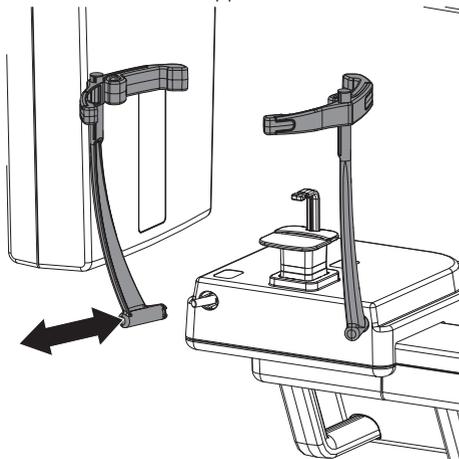
4 Preparation of the device

 The CBCT acceptance test also required the test phantom from the constancy test phantom 3D set.

- › Check to make sure that the consistency check test phantom is present.
- › Remove the positioning aids.

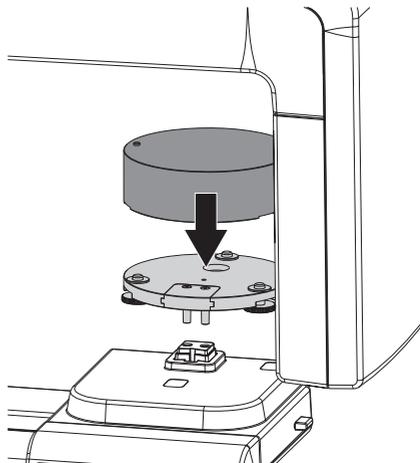


- › Remove the head supports.

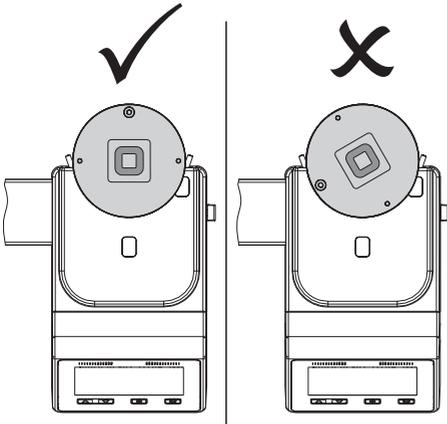
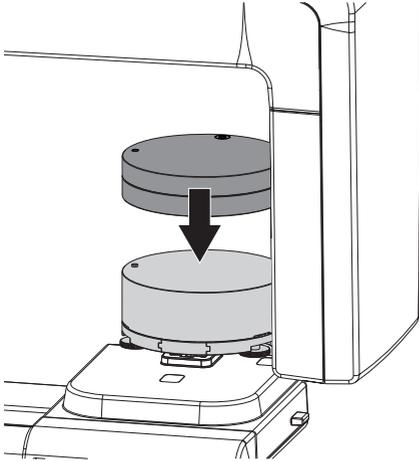


- › Clean and disinfect the device.

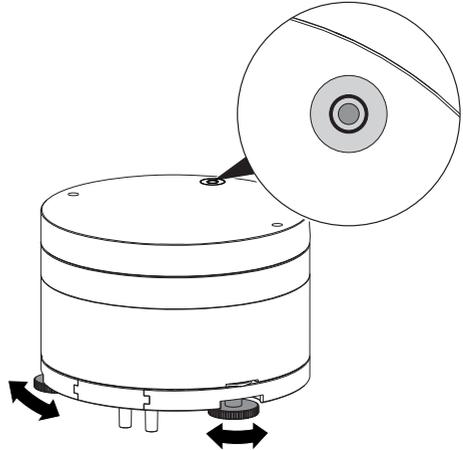
- › Insert the adjustment unit and the lower absorber.



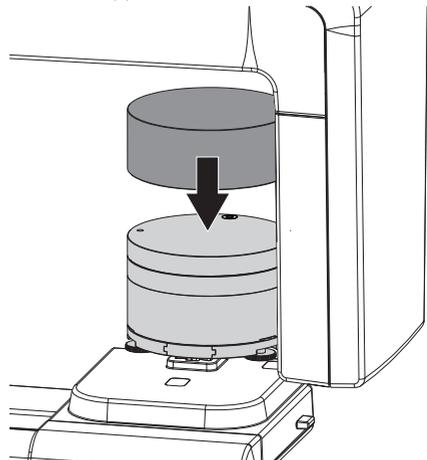
- › Insert the test phantom consistency check CBCT. The test phantom must be placed as shown. Otherwise, automatic evaluation by VisionX Inspect will not work.



- › Check whether the test phantom is leveled. If the test phantom is not in leveled, correct the position with the knurled screws. Should you experience problems in the evaluation despite the test phantom having been leveled with the spirit level, check the position of the test phantom with a spirit level. The knurled screws have been screwed tight for transport purposes and may require the application of a little force to unscrew.



- › Insert the upper absorber.



- › Store the test phantom in its original packaging after use.

5 Performing an acceptance test

5.1 Description of the acceptance test

The main goals of the acceptance test of the X-ray system are:

- Ensuring that the required image quality is achieved with the lowest possible radiation exposure
- Defining the operator and device data
- Defining reference values for the constancy test
- Quality assurance of the system

The following standards are primarily applicable to the acceptance test:

- DIN 6868-151 Image quality assurance in diagnostic X-ray departments - Part 151: Acceptance testing of dental radiographic equipment accordance to RÖV - Rules for the inspection of image quality after installation, maintenance and modification
- DIN 6868-161: Image quality assurance in diagnostic X-ray departments - Part 161: RÖV acceptance testing of dental radiographic equipment for digital cone-beam computed tomography

5.2 Performing an acceptance test with VisionX Inspect

We recommend performing the acceptance test consistency checks with VisionX Inspect. VisionX Inspect detects which device is being checked and adapts the check that is to be performed to the requirements of the device.

For information on how to perform the checks with VisionX Inspect, please refer to the VisionX Inspect software assistant.

Software help functions can be accessed either via the context-sensitive help in specific sections or via the start page.

Opening the context-sensitive software help:

- › Press the **F1** key.
The cursor changes to .
- › Click in the area for which help is required (e.g., Toolbox).
The software help opens in a separate window in the required section (e.g., Toolbox).

Opening the software help function via the start page:

- › Click  > .
- The software help opens in a separate window with the start page.

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