

**5G**

NewTom 5G represents an innovation and revolution in the field of advanced imaging specifically with Cone Beam Computed Tomography. QR's srl years of Cone Beam CT experience and reputation for the highest image quality have once again come together to develop the next generation of imaging hardware - The NewTom 5G.

The NewTom 5G features the best spatial resolution, improved signal to noise ratio, uniformity accuracy and dynamic range of the gray scale (16 bit). In addition to the superior image quality of the NewTom 5G, it also offers tremendous flexibility with different acquisition modalities - 11 different scanning possibilities using 7 different FOV's.

With a fascinating design, practitioners can explore new clinical applications, thanks to the open pass-through style gantry and motorized reclining patient's chair. The supine position of the patient during the acquisition and the reduced scan time add comfort and stability for an excellent result in terms of image quality and patient satisfaction.

- ❑ OPEN Gantry for new clinical applications and patient's comfort
- ❑ Short scan time
- ❑ 7 Selectable FOV's
- ❑ Large Volume FOV
- ❑ Small Footprint

**NewTom**  
Cone Beam 3D Imaging

# Specifications NewTom 5G

## Scan Unit

|                        |                                       |                                 |                               |
|------------------------|---------------------------------------|---------------------------------|-------------------------------|
| Acquisition Technique  | Single Scan and Cone Beam Acquisition |                                 |                               |
| Scan parameters        | Standard Modality:                    |                                 |                               |
|                        | Time / X-Ray Emission                 | 18 s / 3,6 - 5,4 s              |                               |
|                        | 360 degree rotation                   |                                 |                               |
| Patient Positioning    | Sitting / Supine                      | Motorized Patient Chair + laser |                               |
| Weights and Dimensions | Scan Unit                             | Width                           | 175 cm                        |
|                        |                                       | Depth (max)                     | 230 cm (with patient's chair) |
|                        |                                       | Height                          | 178 cm                        |
|                        |                                       | Gantry                          | 58 cm                         |
|                        |                                       | Total Weight                    | 530 Kg (with patient's chair) |

| Multiples Scan Modes | FOV sizes (cm) |           | Voxel size options (µm) |     |     |     |
|----------------------|----------------|-----------|-------------------------|-----|-----|-----|
|                      | Diameter       | Height    |                         |     |     |     |
| Standard scan        | <b>18</b>      | <b>16</b> | 300                     | 250 | 200 | 150 |
|                      | 15             | 12        | 300                     | 250 | 200 | 150 |
|                      | 12             | 8         | 300                     | 250 | 200 | 150 |
| Boosted scan         | 8              | 8         | 300                     | 125 | 200 | 150 |
|                      | 12             | 8         | 150                     | 125 | 100 | 75  |
| HiRes scan           | 8              | 8         | 150                     | 125 | 100 | 75  |
|                      | 6              | 6         | 150                     | 125 | 100 | 75  |

All above mentioned modes and volumes can be acquired as "Enhanced Scan", obtaining 480 images instead of 360, with a single 360° rotation.

## Patient's Chair

|                        |             |                            |
|------------------------|-------------|----------------------------|
| Weights and Dimensions | Width (max) | 150 cm (footrest extended) |
|                        | Depth       | 70 cm                      |
|                        | Height      | 125 cm (backrest extended) |
|                        | Weight      | 120 Kg                     |

Specifications subject to change without prior notice.

QR srl

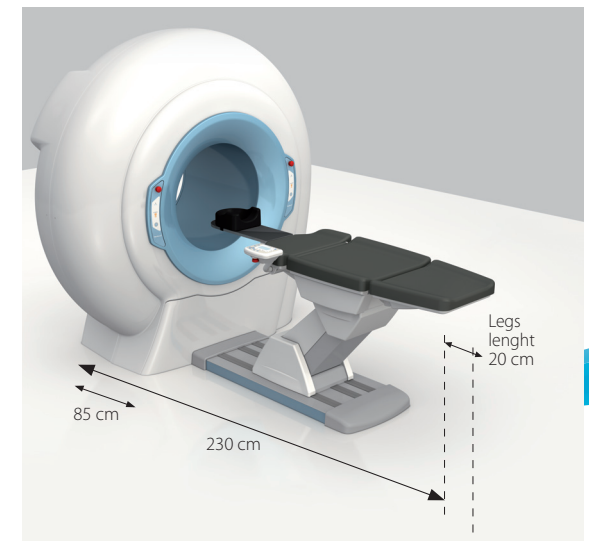
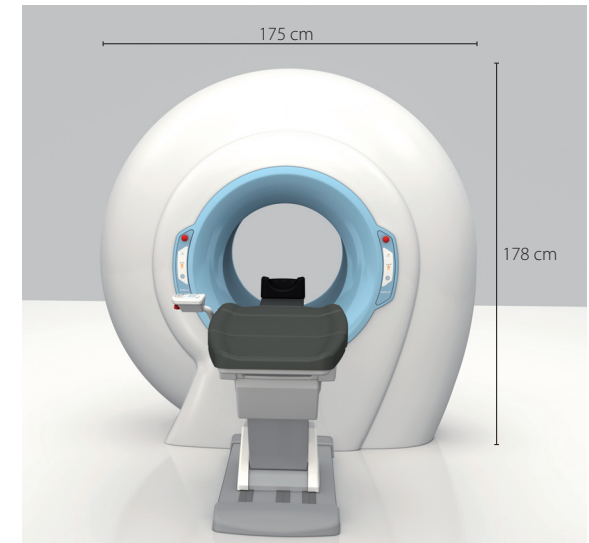
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