

Your 4 things to consider when purchasing a 3D CBCT



Regardless of dental experience, all dentists try to purchase clinic equipment that performs to the highest quality. Thus, dentists are careful before committing to any major purchase, weighing each option on the market. With fancy marketing terms and sales jargon, it can be difficult to discern and compare options in the 3D CBCT market. As such, we at Vatech want to support you and your team to find the perfect 3D CBCT, so we need to highlight these 4 details to always check.

1

FOV SIZE As dentistry grows and evolves, each dentist deserves to make a personalised choice for what treatments they perform. Just as it makes sense to choose the right sized shoe for a foot, it makes sense to assess your clinical needs and choose the **right sized FOV for your clinic**. Look for equipment that can improve your diagnostic capabilities and can allow your clinic to grow.

2

3D CBCT Image Quality Clearly, 3D image quality is important when choosing 3D CBCT equipment. What is less clear is how to best measure image quality. When every 3D CBCT manufacturer claims to have leading image quality, here is how to properly compare between equipment. Sensor is a core part of imaging device because it is a deciding factor of the image quality. Hence, it is very important to check if a 3D CBCT manufacturer has its own **in house sensor technology**.

3

2D Image Quality The decision to buy a 3D CBCT should always check what is included in the equipment package. As 3D imaging systems usually have the capability of panoramic, cephalometric, and the 3D CBCT imaging, dentists need to check what is included in the equipment. On many occasions in any dental diagnostics, **dentists still use panoramic images as the first step of imaging**. Therefore, when choosing a 3D CBCT, dentists should be aware of exactly what type of panoramic image they are getting. Often, 3D CBCT equipment can ignore the need for high quality and innovative panoramic systems, by only offering reconstructed panoramic options. Other 3D CBCT equipment only offer older panoramic technology, with only single layer images viewable. As such, dentists and their staff should choose their 3D CBCT and understand what 2D images they receive.

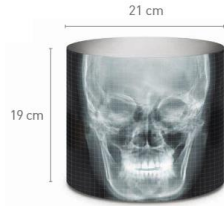
4

3D Software Benefits When purchasing any imaging equipment, it can be easy to be overwhelmed by the new machinery and hardware. However, dentists should always remember that their interaction with the 3D CBCT imaging revolves around how they can use the image to prepare their treatment. **Dentists should choose software based on its ease of use and power**. By power, they need to understand what treatments can be simulated and prepared. Dentists should always request a software demonstration to truly understand the 3D CBCT capability.

Why Vatech 3D?

Various FOV options

Vatech's choice of FOV options means that all dental specialties are met. With FOV's specifically designed for dual arches, all the way to FOV's for the full skull, dentists can be assured that their treatment options are personalised for their treatment requirements.



Smart Plus: Anatomical 12x9

Green 16: 5x5 to 16x9

Green 17x15: 5x5 to 17x15

Green21: 8x8 to 21x19

In house manufacturing

Vatech's innovative and high-quality **manufacturing of core parts, including sensors**, means that Vatech can ensure high quality and reliable 3D CBCT equipment. Vatech is so confident in the 3D CBCT parts, that they can offer **up to 10 year core part warranty**.

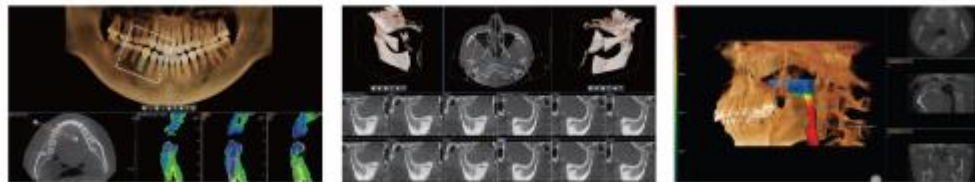
High Quality Images

Long term expertise in the research and development in both dental hardware and software means that **Vatech accustomed to providing the highest quality images**. For example, VATECH developed an advanced dental image reconstruction algorithm that provides higher quality images. 3D solutions from VATECH use **a reconstruction algorithm similar to that of medical CTs** instead of conventional dental CT algorithms.

Ease of use

Even the highest quality image is useless without the ability of dentists to use the diagnostics in treatment. Vatech has carefully designed the software so that all dentists regardless of experience can easily navigate it. The software's functions means that diagnostic imaging can be a welcome addition to the clinic by opening simple and accurate methods for dental treatments.

Check our 3D software demonstration videos on [our YouTube channel](#).



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