

Compatibility Assurance

Denracle products are manufactured under the process conform to GMP & ISO regulations. All products are CE certified. The product design and development team consists of dental, engineering and dental material experts. The equipment applied for production are swiss-type lathes. In addition, severe in-production and post-production QC ensure all products are compatible to branded parts.



Figure 1: CNC Process (Swiss Type Millturn)

This report demonstrates the Denracle analog (GT-NN-N) and Ti base are fully compatible with those from Straumann Tissue Level NN.

Precision Measurement

Measuring device: 2.5D Image Processing Measuring Instrument

Measuring method: compare the following items between Denracle products and branded ones:

- (1) the geometric shape of the connection (interface)
- (2) the opposite sides of the Octagon connection.



Figure 2: 2.5D Image Processing Measuring

Measurement 1: Connection Geometry of Analogs

Under 2.5D image processing measurement instrument, the connection geometry of the Denracle analog and Straumann Tissue Level NN analog are identical. Both are in octagon shape.

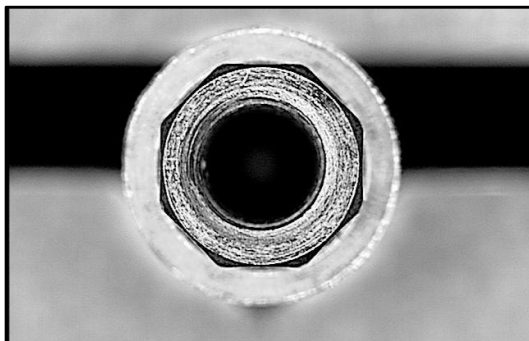


Figure 3: Denracle analog connection

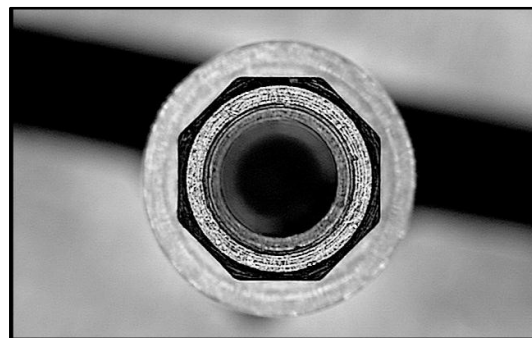
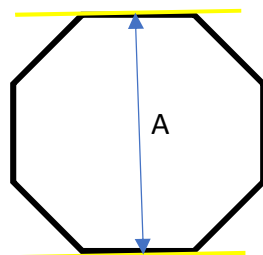


Figure 4: Straumann analog connection

Measurement 2: Opposing Sides of Connection of Analogs

Measure length A between the two yellow opposing sides on the connections of both Denracle and Straumann analogs.



The distance of A of the Denracle Analog is 2.583mm.

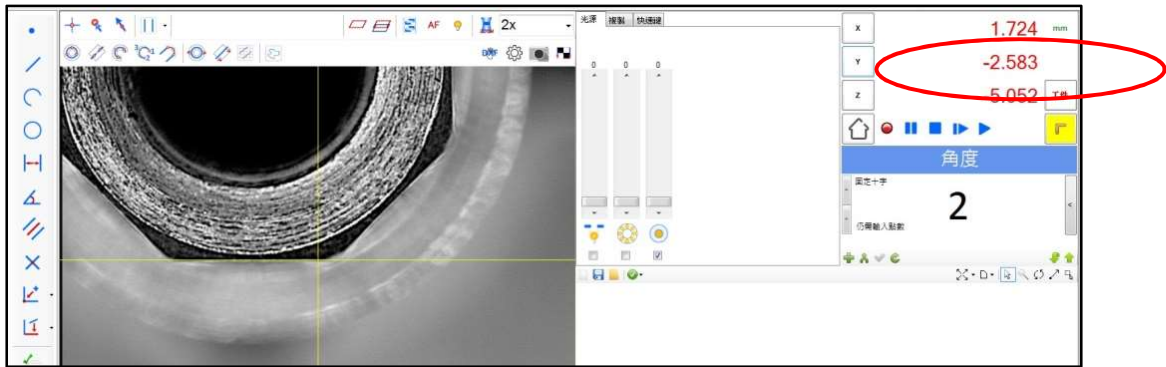


Figure 5: Denracle Analog under 2.5D measurement device

The distance of A of the Straumann Analog is 2.588mm.

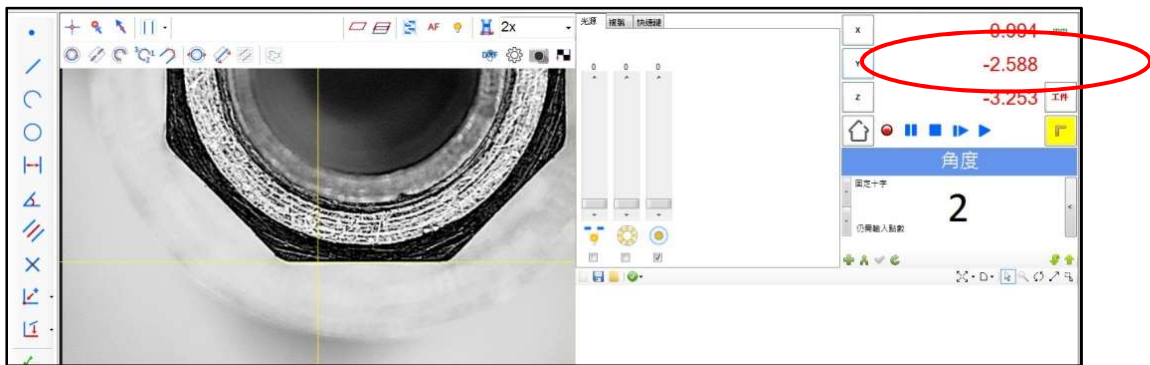
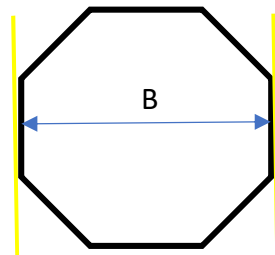


Figure 6: Straumann Analog under 2.5D measurement device

Measure length B between the two yellow opposing sides on the connections of both Denracl and Straumann analogs.



The distance of B of the Denracle Analog is 2.583mm.

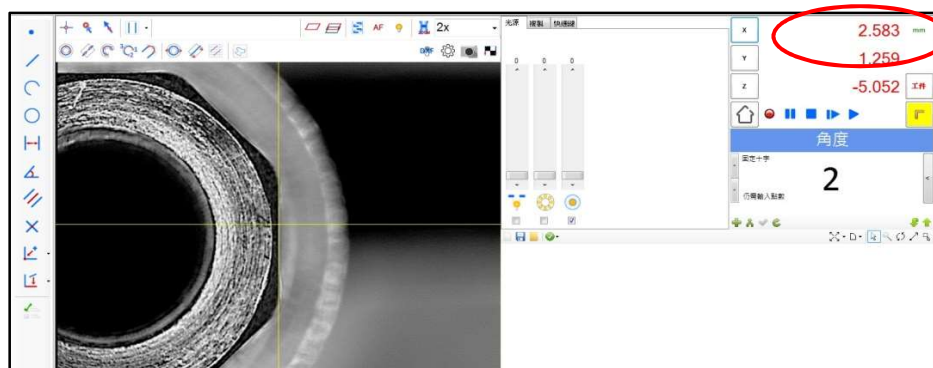


Figure 7: Denracle Analog under 2.5D measurement device

The distance of B of the Straumann Analog is 2.585mm.

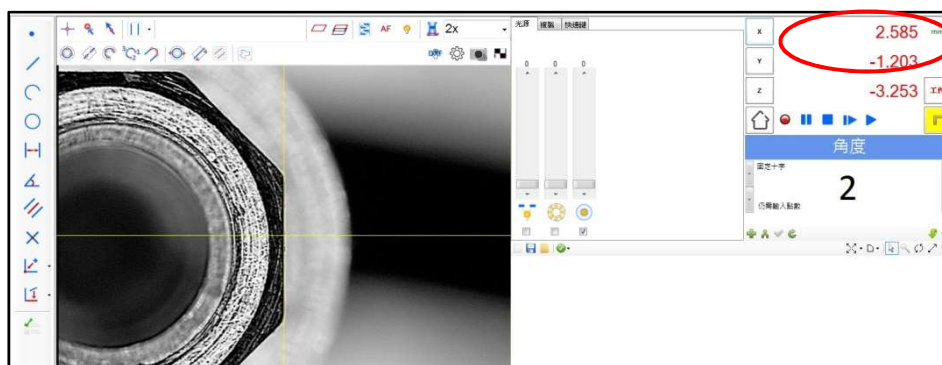


Figure 8: Straumann Analog under 2.5D measurement device

By the comparison, the tolerance is around 2 to 5 microns and therefore both connections are compatible.

Measurement 3: Connection Geometry of Titanium Base

Under 2.5D image processing measurement instrument, the connection geometry of the Denracle Ti base and Straumann Tissue Level NN Ti base are identical. Both are in octagon shape.

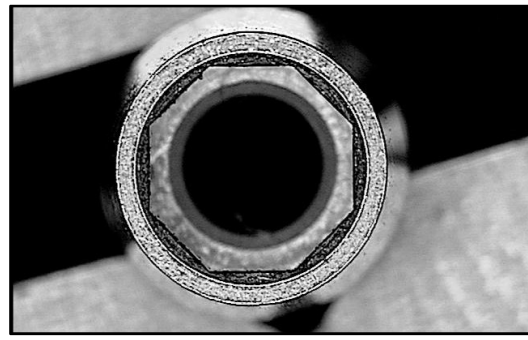
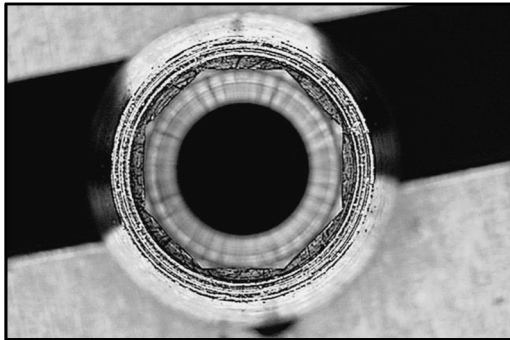
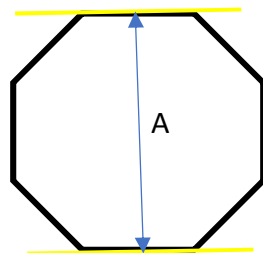


Figure 9: Denracle Ti base connection

Figure 10: Straumann Ti base connection

Measurement 4: Opposing Sides of Connection of Ti base

Measure length A between the two yellow opposing sides on the connections of both Denracle and Straumann Ti bases.



The distance of A of the Denracle Ti base is 2.619 mm.

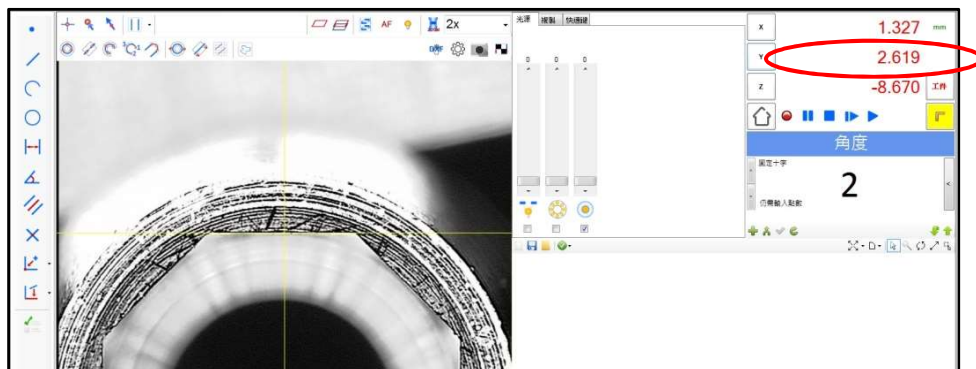


Figure 11: Denracle Ti base under 2.5D measurement device

The distance of A of the Straumann Ti base is 2.615mm.

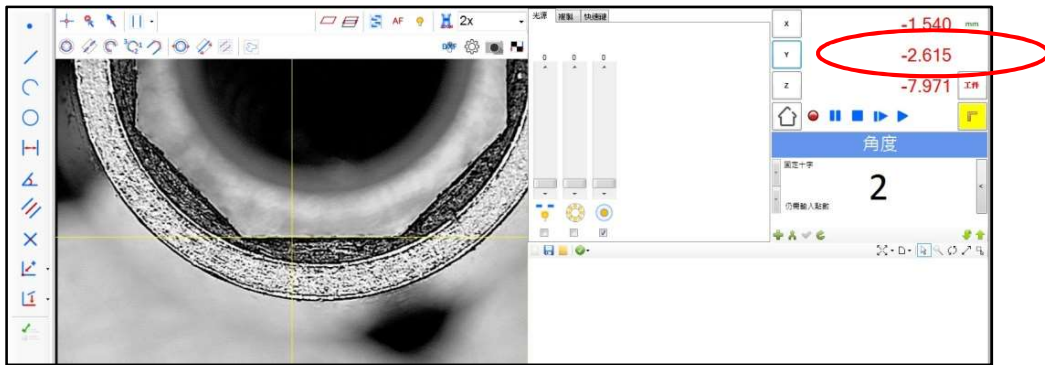
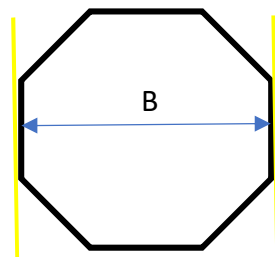


Figure 12: Straumann Ti base under 2.5D measurement device

Measure length B between the two yellow opposing sides on the connections of both Denracle and Straumann analogs.



The distance of B of the Denracle Ti base is 2.618 mm.

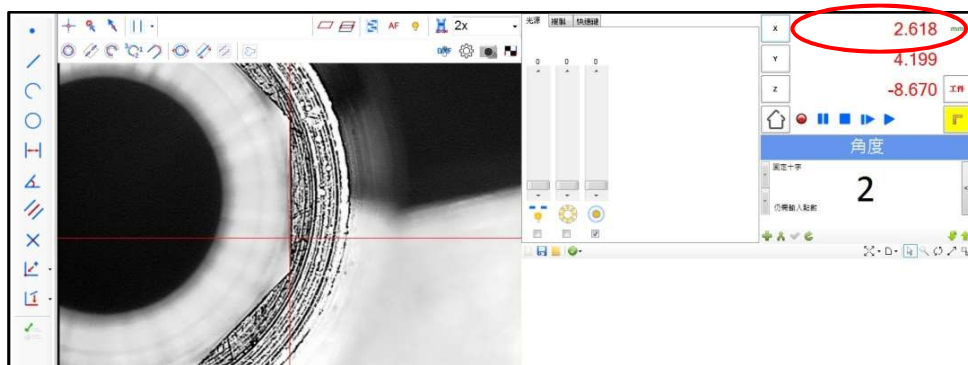


Figure 13: Denracle Ti base under 2.5D measurement device

The distance of B of the Straumann Ti base is 2.616 mm.

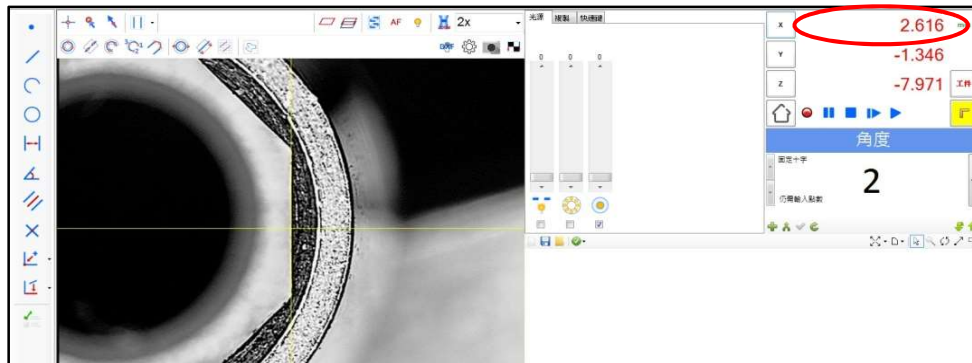


Figure 14: Straumann Ti base under 2.5D measurement device

By the comparison, the tolerance is around 2 to 4 microns and therefore both connections are compatible.

Whenever you choose Denracle, you choose not only a product but a guarantee on quality, precision and a 100% trust-worthy partner.