



CAD/CAM | SCANNING | MILLING | SINTERING | MATERIALS

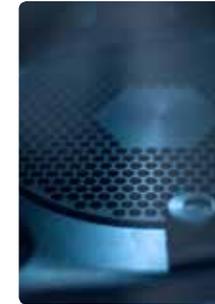


# ORCA | Spinner

WHITE LIGHT SCANNER

*A dolphin's eyes are laterally placed, providing a wide field of vision enabling the dolphin to see forward, laterally, and even rearward. It can also see completely opposing angles simultaneously.*

**A PERFECT RESTORATION STARTS WITH PERFECTLY ACCURATE IMAGING, WHICH IS WHY AT DELFIN, WE DIDN'T THINK GOOD WAS GOOD ENOUGH. YOU NEED AN IMAGE THAT CAPTURES EVERY NUANCE FROM EVERY ANGLE, AND WE'RE PROUD TO BRING YOU AN INNOVATIVE SCANNER THAT ACCOMPLISHES PRECISELY THAT.**



## **White Light Imaging**

White Light Imaging is the most accurate process for measuring the physical geometrical characteristics of a three-dimensional object, and is far more accurate than the widely used laser scanning process.

That's why ORCA's Spinner employs the technologically superior white light process, which is capable of astoundingly precise scans that are accurate to within 65 nanometers!



## **Ease**

As easy as as easy can be, simply load the model and let Delfin's scanning technology handle the rest.



## **Speed**

At 30 seconds per unit, and only 3 minutes for a full arch, Spinner is up to 3 times faster than other imaging systems.



## **Accuracy**

With precision down to the nanometer level, you'll be confidently producing scans that result in a superior fit.



## PRECISE. SIMPLE. FAST.

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### Technical Specifications

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System setup: *Integrated system setup with sensor, positioning unit and electronic*

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Dimensions: *W 380 x D 380 x H 350 mm*

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Camera sensor: *b/w, CCD, USB*

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Camera resolution: *1.296 x 964 pixel*

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Projection technology:  
*Miniaturised Projection Technique*

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Light source: *3 W LED (white)*

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Number of projected fringes: *128*

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Minimum acquisition time: *1.3 sec per scan (980 msec in the fast mode)*

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Sensor weight: *18 kg*

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Power supply: *AC 110 / 220 Volt, 50 – 60 Hz*

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Control unit: *150 W, USB 2.0*

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*The ORCA Spinner delivers optimal scans leading to picture-perfect dental restorations.*

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### Field of View (FOV)

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Triangulation angle:  
*20 degrees*

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Base length: *50 mm*

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Operating distance: *170 mm*

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Field of view [mm] (1): *120*

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Field of view size [mm] (2):  
*70 x 90*

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Measuring depth [mm] (3):  
*50*

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x,y resolution [ $\mu$ m] (4): *75*

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Resolution limit (z) [ $\mu$ m]  
(5): *5*

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Noise (z) [ $\mu$ m] (6):  *$\pm 6$*

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Feature accuracy [ $\mu$ m] (7):  
 *$\pm 20$*

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