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Vinyl

High Resolution

High Resolution
For maximum global
and detail accuracy

High Performance
For the ideal balance
between speed
and precision

High Ambition
For laboratories for which
no task is too difficult



- ✓ High resolution camera
- ✓ Blue Light LED
- ✓ HR and LR mode
- ✓ Texture scan monochrome
- ✓ Touchscreen
- ✓ 36 month warranty
- ✓ Virtual articulator
- ✓ Texture scan color
- ✓ LED status bar
- ✓ 4 μm according to ISO 12836
- ✓ secondDie and multiDie
- ✓ multiCase
- ✓ Fully automated Z-axis
- ✓ dental Scan
- ✓ Triple Tray[®] impression scan
- ✓ Universal mode

Compatible with exocad[®] Dental CAD | smart optics recommends using the Dell Precision 3630 CTO for the scan



Vinyl High Resolution

The Vinyl HR impresses with the highest precision in global and detail accuracy, which enables the user to scan every dental indication to the highest requirements.

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Device	
Dimension (W × H × D)	455 × 430 × 420 mm
Weight	23 kg
Interfaces	1 × USB, 1 × IEC connector
Power supply	100-240 VAC, 50/60 Hz
Warranty	36 months

Measurement	
Measurement field (X × Y × Z)	80 × 60 × 85 mm
Accuracy (according to ISO 12836)	4 μm
Resolution	2.8 (1.4) MP

Measurement time		
Complete jaw	Scanning	18 sec
	Matching	17 sec
	Total	35 sec
Single tooth	Scanning	35 sec
	Matching	14 sec
	Total	49 sec
3-unit bridge	Scanning	50 sec
	Matching	25 sec
	Total	75 sec

For idealists

Vinyl High Resolution

- > High Performance**
 For maximum overall and detail accuracy
- > High Resolution**
 For the ideal balance between speed and precision
- > High Ambition**
 For laboratories for which no task is too difficult



The Vinyl High Resolution is the third member of the Vinyl series and the new flagship from smart optics. Its outstanding feature is the enormously high level of efficiency and accuracy, which enables every dental technician to master even the most complicated tasks effortlessly. Owing to its repeat accuracy of up to 4 μm according to DIN ISO 12836, the Vinyl HR is ideally suited for all common indications in dental technology. Its sensor unit, advanced with a modern high-performance camera and Blue-Light LED, is state-of-the-art. Thus the Vinyl HR combines unsurpassed global and detail accuracy.

Unique is that the user can influence the scanning quality himself by activating and deactivating the high resolution mode. Depending on the application, the user can therefore decide whether high-precision detail accuracy and thus a higher data density are required, or whether a higher speed with a lower level of detail is sufficient. However, the Vinyl HR is also predestined for large-span implant work or complex bar constructions, as the global accuracy is excellent even when the HR mode is deactivated and does not need to shy away from any comparison.

The scope of delivery of the Vinyl High Resolution includes all modules without additional costs for the laboratory. This allows the user to choose between various project-related features. In addition to the condyle-related articulator scan, the multiDie, Triple Tray[®] and secondDie scan options can also be selected. Furthermore, one can decide whether the models should be captured in monochrome or in color.

The innovative Z-axis automatically moves the scan object to the correct height, so that the user only has to intervene in the scanning process in rare exceptional cases. The status display at the bottom of the Z-axis also indicates whether the device is ready for operation or whether a prompt needs to be confirmed.

But not only the scan results are formidable. Like the Vinyl, the Vinyl HR also impresses by its innovative housing design. In 2018, the Vinyl series won the popular Red Dot Design Award. „The 3D scanner Vinyl inspires with its high-contrast interplay of colors, materials and surfaces, which make it a real eye-catcher!“ was the conclusion of the jury consisting of 20 international experts.

