

Presentation of the latest 3D Scanner from the Activity series and three other trade fair novelties to come at EUROMOLD 2010

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The 3D specialist smart optics, best known as an OEM manufacturer, has expanded its successful line of dental scanners with two new general-use models as well as a third for use in the orthodontics industry. These will be introduced at EUROMOLD 2010 in December.

The interactively-operated Activity 91, a semi-motorized five-axis scanner used for measuring objects as large as 200 x 200 x 100 mm, will be presented in Hall 8 at Stand C 07. This compact model digitally scans smaller- to medium-sized bodies at a high resolution and detail.

Whereas there are numerous scanners in the market based on lasers and tactile technology that usually offer an accuracy of around 100 μm , or are even less accurate, the Activity line of scanners achieves a precision of 10 μm or lower in normal operation. With optional accessories, the accuracy can even be optimized to just a few micrometers.

The Activity 91 scanner is based on an interactive, simple-to-use interface that does not require the typical supplemental programming, and thus allows scan procedures to be carried out more efficiently. Scans are produced in STL format and are therefore accessible to the best-known CAD/CAM software, such as Geomagic.

A brand-new, compact orthodontics scanner from smart optics will be making its world premiere at EUROMOLD this year. This scanner captivates with its appearance and cozy design, not to mention the expedience with which it measures complete jaws. It can be seen in Hall 8 at the smart optics booth (Stand C 07).

Activity 102, the only scanner model to offer a scan fixator, will be at EUROMOLD 2010 with custom fixators available offering compatibility with a wide variety of articulators.

As well, a cast model designer for occlusions and jaws is now on offer as an add-on software module. This supplementary feature allows for seamless 3D printing regardless of the CAD software employed.

Activity scanners make use of stripe projection with white light sourced by a long-lasting high-performance LED. This measurement technology is considerably more tolerant of variant surfaces and color characteristics in comparison to laser-based scanners, for example.

All scanners, including OEM products, are produced in Germany and offer significant value for your investment.

Please contact smart optics if you would like further technical information and/or flyers. smart optics would be glad to carry out a comparative test with other scanning devices on the market.