dental lab products
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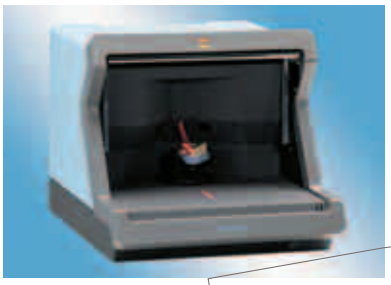
INNOVATIONS
www.dentalproducts.net

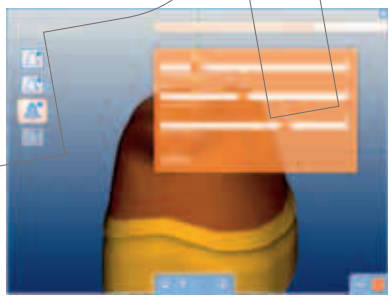
Features

- Optical scanner scans dies and models for crowns, bridges, and abutments
- Scan time of less than 20 seconds per unit
- Scanning precision of 10 microns or less
- Connects to milling unit or runs in network environment

DENTSPLY Ceramco
570 West College Avenue
York, PA 17404 • 800-243-1942
www.ceramco.com



A proprietary three-camera system tracks a laser line reflection across the surface of a die to obtain precision scans of a model in less than 20 seconds. Accuracy of the scan is 10 microns or better.



The scan data is transmitted to the CerconArt CAD software for framework or coping design.

The completed and highly esthetic three-unit bridge with a substructure scanned, designed, and milled by the Cercon CAD/CAM system.

Scanning precision

Stand-alone scanner for the Cercon CAD/CAM system.

Information provided by DENTSPLY Prosthetics.

The latest component to the **Cercon CAD/CAM** system is the Cercon Eye stand-alone optical scanner. Equipped with three cameras as well as a laser, the scanning unit works in conjunction with the company's CerconArt CAD software module to scan and design single copings, bridge frameworks, or implant abutments to be milled from zirconia in the Cercon Brain milling unit. The optical non-contact scanner handles single dies, full-arch models, or wax copings on a large scan platform that can digitally map up to 16 units at one time. With a scan time of less than 20 seconds per unit and a scanning precision of 10 microns or less, the optical scanner is capable of reading difficult geometries such as undercuts. The scanner connects easily to the Cercon Brain unit for milling frameworks or operates in a network environment, making it adaptable to any size laboratory. lab

Cercon Eye and CerconArt in combination produce results with repeatably precise fits, improving lab efficiencies. The designed framework is electronically transmitted to the in-house Cercon Brain milling unit or can be sent digitally from a remote location to a laboratory with the Cercon Brain milling system for outsourcing opportunities.