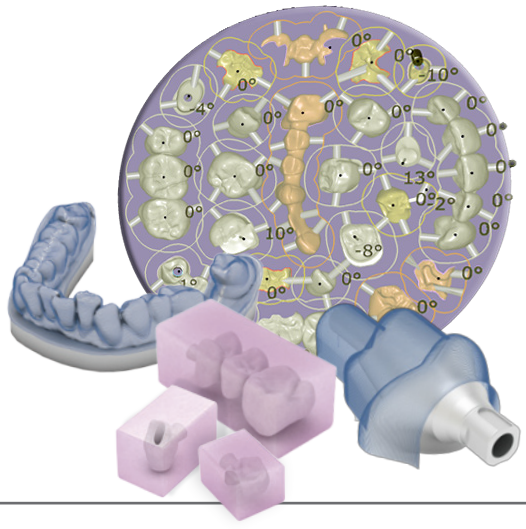
cameoCNC

automated intelligence for the Dental Industry



Design and manufacturing methods that reduce costs and improve quality and productivity are the ways to a successful dental business.

To assure maximum quality, fast deliveries and high, predictable profits in today's highly competitive business environment, it is critical that the most common roadblocks associated with the world of digital dentistry be eliminated or avoided.
These roadblocks include:

- Limitations to the types of restorations that can be manufactured.
- Limitations to the types of materials and providers that you can utilize.
- Process inaccuracies resulting in poor fits and excessive re-work.
- Poor quality of surface finish.
- Inability to import data from external or non-native sources.
- Being locked into current supplier.

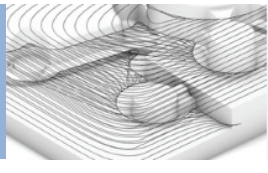
cameoNC is a 3-, 4- and 5-axis CAM milling program to help you manufacture simple and anatomical copings and bridge frameworks, inlays, on-lays, dental bars, implant bridges, and customized abutments.

This completely "open" CAM system uses industry-standard formats to enable easy model sharing and connectivity between other open CADCAM systems and CNC machines.

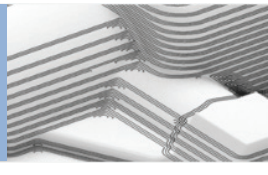
It is based on the CAM markets leading machining kernel, Moduleworks, which owns an approximate 60% share of the industrial market and a 30% market share in the Dental industry due to it's fast, accurate, time-saving machining strategies and simulation capabilities.

Rough

Adaptive Rough



Rest Rough



Constant Cusp

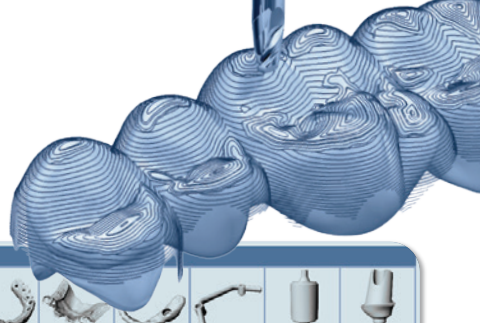
Projection

Rough, Adaptive Rough, Rest Rough, Constant Cusp, Projection and much more. Users can choose from a wide variety of machining strategies within the cameoNC dental framework. Using a sequence of these roughing, finishing, and rest finishing patterns, restorations can be manufactured with uncompromising quality.

STATE-OF-THE-ART FRAMEWORK

The cameoNC Dental Framework provides high performance 3-axis and 5-axis milling and grinding strategies while its Open-machining template libraries allows for the manufacture of a wide spectrum of Dental Indications.

Muse Technology provides intelligent & fully automated 5-Axis processing with greater accuracy, high-quality finishes & reduced hand-finishing.

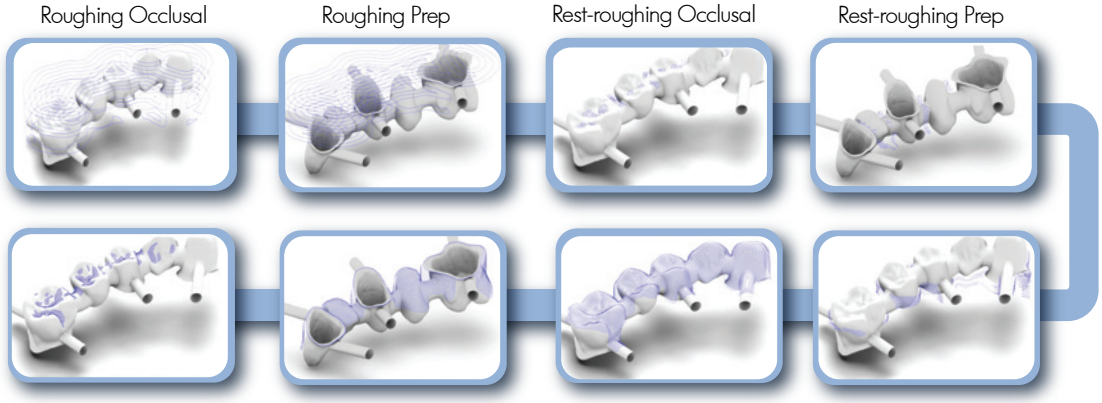


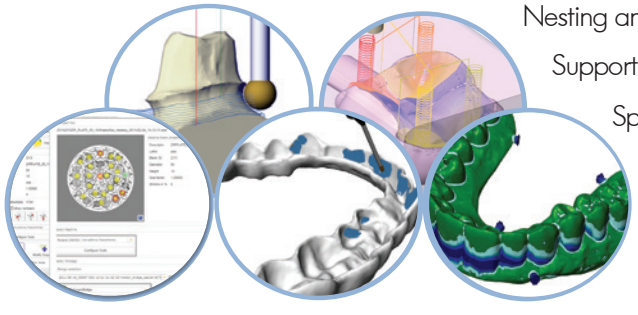
FEATURES & INDICATIONS

	DENTAL INDICATIONS															
Available / Coming Soon / Not Applicable	Coping	Crown	Inlay	Onlay	Titanium based Abutments	Veneer	Telescope	Bridge	Splint	Model	Denture	Implant-Bridge	Partial-Denture	Surgical Guide	Bar	Pre-mill	Implant based Abutments
Milling (Zirconia, Plastics and Metals)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Grinding (Glass Ceramics)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

- Fully integrated or stand-alone solution utilizing the exocad framework.
- Flexible, Open-system enables production from any Design software.
- Fast & easy set-up.
- Complete integration into exocad environment.
- Powered by Moduleworks, the leading supplier of CAM software components.
- Fully customizable with *Muse* which enables adaptations of new styles of indications, materials and restorations.
- Calculation of production data in as little as 16 minutes for a fully nested zirconia disc.

The milling process typically includes rough and rest-roughing toolpaths from the occlusal and prep sides as shown on the top row. The process then continues with finishing toolpath processing using constant cusp and/or constant-Z pattern finishing for steep areas. The process is then completed utilizing rest-finishing for smaller detailed fissure areas.





Nesting and block management through exocam and the exocad framework.

Support for ball, bull, flat and tapered burs. Lollipop and barrel cutters too.

Specialized machining crown, prep and pin machining strategies for glass-ceramic restorations.

Automatic undercut machining for both 3+2 and simultaneous modes.

Simulation and identification of uncut and undercut areas.

cameo Dental Solutions

Axsys Dental Solutions

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