

PRECISION NEWS

BRAND NEW TITANIUM CAD/CAM MILLED CROWNS ARE HERE!



Titanium CAD/CAM Milled Canine Crown

WHY TITANIUM?

Since the early 1950s, titanium alloys have become the backbone materials for the aerospace, energy, and chemical industries. However, during the last ten years, this wonder metal has also become the material of choice in dentistry for the construction of prosthetic appliances because of its unique combination of chemical, physical, and biological properties. For Veterinary Dentistry Patients, titanium's biocompatibility, corrosion resistance, strength, shape memory, and light weight are key factors that make this a perfect choice for crowns, especially for working dogs and other large animal applications.

Titanium is twice as strong as comparable gold crowns and half the weight. It is also more cost-effective and precisely fabricated with CAD/CAM design and cutting-edge milling technology. Precision Ceramics Dental Laboratory has been the leader in titanium crowns dating back to the earliest use in Veterinary Dentistry and their success rate with working dogs and large animals such as elephants, lions, and cheetahs is legendary and well documented.



Our titanium mill, where all the magic happens!

In Veterinary Dentistry, strength and resistance are usually more important than aesthetics thus the best prosthodontics crown material for working animals is titanium metal restorations for its strength, fabrication speed, and biocompatibility.



Meet Jax. Here he is showing off a Titanium CAD/CAM Milled Crown on his lower right canine.

GREAT OPTION FOR WORKING DOGS!

Bob Killen
February 2020
Precision Ceramics Dental Laboratory

Dental fractures are not uncommon events for working dogs, costing \$20,000 to \$50,000, and sometimes more. When you consider the pain and the downtime due to tooth or multiple tooth loss, a valued K9 partner that is out of service for weeks can be costly. "At Precision Ceramics, we understand the loss value of a working dog," says Katherine Pohjola, VP and General Manager. "That's why we have added CAD/CAM technology and titanium mills to our laboratory operations. This workflow, which consists of digital impression scanning, CAD/CAM design processing, and precision titanium milling, reduces lab time by 40% over conventional processes."

Precision technicians scan impressions from its vet dentists to create a virtual, computer-generated replica of the hard and soft tissue, a process that leaves less room for human error. Once the digital file has been created, the case proceeds directly to CAD/CAM design and titanium mill fabrication, eliminating the time-consuming steps of casting the prosthetic.

Pohjola also points out that, while the lab's new CAD/CAM technologies mean a faster turnaround time, and error-free milling fabrication means that when our Veterinary Dentists receive their titanium crowns, seating the prosthetics is more efficient and these valued K9 partners are back on the street quicker, and all of us are safer."

Precision Ceramics Dental Laboratory is a recognized leader in the field of Veterinary Dentistry with more than three decades of experience and service.