



If you are an avid hunter, a competitive shooter, or a Navy SEAL, in all probability, you use Nightforce riflescopes. If you don't, you really should check their products out. Especially the B.E.A.S.T.TM

Before we skip ahead it is noteworthy to learn more about Nightforce and its founder Dr Raymond L Dennis, a self made entrepreneur who put himself through dental school some years back before he decided to follow his dream.

Back in 1992, Dr. Raymond L. Dennis (also known as "Ray" to his staff and friends), an Australian hunter and shooter had a problem. You see, hunting at night in Australia is not only legal, but also wildly popular. Several years earlier, Ray had founded LIGHTFORCE in Australia to manufacture the finest hand-held sporting/spotlights on the planet. LIGHTFORCE then went forward into manufacturing high-performance automotive driving lights for night hunting. The new automotive lights coupled with the hand-held sporting lights vastly improved the hunter's ability to find and spot targets in the darkness.

Trouble was, there was no riflescope on the market of sufficient quality to take advantage of Ray's superb lights. So he set out to build his own. He founded NightForce Optics, and he based his start-up company in 'Gods Country', in a small town in Idaho, called Orofino.

The principles he followed then have remained unchanged over two decades—to gather the finest materials, utilize the most advanced technology and talent, cut no corners whatsoever, and build what is simply the most rugged, most precise, most uncompromising riflescope money can buy.

Judging by the growth of the company he founded, he succeeded beyond his wildest dreams. The company remains privately held today, and Dr Dennis splits his time between two country towns in two continents: Adelaide, Australia and Orofino, Idaho, USA. Needless to say, Dr. Dennis does not practice as a dentist anymore.

Today, Nightforce riflescopes are used by professional and competition shooters, avid hunters and our armed forces under incredibly demanding conditions in every corner of the globe.

There are a number of reasons why Nightforce riflescopes are the best in the industry, but one key advantage comes from products that are designed, inspected, built and serviced by Nightforce riflescope users: more than 60% of the team at Nightforce are avid users of the products they make.

Every single scope Nightforce sells is thoroughly inspected and tested by hand at their Idaho headquarters. Each scope is hand built and is checked at 70 to 130 different points, depending on the model, and must pass a battery



of tests that would, frankly, destroy a lesser-quality scope. The tests include forward impact, side impact, tracking accuracy and resolution integrity.

All Nightforce riflescopes are subjected to abuse during product development that would quickly destroy lesser optics. Pre-production riflescopes are tested in a pressure tank simulating 100 feet of water for 24 hours, ensuring absolute waterproof integrity. Then, they are tested for thermal stability by freezing them to -80°F, then heating them to 160°F within a one-hour period. Function is checked at both temperature extremes.

The most important features to look for in a long-range rifle scope are absolute point of impact and unconditional adjustments that yield the utmost in repeatable and precision adjustments values. Many riflescope manufacturers try to cloud the issue by touting optical excellence, or some revolutionary ballistic compensation system. However, without mechanical precision and quality control processes to ensure the product delivered is perfect, fancy adjustments and great optical performance are useless.

The first and most important function a riflescope must perform is precise aiming. If the lens elements shift, or the lens cells don't fit precisely, the aiming point can shift from the slightest impact and even mild recoil. Nightforce tests every single riflescope for off axis point of impact shift along with dozens of other causes of aiming error. If the scope doesn't pass, it doesn't ship.

It almost isn't fair. Nightforce NXSTTM and Precision Benchrest riflescopes already have taken more long-range world records than any other brand. Now, with the introduction of their 15-55×52 CompetitionTM, the bar has been raised to lofty new heights. It is a riflescope so good, so advanced, that you will blow away your competition. Not literally, of course. Nightforce is a proud member of a number of industry associations, including the NRA and the National Sports Shooting Foundation (NSSF), and actively promotes safe gun handling.

With several years of double-digit growth, Nightforce embarked on a \$1 million expansion of their headquarters in 2011. It was completed

last year, just in time to support their most extraordinary growth in the history of the company. The expansion facilitated faster delivery times, more R&D capabilities, and even better customer service. It has also resulted in the introduction of 3 new riflescopes this year!

Until a few years ago, Nightforce was handwriting their programs. As the company grew, this was no longer a feasible option, Nightforce programmer Aaron Snyder said. "I was very familiar with other CAM programs from school, but hadn't had any experience with Delcam's FeatureCAM software. The package that the management team selected prior to me joining about 5 years ago."

Aaron said. "Today, I am a true believer in the software! It is the most user friendly CAM software on the market, it is faster to learn than other software packages, and I can make changes much quicker than what is possible with other packages." The company utilizes the Delcam software in both their production and R&D environments. Aaron elaborated, "We use FeatureCAM for everything from making minor changes in a part to designing a part from just a print or an idea. We use FeatureCAM to program parts of a scope or tooling to make the scope tech's job easier. FeatureCAM makes it very easy for me to accommodate these needs in the company."

Jesse Daniels, management team member, says, "When we are looking at a new R&D project, with Delcam, Aaron hops on the computer, and put together a CAM program, and within a month we've got a full functioning component prototype. This is invaluable to our business."

The team at Nightforce finds Delcam's customer support to be outstanding. Aaron says that whenever he has a question, Sales Engineer Ben Gowers is just a call away. And if it is something Ben can't fix or assist the team at Nightforce with, he gets Delcam's Technical Support involved



immediately. Aaron admits that, given Delcam's ease of use, calls to Ben and the Delcam technical support center are infrequent.

About the B.E.A.S.T.™

The U.S. military spoke. Nightforce listened. The playing field in warfare has changed. Our military snipers are engaging targets at ever-increasing ranges; extremely difficult targets demanding levels of positive identification, accuracy and optical performance that were impossible with existing technology. Recognizing this, the U.S. military threw out all the conventions associated with tactical day scopes, and requested a riflescope unlike any ever created.

Why is the most advanced riflescope on the market today called the B.E.A.S.T.? It has nothing to do with size, weight, or appearance. Nightforce's engineers were asked to do what was thought impossible...to create a riflescope the likes of which had never been built before. To invent radical new technologies that solve old problems inherent to competitor's products. And to include capabilities and features that for years had been nothing but pipe dreams. Cut no corners, they were told. Then build it. It was a challenge so demanding, so taxing, at times so overwhelming, that the concept became known as "a beast," both for the difficulties it presented and for the times when it seemed they had created a monster. When they succeeded, and it came time to give the newest Nightforce riflescope a name, nothing else seemed appropriate. "But you can't call a riflescope a "beast," some folks said. What does that stand for? What will customers think? They'll think it stands for "Best Example of Advanced Scope Technology." Because that's what it is.

To learn more about Nightforce products, visit their website at nightforceoptics.com. You can find the dealer closest to you by entering your zip code. And if you are a superior machinist looking to relocate to rural Orofino, Idaho, you will find an outstanding work environment with a 401K plan, 100% medical coverage, 4-day workweeks and more. Call 208-476-9814 to learn more about opportunities or visit nightforceoptics.com.

Delcam just recently launched its FeatureCAM 2013. FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines.

The main change to the 2013 FeatureCAM product family has been the introduction of three levels of 3D machining functionality. FeatureMILL 3D Lite offers single-surface machining with a basic range of strategies and so provides an introductory product for companies moving into 3D machining for the first time.

For more information on the Delcam suite of software, call them at 1-877-DELCAM1 or visit their website at delcam.com.



The hole you see in the well-used Nightforce 3.5-15 x 50 NXS rifle-scope was made by an enemy 7.62×39 round fired at a U.S. soldier.

The bullet completely penetrated the erector tube—the heart of the scope's optical system. We're happy to report that the soldier was not injured, and the only casualty is the riflescope's magnification ring, frozen on 15x. Its focus, tracking, and all other functions work just fine. It holds point of aim like new.

The soldier wrapped the riflescope in duct tape to keep out sand and dirt, and used it without a problem for the next three days, completing his mission. Because Nightforce riflescopes are used in active theaters by most of the elite special forces worldwide, they are subjected to—and survive—the most brutal conditions imaginable.