

No great product happens by accident, and here at COMP Cams® nothing we make is by random chance. As a matter of fact, our focus and mission is to design, manufacture and deliver the very best products and services on the globe.

COMP Cams® provides our customers with a wide range of products for a wide range of applications. And in the case of our valve springs, we are second to none in our broad offering of the finest application-specific springs in the marketplace.

For the professional engine builder, we offer our superior 26000 series springs which are presented in this publication.

The 26000 series represents the continuing evolution in our spring design program. As engine demands increase, spring demands increase, leading to our science of producing custom tailored springs. This technique integrates our superior spring designs with the latest manufacturing processes and the finest materials, to produce the most application-specific springs available anywhere.

Within our 26000 series you will find our new 26500 Pro PAC™ springs. These new springs are the top of our line and represent a high-tech break through in design and manufacturing using the ultimate in material and manufacturing processes.

Five years in the making, Pro PAC™ springs have raised spring life and longevity to a significant new level. They are designed to withstand the ultimate and most demanding conditions of any spring for their applications.

Pro PAC™ springs are crafted from the ultimate in high-tech super-clean chrome silicon alloy materials and are made utilizing the most advanced techniques in the industry. They are held to tighter stress relief and shot peen tolerances than any spring available. The manufacturing process produces a spring that has significantly more operating load resistance than any spring available, and is the key to extended life and durability.

Pro PAC™ springs are packaged in individual spring enclosures that are specially designed to prevent any rust formation as well as any incidental spring-to-spring contact during shipping. This exclusive feature of the Pro PAC™ springs prevents any surface imperfections that could otherwise occur to the super high-tech surface of the Pro PAC™ springs.

In addition to the 26000 series, COMP Cams® offers an additional range of application-specific springs through our 900 series. For full information on the 900 series and all of our other superior products, please refer to our full line catalog or visit our web site at www.compcams.com.

Real world engineering and design

Design Quest

In our quest to offer the best products and services, COMP Cams® has spared no expense in personnel or equipment.

This philosophy keeps us on the cutting edge of design and manufacture of all of our products, and sets a pace that others can only pursue.

The result of our enormous investment in personnel, expertise and equipment is no more evident than in the manufacture of our 26000 series racing valve springs.

From design to manufacture, COMP Cams® delivers advantages to you that are found nowhere else in the industry.

Design, From the Beginning

From a design standpoint, making a spring does not begin with our engineers. It actually begins with you, our customer.

That may come as a surprise, but at COMP Cams® everything we make is based on what our customers need. That's why our design process begins by listening.

It's easy to understand this, because our technical sales staff is comprised of engine builders and racers who are uniquely qualified to listen and convey your real world needs to our engineering staff.

Design Collaboration

Building on the demands of our customers, our Sales and Engineering staffs meet to jointly develop a new spring concept. Once basic loads, heights and diameters are established the process moves into a design engineering phase.

Our spring design method engages every design and test engineer, manufacturing engineer and metallurgist on our staff. From beginning to end, our spring design method is meticulous, analytical and a concentrated process.

As things move forward, a concept is turned into a blueprint through the use of COMP Cams® advanced proprietary spring design software.

To make this happen, our staff of twelve Engineers come together as a team to collaborate on the spring application being developed.

Each member of our engineering staff specializes in specific areas of valve train design, of them provides expertise from every vantage point of valve train engineering. Their combined knowledge is brought to bear on creating the ultimate spring for application-specific requirements.

Simultaneously, our world-class metallurgists are integrated into the process. Because the

best spring design in the world is for nothing if the ultimate material is not used in its making. And in this, nothing is left to chance.

Our metallurgists formulate the best materials possible for spring wire. They do this through constant in-depth investigation and analysis of materials on the molecular level. And because they do, the best application-specific material is assured.

Our metallurgists stay on a constant quest for the most advanced materials the world over. That means that we lead the way in uncovering new hi-tech materials that keep our products on the cutting edge of technology.

From Blueprint to Prototype

When the spring has been blueprinted, it moves from paper to prototype at our spring manufacturing plant.

Our plant is the best in the world. And our manufacturing engineers are the best in the business. So, as you would expect, prototypes are manufactured under intensive and rigorous standards.

When spring prototypes are made, they are subjected to an extraordinary amount of analysis and testing in a full valve train set up. This process is called system-analysis.