

# HIGH POWER

M O D E L  
R O C K E T R Y



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*North  
Coast  
Rocketry*

by



# North Coast Rocketry

by 

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**North Coast Rocketry by Estes**

1295 H St.  
Penrose, CO 81240  
Phone: (719) 372-6565  
Fax: (719) 372-3419

Dear Customer,

North Coast Rocketry is proud to announce that Estes Industries has acquired the rights to manufacture and market the North Coast Rocketry line of high power kits and motors.

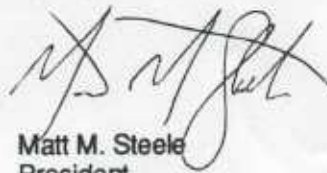
The move further establishes Estes as the world's premier model rocket company, and adds a growing product line that compliment's Estes's existing products.

Matt Steele will continue as President of North Coast Rocketry, but will also assume responsibilities for marketing Estes's rocket products. Dan Kafun, Vice President of North Coast Rocketry, will also join Estes as a senior R&D engineer.

As a result of this transaction, North Coast Rocketry will go into a production hiatus as their products are integrated into the Estes production center. Numerous product improvements are planned for the kits, which will be available in late January. New composite motors will also appear as soon as all government approvals are obtained. We hope to have the motors in place by late spring, but with the government, you never know for sure.

Please contact you local hobby retailer or our customer service department if you have questions.

Sincerely



Matt M. Steele  
President  
North Coast Rocketry



## Eliminator™

Classic sporty lines grace the NCR Eliminator. Designed with high performance and utility in mind, the Eliminator features custom chrome decals, through-the-wall fins and a pre-slotted body tube.

Length: 47"  
Diameter: 3.0"  
Weight: 20 oz.  
NCR 3504



## Interceptor G™

The INTERCEPTOR G lifts off with the excitement of powerful G motors! The Interceptor G represents a futuristic manned interceptor concept in a flying model kit. Colorful decals, plastic molded detailing, and precision laser cut plywood parts make building a snap, with impressive results.

Length: 46"  
Diameter: 2.5"  
Weight: 16 oz.  
NCR 3516



## Lance Beta™

The Lance Beta represents a future tactical nuclear missile for use across the world. Both a bright development test paint scheme and an operational olive drab paint scheme are featured, as well as realistic, detailed decals. The Lance Beta features a 36" ripstop nylon parachute, 1/4" launch lugs, a plastic nose cone and two-color decals.

Length: 45"  
Diameter: 3.0"  
Weight: 20 oz.  
NCR 3506



## SA-14 Archer XL™

The SA-14 Archer XL is patterned after a prototype ship-to-air missile being developed for NATO. The large size and authentic detailing are certain to attract a lot of attention. The SA-14 Archer XL includes balsa strakes, three colorful decal sheets, and pre-cut fins. Easy to assemble and spectacular in flight!

Length: 62"  
Diameter: 4.0"  
Weight: 30 oz.  
NCR 3510



## Bomarc™

The BOMARC, one of America's early, most distinctive surface to air missiles, is scaled in this beautiful North Coast Rocketry model. The kit features molded plastic parts, balsa wings, and custom color decals for the CIM-10-A (black) version of the BOMARC. Be the scale "pro" on your flying field with this standard-setting high power model rocket kit.

Length: 54"  
Diameter: 3.0"  
Wingspan: 20"  
Weight: 32 oz.  
NCR 3514



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## Patriot™

The NCR Patriot is a 1/4 scale model of the US Army's anti-aircraft/anti-missile that played a crucial defensive role in the Persian Gulf war. This kit features die cut plywood fins, plastic nose cone, 36" ripstop nylon parachute, and authentic three-color decals. This big bird, standing 54.5" tall and 4" in diameter, looks like the real thing under Impulse™ G power! Get a NCR Patriot and "guard your airspace!"

Length: 54.5"  
Diameter: 4.0"  
Weight: 32 oz.  
NCR 3512



## Big Brute™

If you are looking for an impressive model for sport or demonstration flying, the Big Brute is the answer! This rugged sport model can be flown with Impulse™ F motors on small fields, or punched into orbit on the Impulse™ G motor!

Length: 35"  
Diameter: 4.0"  
Weight: 16 oz.  
NCR 3508



## Phantom Launch Set™

The Phantom 4000 is the perfect kit to start out in high power model rocketry! Impressive both on the ground and in the air, the Phantom 4000 roars to heights of 1,000 feet! Precision laser cut plywood parts and through-the-wall fins make the Phantom 4000 a rugged kit, launch after launch.

The Launch Set also includes the Command Control Launch Controller™ and Modular Launch Pad™. Big rockets require a heavy-duty launcher and a powerful launch controller - - this package fits the bill, at an exceptional value!

Length: 50"  
Diameter: 4.0"  
Weight: 25 oz.  
NCR 3500





# ACCESSORIES



## Command Control™

Take command of your next launch with the ultimate launch controller! With NiCad batteries and heavy-duty launch cable, the Command Control can pour out enough current to ignite engines as fast as you can push the button. Specially designed to handle big rockets. Loaded with safety features and built to last. Batteries sold separately.

**EST 2234**



## Modular Launch Pad

The NCR Modular Launch Pad was designed for those who need an inexpensive, heavy duty launch pad. The easy-to-set-up, easy-to-use modular launch pad is big enough to handle most high-power rockets. The sturdy tripod design is stable on all surfaces, and the white PVC legs require no painting or finishing. The Modular Launch Pad features a 1/4" diameter, 5 foot long rod to guide your rocket skyward. For rockets up to 4 lbs. in weight and 4" in diameter.

**NCR 3552**

## Flight Simulation Software

A series of Macintosh HyperCard stacks that calculates projected altitudes, center of pressure, reduces tracking data and shows how a rocket motor works. Also includes a shroud-making utility. Requires HyperCard 1.2 or higher.

**NCR 3575**

## Ground Support Equipment

The Ground Support Equipment Package puts together the popular Model Launch Pad and LC-2 Launch Controller in one value-priced set!

**NCR 3554**



## Impulse™ Composite Motors

The Impulse™ Composite Model Rocket Motor line is the world's most sophisticated and safest hobby rocket motor ever developed! Professionally designed, using advanced propellants for high performance, Impulse™ composite model rocket motors provide you with unparalleled performance and reliability, flight after flight. One Impulse™ "G" motor has the lifting power of almost 44 standard "A" motors! Rocketry will never be the same!

## High Power Model Rocketry

If you are new to high power rocketry, we've compiled a series of technical reports that will assist you in getting started. High Power Rocketry takes you through a description of high power rocketry to a detailed explanation of composite motors, and advice on glues, construction techniques, stability, launchers and launch controllers.

**NCR 3576**

## Flashpoint™ Igniters

Offered exclusively by North Coast Rocketry, these high-reliability igniters have a high-energy pyrogen to insure easy ignition. These igniters feature small diameter heads to fit most motors. For spectacular, reliable ignition, these are great.

**NCR 3551**



*North Coast Rocketry*