

CGI Gearheads are used in a wide variety of global applications



Bellagio Water Show Equipment



Airport Security Systems



Robotics



Nuclear Rod Handling Equipment



Drones



Medical Devices



For more than 40 years, motion control and automation professionals have turned to CGI, Inc. for their precision gear solutions. Our engineering innovation and manufacturing expertise ensure robust solutions for even the most challenging precision gearing applications.

CGI, Inc. manufactures exclusively at our state-of-the-art headquarters in Carson City, Nevada, near beautiful Lake Tahoe. Our team of dedicated and experienced employees is focused on each customer's success by providing unparalleled solutions, service and support.

CGI Inc. holds the following Certificates of Registration:



CGI Inc. is a member of

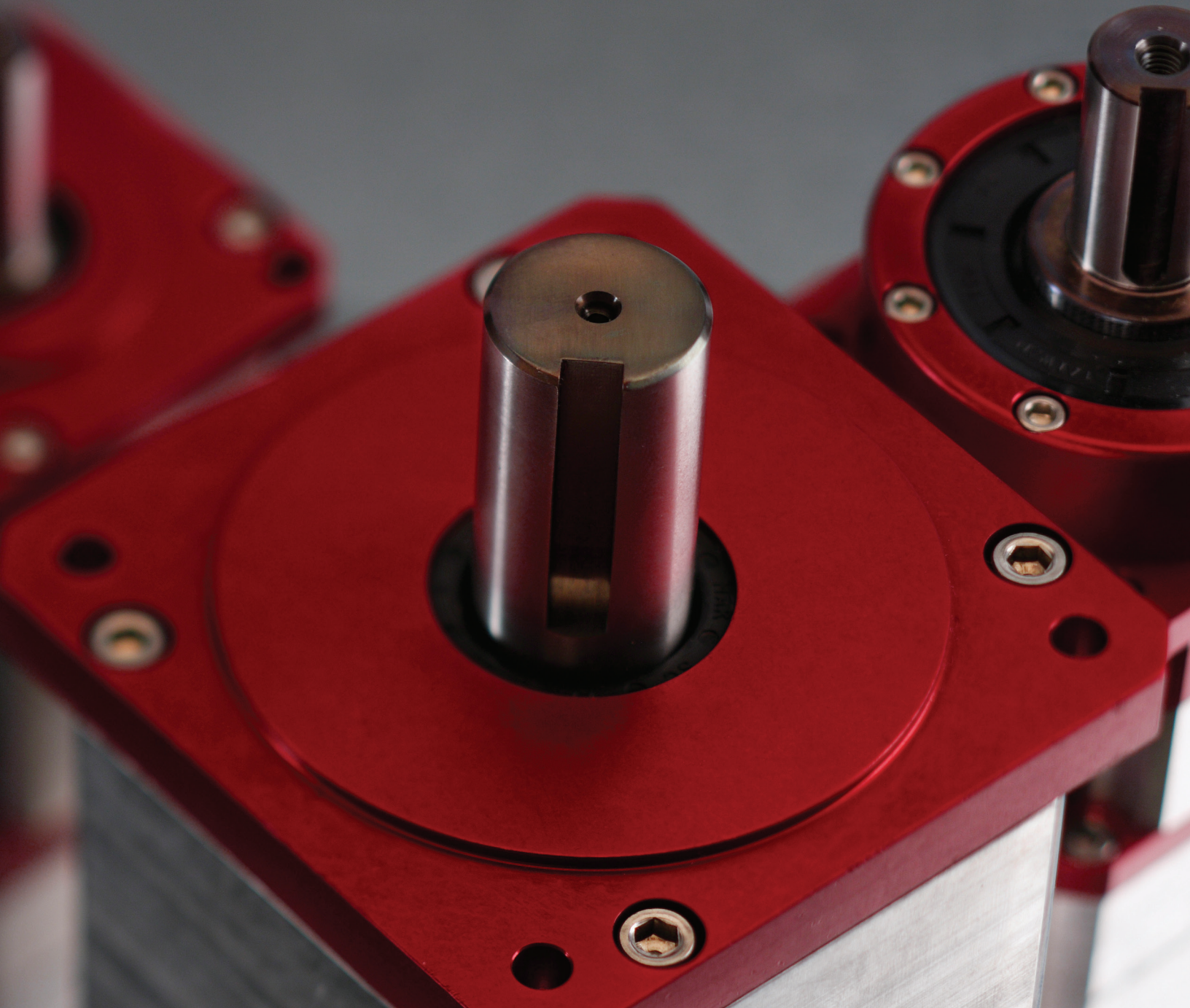


3400 Arrowhead Drive • Carson City, Nevada 89706 USA  
toll free: 800.568.GEAR (4327) • phone: 775.882.3422 • fax 775.882.9599  
[www.cgimotion.com](http://www.cgimotion.com)



# PLANETARY GEARHEADS

PRECISION MADE IN THE USA





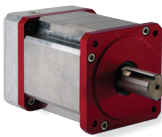
## Robotics and Automation

From Prototype to Production CGI Motion enables design excellence across a wide range of industrial applications. We thrive on customer driven innovation in precision gearbox, precision machined components and electro-mechanical assembly solutions ranging from aerospace systems to semiconductor applications. We are your design and manufacturing partner helping to differentiate your product, machine or innovation. Our team of problem solving engineers and product managers can bring your application to market on time and under budget. Whether it's an improvement on a current design or groundbreaking new designs, CGI has the know-how and team to enable design excellence.

### The CGI Gearhead Family

Standard and customized precision planetary gearboxes for the Electromechanical Motion Control market.

Predator - PRX



Prime - PLX



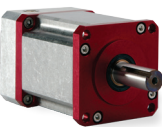
Victory - VPX



Paragon - PNX



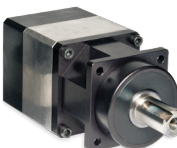
Raptor - RTX



Raptor EP - RTA



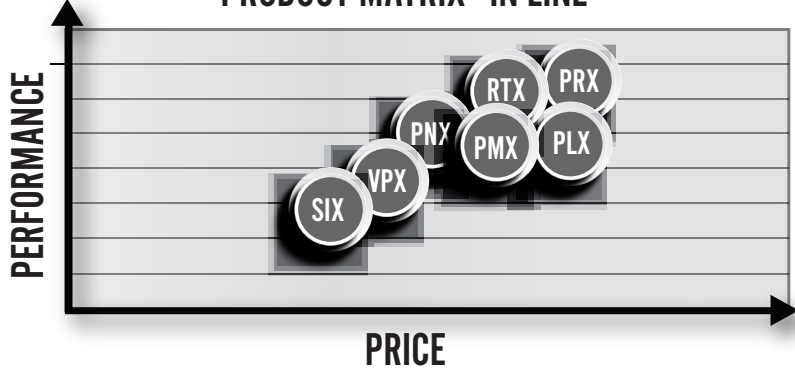
Primetric - PMX



Spur - SIX



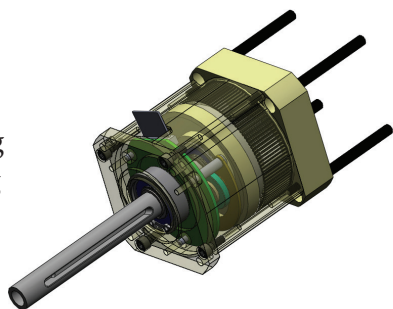
PRODUCT MATRIX - IN LINE



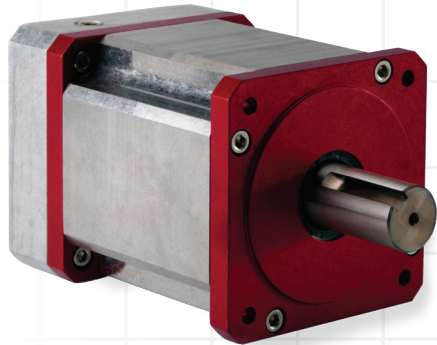
**Performance to price comparison of our Inline Gearheads**

## Custom Gearheads

With over 40 years of design and manufacturing experience, we thrive on solving our customer's application with just the right gearhead solution. Our engineering and manufacturing teams have designed hundreds of custom gearheads that have enabled our customers' to maximize performance while minimizing space. Contact us today to discuss your gearhead needs.



## Planetary Gear Line



### Predator - PRX Series

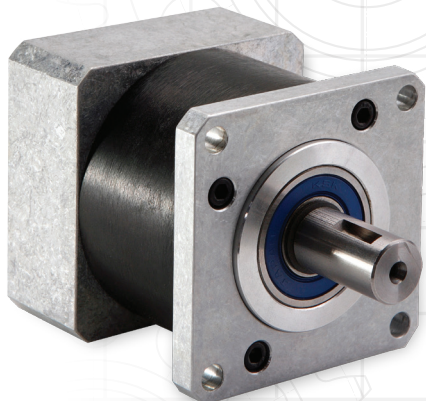
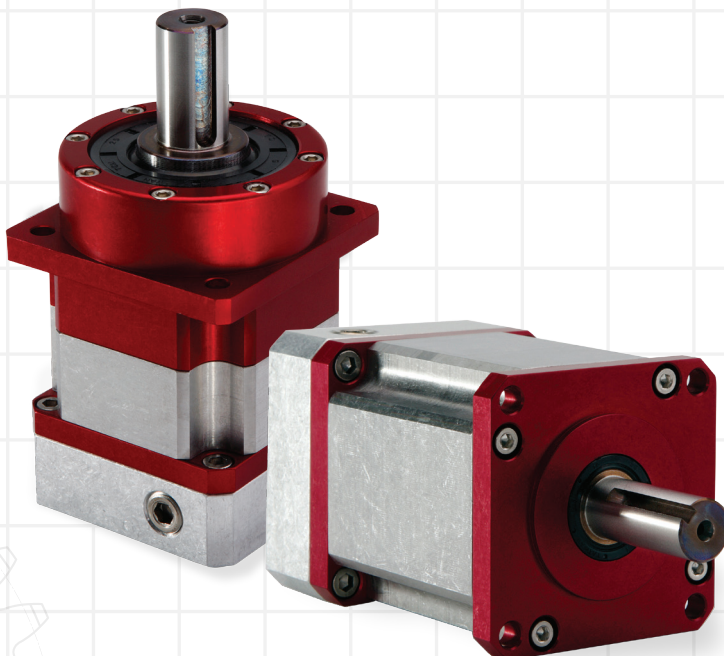
#### Key Design Features

- Integrated component design for single piece construction
- Angular contact front bearing
- Excellent running concentricity
- Superior torsional stiffness design
- Captive, dual bearing supported input pinion
- Optimized gear tooth design
- Latest technology materials, manufacturing processes and treatments
- Completely sealed, lifetime lubrication
- All stainless steel hardware

### Raptor RTX & Raptor EP - RTA Series

#### Key Design Features

- Excellent torsional stiffness design
- Captive, dual bearing supported input pinion
- Sealed for IP65 protection
- Oversize bearings
- Optimized gear tooth geometry
- All stainless steel hardware
- Available in NEMA, Metric and Metric Extended Pilot (EP) frames
- Dimensionally interchangeable with most competitor gearheads!



### Victory - VPX Series

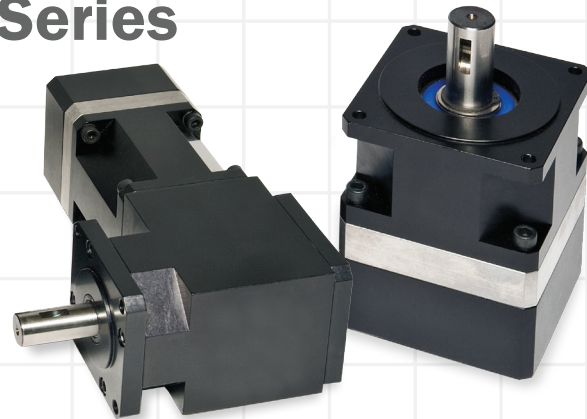
#### Key Design Features

- The first design utilizing CGI's optimized tooth profile
- True Planetary Gearhead
- The best value performance gearbox on the market
- NEMA 17, NEMA 23, NEMA 34 frame sizes
- Robust, proven performance

## Prime - PLX & RCX Series

#### Key Design Features

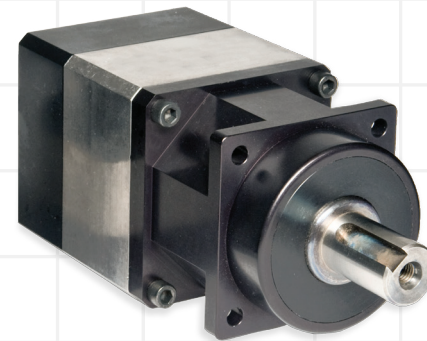
- Robust, time-proven design
- High torque and acceleration
- Highly customizable
- 6 arc-min std. / 3 arc-min low
- Right-Angle versions available
- NEMA 17 - NEMA 75 frame sizes
- Standard ratios 3:1 to 1000:1 available



### Primetric - PMX Series

#### Key Design Features

- Metric extended pilot output version of Prime
- High torque, acceleration and performance
- Precision performance
- 5 year warranty
- 6 arc-min std. / 3 arc-min low
- 40mm – 180mm frame sizes
- Standard ratios 3:1 to 1000:1



### Paragon - PNX & RNX Series

#### Key Design Features

- Good price/performance
- High to moderate torque
- 2 year warranty
- 10 arc-min std. / 7 arc-min low
- NEMA 17 - NEMA 75 frame sizes
- Standard ratios 3:1 to 100:1
- Right-Angle versions available

### Spur - SIX Series

#### Key Design Features

- Light torque performance
- High efficiency, low noise
- 2 year warranty
- Low friction operation
- 3:1 to 100:1 ratios
- 20 arc-min std. / 10 arc-min low

