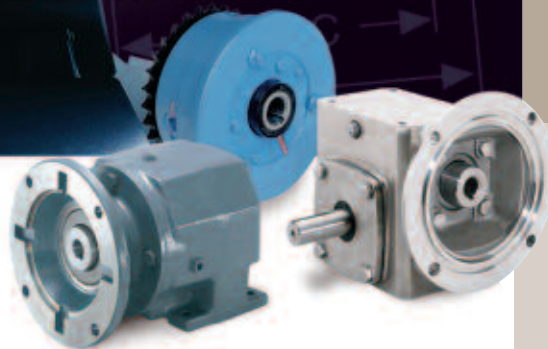


B O S T O N   G E A R

**Comprehensive  
Engineering  
Support**  
for fast  
turnaround  
on quotation,  
design,  
drawing,  
prototyping,  
testing and  
manufacturing



 **Boston**  
Gear

**Get comprehensive engineering support with our application expertise and advanced technology**

PosiVent® internal pressure equalization system



At Boston Gear, we adhere strictly to AGMA criteria of standards and guidelines that must be followed in all gear box designs; however, creativity is also one of our biggest strengths. Many of our key product innovations such as PosiVent®, are used in consumer based industries like food and beverage processing, and when designing products for these industries, federal governmental regulations are followed. To view these regulations online, please go to [www.agma.org](http://www.agma.org), [www.bissc.org](http://www.bissc.org) and [www.fda.gov](http://www.fda.gov).



With state-of-the-art equipment at our disposal like the UniGraphics solid modeling design package, models can be generated quickly, expediting the initial phases of the design and sales process. The experienced CAD design team can create simple models, like our standard, modular worm gear speed reducers, for high volume projects as well as complex models for small or large scale custom jobs. Each of these is an area of expertise for us. Combined with rapid prototyping technology for full scale evaluation, you can be confident that the product you get is the product you wanted.



**Timelines for quotes and processes**

**Custom specials/speed reducer quotes**

48 hours direct to customer

**Prototype SLA Models available**

Simple – 5 days	Complex – 7-10 days	Complicated – 10-15 days
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**Prototype**

Lead time dependent on complexity of job.

**Prototype approval to production**

Simple – No tools or fixtures – 5-7 business days	Complex – Some tools and fixtures – 3-4 weeks	Complicated – Call for lead times
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The Boston Gear engineering department has a deep commitment to providing you with low cost, high quality power transmission and motion control solutions that will meet or exceed your expectations and will surpass those offerings of our competitors. Hundreds of years of staff experience come in handy here, that level of exposure to the industry allows the engineering group to come up with creative designs built on proven technologies.

In addition to years of engineering expertise, all engineers within the Boston Gear Engineering Group have sales experience and many have product management backgrounds as well. This criteria distinguishes this engineering group from many others you will meet in this industry. This also brings value to the sales process and increases customer satisfaction as these engineers view the situation from many perspectives.



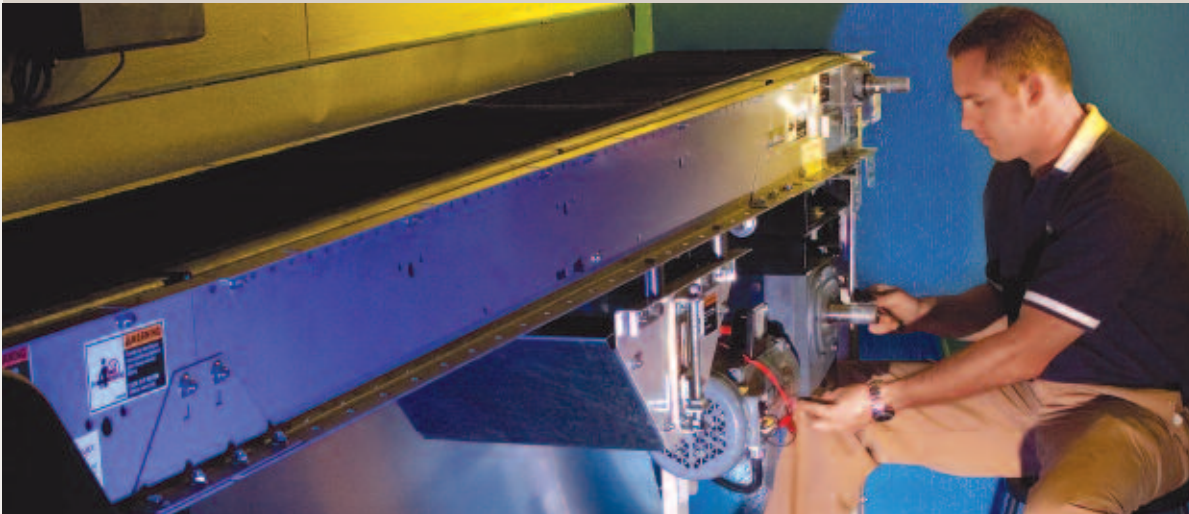
## What our customers are saying...

*“This letter is to thank you for your excellent support of a very important government program that recently needed urgent technical support in order to meet critical test deadlines. The Boston Gear engineering team provided direct support to our engineers and provided one-day turnaround service. The over-the-weekend, on-site support you provided for our testing was invaluable, allowing us to reach an optimum solution in a most timely fashion. Because of your fantastic response and extremely high level of customer service, this program was able to meet critical and urgent test deadlines. We wish to thank you for your professionalism, expertise, and especially for your devotion to customer service.”*

*With appreciation,*

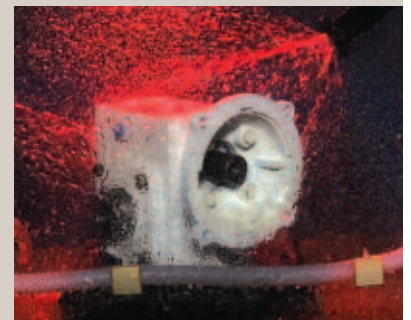
*Gregory A. Rhodes  
Raytheon System Engineer*

## **Perform evaluations of specific application issues in our State-of-the-art test lab facility**



How are we different? We have a full service test lab in-house to validate the integrity of new product designs before we manufacture the product. In the test lab, we are able to simulate many common application scenarios on-site to evaluate problems you are experiencing on your manufacturing floor. This can decrease your down time and expenses associated with troubleshooting.

- Full load testing for speed reducers
- Conveyor test rig simulator
- Thermal testing (hot/cold actions/reactions)
- Oil seal leak analysis
- Gear and pinion tooth wear evaluations
- FMEA (Failure Mode Effect Analysis)
- Assembly process development and validation
- Test reports and documentation
- Product demonstrations



**Work directly with our engineering team  
to develop custom designed power  
transmission solutions.**



Years of combined engineering experience bring the creativity and problem solving skills that you can only find with a full service engineering organization like Boston Gear.

You're saying, I've heard this one before, but this group of engineers is different. They *enjoy* talking with customers and interacting on a very personal level with you to understand what your most important needs are and guide you to a successful completion of your project. Each project is treated with the individual attention it deserves so you leave with the most cost effective, individualized and promising solution.

Bring your power transmission challenges to us and get a first hand look at the fresh, creative approach we take to making sure that you get a high quality product at a fair price.

With seasoned staff in both product design and application engineering, Boston Gear combines the best of engineering theory with real life problem solvers.



**Gears**

**Shafts**

**Housings**

**Carriers**

**Bases**

**Motor Flanges**





## **Boston Gear... Leading the Industry at Every Turn**

Started in 1877 as a machine shop making gear-cutting machines, Boston Gear has led the growth of the power transmission industry for over 125 years. In its early years, Boston Gear introduced the concepts of gear standardization and stock gears that subsequently led to the development of the industry standard footprint for modular worm gear speed reducers.

Boston Gear provides an extensive off-the-shelf product offering of more than 20,000 products combined with the ability to custom engineer unique solutions when required. Products are designed to perform in an unlimited array of industrial applications from unit handling to food processing and everything in between including solutions for paper converting, corrugated, mixers, hoists, pumps and steel.

Boston Gear provides the widest range of integrated power transmission products available from a single source including:

- Enclosed Gear Drives
- Open Gearing
- Centric™ Overload Release Clutches



**Boston Gear**  
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