



## The Power of Fluid Sealing - Defined.

America's most valued resources demand the most reliable and safest of operations, Power Dynamics is committed to delivering invaluable sealing solutions to water treatment facilities. The applications and services we supply come from companies that care about the safety of America's drinking water.

Power Dynamics uses materials certified to meet the strict NSF\* Standards ensuring your products meet regulatory requirements for the USA. NSF certification is a mark of distinction that provides your customers assurance that product are either safe for use in drinking water and / or can perform as advertised. These standards provide basic criteria to promote sanitation and protection of the public health.

Our field service engineers ensure that proper installation process and servicing standards are maintained throughout the life cycle of your product. Our effective solutions help minimize water consumption and usage, save maintenance time and reduce replacement requirements to delivering cost saving solutions.

Power Dynamics, Inc. supplies a wide range of fluid sealing products and services. visit us online at [www.powerdynamicsinc.com](http://www.powerdynamicsinc.com) or email [sales@powerdynamicsinc.com](mailto:sales@powerdynamicsinc.com) to learn more!

\*NSF follows the American National Standards Institute (ANSI) standards development process

# Our Products



Power Dynamics offers a large range of high quality, performance driven and reliable products for all phases of macro paper manufacturing. We work with market leading sealing technology manufacturers to deliver tested products and solutions designed to meet the industries extreme operating conditions and still maintain the integrity of products.

We stock a wide variety of heavyweight industry compliant sheet materials that offer superior corrosion and abrasion resistance, with flexibility and increased strength, allowing us to provide quick turnaround on custom orders.

As a preferred vendor we are able to obtain products at lower cost points and we deliver that savings onto our customers.

## NSF 61 Gaskets

- Anti-swelling
- Molded rubber
- Teflon
- Isolation Kits
- Rubber

## Gaskets

- Heat and oxidation resistant
- Fire resistant
- Metal
- Metallic / Semi-metallic
- Spiral wound
- Soft heat exchanger
- Expanded Teflon

Flexible Graphite (commercial 95%, nuclear 99%)

- Homogeneous

## Wire Inserted

- Tanged Core

## Expansion Joints

- Metal (round /rectangular)
- Fabric
- FCC (CatCracker)
- Braided hoses

## Packing

- Valve Packing
  - Prepackaged
  - Bulk Packing
  - Individual Packing
- Pump Packing
- Hydraulic Packing

# Our Services



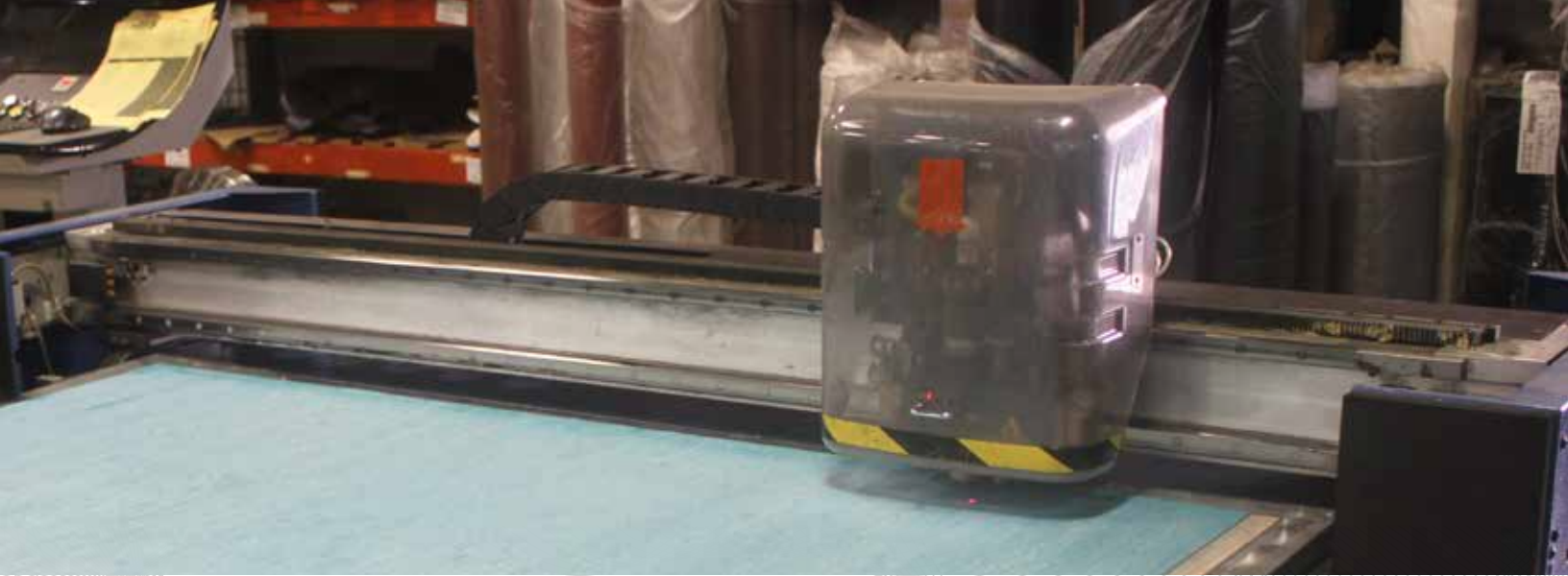
Our manufacturer trained sales team work closely with you to select the products that are designed to minimize process leakage, protecting products while they're being made, and also reducing costly repairs and downtime. Our extensive knowledge and access to the finest product lines allows us to make educated choices when accessing the fluid sealing needs for your industry.

Power Dynamics uses highly resilient gaskets made to withstand the stringent demands of the water treatment industry while preventing process contamination. We supply material samples to aid in product development and work with you to explore solutions for your application specifications. Our extensive knowledge in material stability, effects of pressure and temperature variations, and resistance to vigorous cleaning, etc. make us a valuable part of your team.

## Extended Services

- Factory Sales Representatives and Application Engineers available for problem solving
- Fast responsive customer service support
- In plant surveys of equipment and processes
- Technical literature to provide up to date product enhancements and changes
- On-site troubleshooting during shutdowns
- Cost-saving Inventory Warehouse programs
- Custom fabricating
- On-time delivery

# Our Technology



We use the latest technology to ensure we comply with your exact specification and to maintain our competitive edge. Using CAD drawings supplied by your engineers our manufacturing team will evaluate and select the most cost effective method for running your project.

Power Dynamics utilizes only state-of-the-art equipment to ensure the quality and precision of each project. Whether your job requires high volume, 'kiss-cutting' production or varying degrees of hydraulic pressure we will select the best device to ensure the perfect cut.

- Increased Productivity
- Consistency
- Reduced Labor Costs
- Improved Quality
- Efficient Material Usage
- Speed

## Die Cut Technology

### *Flashcut Flex*

The Ultimate die-less cutting machine plus projector allows us to project the cutting pattern directly on the material enabling us to get more out of each sheet.

### *Flashcut*

The sophistication of the Atom Flash cut die-less cutting machine means faster production, cost savings, more flexibility, and improved use of automatic nesting & reduce time to market.

### *Clicker Presses*

With a variety of ATOM clicker presses available, we are able to effectively support the versatility of plating, drilling, printing, embossing, total cutting and kiss-cutting a wide range of materials, both natural & synthetic.

# Our Method



Once the products, materials, and service requirements are determined and fulfilled and all tolerances have been met, our factory trained operators review each final cut for accuracy and precision before transferring to shipping and receiving for a final verification and review prior to delivery.

Power Dynamics is committed to meeting our customers' expectations and requirements through quality, service, reliability, and continual improvement of all processes.

## Quality Commitment

At Power Dynamics we strive to deliver the highest levels of customer satisfaction, we work with ISO 9001:2008 certified manufacturers to ensure all the products we deliver meet extensive operating requirements in such areas as product design and development, production, installation, and servicing.

To ensure you are working at your highest levels of operation we also offer:

- Inventory Management
- Consolidation Programs
- Inventory Warehouse Programs
- Emergency Call out Services
- Onsite Training
- Asset Surveys
- Shut Down Strategies

# Our Story

Power Dynamics, Inc. is based in Inver Grove Heights, MN we fabricate and supply fluid sealing products throughout the United States. Since 1971 Power Dynamics has been stocking mechanical seals, braided packing, die-formed rings, and gasketing materials in both sheet and cut form. We use cutting edge technology to ensure all orders comply with your exact specifications. Our extensive industry knowledge aids in our customers success as we work with you to ensure you are getting the right product for your unique industry needs. Our staff is dedicated to providing customer service excellence with expedited order turnaround at an affordable price.



Mechanical Seals



Metal Expansion Joints



Premium Grade  
Carbon Fiber



Custom Shape  
Gaskets



Valve Packing



Expanded & Virgin  
Teflon



NSF 61 EPDM



Molded Expansion  
Joints



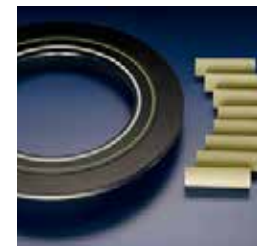
Hydraulic Packing Sets



Compression Packing



Premium Grade  
Rubber Sheet



Isolation Kits

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