

DYNAMIC RUBBER INC.

INFLATABLE SEALS & RUBBER PRODUCTS

Custom engineered solutions for hard-to-seal applications

100%

CUSTOM ENGINEERED

USA

MANUFACTURED

30+

YEARS EXPERIENCE

8+

INDUSTRIES SERVED

CAPABILITIES

■ Short Lead Times

In-stock materials and streamlined production mean faster turnaround -- even on custom orders.

■ Custom Compounding

Proprietary rubber compounds tailored to your exact temperature and chemical requirements.

■ Substrate Bonding

We bond rubber to plastics, fabrics, and composite substrates for multi-material assemblies.

■ Competitor Profile Matching

Drop in designs from competitor's -- we'll replicate or improve it. Same fit, better performance.

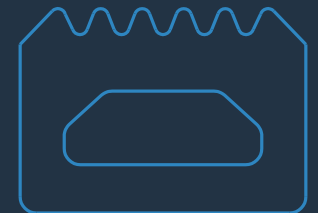
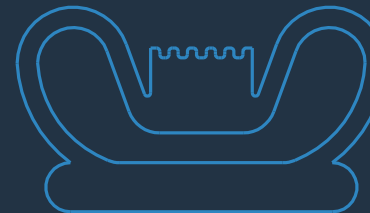
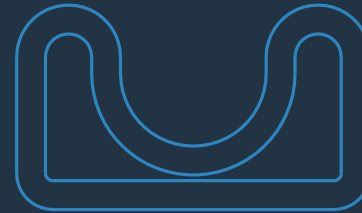
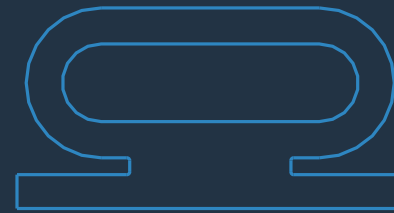
■ Metal Insert Bonding

Rubber-to-metal bonding for integrated assemblies that eliminate secondary operations.

■ Rapid Prototype Molding

Custom corners and complex cross-sections molded quickly to validate your design.

SOLVING THE SEALING CHALLENGES OTHERS CAN'T



1 DESCRIBE YOUR APPLICATION
2 ENGINEERING REVIEW
3 CUSTOM MANUFACTURING
4 DELIVERED TO YOU
NON-REINFORCED INFLATABLE SEALS

- Extruded profiles in any shape or size
- Made straight, endless, or molded corners
- Inflates to create airtight, watertight, or gas-tight barrier
- Retracts when deflated for free door/hatch movement
- Materials: EPDM, Silicone, Neoprene, Nitrile, FKM, Butyl
- Sealing for vacuum, airtight, watertight or dust control applications
- Clamping for holding objects while cutting operations are performed

FABRIC REINFORCED SEALS

- Fully molded with internal fabric reinforcement
- For higher pressures & heavier load applications
- Nylon, Kevlar, Polyester, Cotton fabric options
- Can match any competitor cross-section profile
- Ideal for repeated uniform operation cycles
- Applying pressure for lifting applications
- Applying uniform pressure for bonding applications

NUCLEAR SEALS

- Nuclear PWR steam generator & RCS loop isolation
- Dual-seal design: wet seal + dry seal redundancy
- Passive fail-safe -- stays sealed if air pressure lost
- Nuclear elastomers, custom bore sizes
- Enables parallel refueling & SG maintenance

INFLATABLE BLADDERS & TOOLING

- Custom bladders for composite molding processes
- Applies uniform pressure for void-free laminates
- Autoclave & out-of-autoclave (OOA) compatible
- Aerospace, marine, automotive & wind energy
- Complex 3D geometries available

PHARMACEUTICAL & FOOD GRADE APPLICATIONS

- FDA-compliant food-grade elastomers
- Resists smoke, steam & harsh cleaning chemicals
- Reduces heat loss & improves processing yield
- EPDM & Silicone options
- Standard profiles & custom geometries available

SMALL/LARGE DIAMETER SEALS

- Precision miniature inflatable seals
- Semiconductor process chambers & medical equipment
- Tight dimensional tolerances
- Low-outgassing compounds available
- Custom profiles for confined or complex geometries
- Large diameter non-reinforced seals via continuous cure extrusions
- Long seals available via splicing, reinforced or non-reinforced
- Segmented tooling available to fully mold any size

INDUSTRIES SERVED & WHY CHOOSE DRI

WHO WE SERVE

INDUSTRIES & APPLICATIONS

01

MATERIAL HANDLING

Conveyor systems, pallet positioners, part clamps, vibration isolation

02

MEDICAL & PHARMACEUTICAL

Autoclave doors, clean rooms, pharmaceutical vessels, lab equipment

03

AEROSPACE & DEFENSE

Aircraft doors, avionics housings, military hatches, engine test cells

04

MARINE

Watertight hatch covers, naval vessel doors, offshore platform equipment

05

SEMICONDUCTOR

Vacuum chambers, load lock doors, ultra-clean low-outgassing seals

06

CHEMICAL PROCESSING

Reactor vessels, autoclave doors, tank entry hatches · FKM & EPDM

07

COMPOSITE MOLDING

Autoclave bladders, OOA tooling, complex 3D geometries

08

FOOD PROCESSING

Smokehouse doors, retort vessels, bulk bag filling, processing tanks · FDA-compliant

09

NUCLEAR POWER

PWR steam generator isolation, RCS maintenance, pool gate seals, airtight door seals and molded compression gaskets

10

RAIL TRANSPORTATION

Rail car doors, locomotive panels, trackside equipment, low smoke-low flame silicone or neoprene material available · EPDM & Neoprene

WHY ENGINEERS CHOOSE US

- ✓ **Direct Engineer Access** · Speak with experienced elastomer engineers, not a sales rep
- ✓ **Custom Without Minimums** · Prototype quantities accepted, no large MOQs required
- ✓ **Low Lead Times** · In-stock materials and streamlined production, faster turnaround
- ✓ **Rapid Prototype Molding** · Custom corners and complex cross-sections, no long tooling delays
- ✓ **Custom Compounding** · Proprietary rubber formulations for your exact requirements
- ✓ **Metal Insert Bonding** · Rubber-to-metal integrated assemblies, fully custom
- ✓ **USA Manufacturing** · Faster lead times, direct quality control, no ocean freight
- ✓ **1-Day Quote Response** · Typical turnaround within one business day

YOUR DRI CONTACT

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