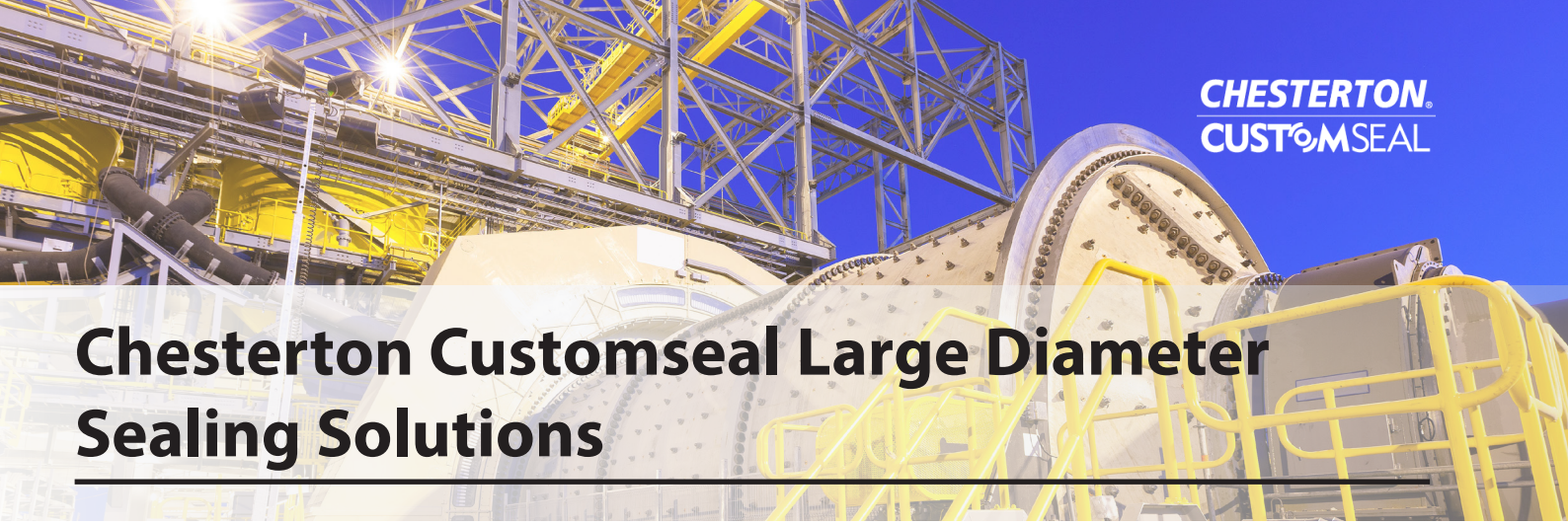


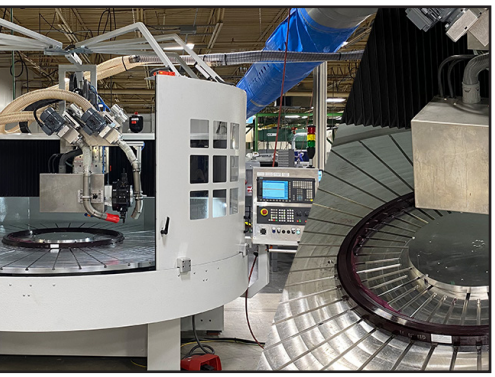
Chesterton Customseal Large Diameter Sealing Solutions

Do You Face Challenges With Large Equipment and Downtime?

Chesterton has been a trusted leader in designing and manufacturing large diameter sealing solutions for over 50 years. We understand your need to reduce downtime while improving reliability. Chesterton has been designing and manufacturing large diameter sealing solutions across several applications *including Mining Ball Mills, Marine Thrusters and Propeller Blades, Hydro Turbine Runner Blades, Large Aluminum Extrusion Presses, Rubber Molding Presses, Offshore Loading Arms, and more!*

Large Diameter Machined Seal Capabilities

With cutting-edge CNC equipment that **can machine seals up to 96" (2440 mm) in outer diameter**, we offer industry-leading materials and a wide selection of sealing profiles worldwide. Our split sealing technology makes installation a breeze without disassembling complex equipment.



Fusion Program

Chesterton's CNC machines have the capability to produce seals in outside diameters up to 96" inches (2,440 mm). Chesterton also has the ability to fuse weld larger diameter seals with some seals reaching **138 inches (3500 mm)** in outer diameter that we have designed and manufactured for our customers in the past .
Chesterton can produce seals in virtually unlimited diameters with our fusion program.

Chesterton Customseal is a joint venture between A.W. Chesterton Company and Customseal Australia.
Chesterton Customseal provides our clients with innovative solutions in high-performance seals, combining the strong capabilities of two brands in one product.

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customerservice@customseal.com.au
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Key Feature

1. **Adjustable Seal Design** modify and improve seals without tool adjustments.
2. **Fast delivery times** thanks to readily available raw materials.
3. **Superior Materials** enhanced MTBR.
4. **Easy Installation** ensures prolonged leak-free operation.
5. **Advanced Split/Join Technology** surpasses traditional 90-degree joins.
6. **Single-piece seals up to 2.44m** with fusion for larger sizes, ensuring no joins.

Benefits

Partner with Chesterton Customseal for state-of-the-art equipment, industry-leading materials, exceptional customer service, and access to the best sealing engineers in the industry.
You will experience:

Materials

Chesterton Customseal's Large Diameter Sealing Program utilizes industry leading Chesterton materials such as, **Thermoset Polyurethanes**, **Fluoroplastics**, **Hard Plastics** and **Elastomers**.

Materials				
Material	Color	Temperature range MIN MAX (°C)		Description
AWC 800	RED	-50	85	Chesterton's proprietary thermoset polyurethane has the best abrasion resistance in the industry and is used in high pressure equipment up to 185°F.
AWC 860	CHERRY	-50	120	High temperature polyurethane is used in heavy duty high temperature applications up to 250°F.
AWC 825	BLUE	-40	85	Lower durometer polyurethane offers the best primary sealing capability when installed in our popular 11K Split Seal assembly.
PTFE and PTFE/TFM	-	-165	260	Blends sustain temperatures from as low as -265°F to 500°F.

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