



MANUFACTURING

SECTOR CREDENTIALS



Hydraulics are commonly used throughout the manufacturing industry in both light and heavy-duty machines. With varying conditions and a vast range of equipment in use, having access to a full range of hydraulic seals is a must.

Using the right hydraulic seal for the job reduces wear and tear and minimises downtime. There are many factors to consider when choosing a seal, including temperature range, stroke speed and the fluid type used. Other factors like where the hydraulic system is installed, the environment and conditions will also impact on the life of the seal.

HSA have been providing expertise to the industry for almost twenty years. We can advise on the right product to meet your needs, with reliable, high-performance seal products. Our technical knowledge is backed up with fast ordering and delivery to keep your systems working.

CASE STUDY

ROLLING BEARINGS WEST



Rolling Bearings West supplies industrial products to the manufacturing industry with a focus on businesses involved with food production.

An RBW customer who processed chocolate was having significant, ongoing issues with a specific piece of equipment. The seals supplied by the OEM were continually failing in a very short period of time, sometimes just hours after fitting.

The customer was experiencing considerable downtime and wasted product mix, as each time the seals failed it ruined the chocolate run costing thousands of dollars.

RBW was engaged to solve the problem and completed extensive research on the Italian-made processing machine.

They found the seals were not suitable for chocolate processing because cocoa is extremely abrasive and

wears seals prematurely. RBW engaged HSA to assist with the manufacturing of a food grade seal designed with a special lip and using UHMWPE material that is suitable to work with a harsh, dry ingredient such as cocoa.

Representatives of RBW and HSA looked over the equipment and gained an 'onsite' understanding of the operation and the requirements. HSA then completed piston and bore measurements, produced a technical drawing, determined the most suitable material for producing the seal and then manufactured several sample seals to test.

We quickly found the right solution and it has been a resounding success.

While the original seals were failing within hours after only about 3000 units had been produced, the new seals last for 20 weeks on average and the manufacturer can guarantee production of around 800,000 units per cycle.



There was an immediate synergy between our two businesses. We worked closely together to provide the very best in customer service and back up support. This was a sensitive issue for our client and HSA completed the task alongside RBW respectfully, confidentially and quickly. We can't ask for more from a supplier than that.

Brett Whelan - Managing Director



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