

Application story



Coolant for Glass Machining

Location	Russia	Hydra-Cell model	G03XKBTHFECA
Type of application	Coolant for Glass Machining	Flow rate	3 - 5 L/min (0.8 - 1.3 US gal/min)
Liquid	Water Glass	Pressure	5 bar (72 psi)
Application details	Hydra-Cell® pumps coolant for glass milling LZOS is the leading manufacturer of optical glass in Russia and is a sub-contractor to many optical companies, perhaps the most famous being Carl Zeiss. The Company meets about 30% of the total world demand for telescope optics and is able to produce high-precision optics up to 6 meters in size. In a glass milling process the company was using a gear pump to pump low pressure coolant to the cutting zone. As a result of wear caused by abrasive glass particles in the coolant, these gear pumps broke down every three to four months. Pump Union, Wanner's distribution partner in Russia, supplied a Hydra-Cell G03 pump for the purpose and the customer is relieved not to have to change the coolant pump every three months. Simply one of many low-pressure applications where Hydra-Cell excels.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to pump this abrasive particle laden liquid, with ease. - Simply installation.		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com