

Application story



Lead and Glass Slurry Pumping

Location	USA	Hydra-Cell model	G10IKCTCCECA
Type of application	Lead and Glass Slurry Pumping	Flow rate	2 l/min (0.5 gpm)
Liquid	Ground Lead Slurry Ground Glass Slurry	Pressure	6 bar (87 psi)
Application details	Rotors and stators of a progressing cavity pump had worn out in 60 hours on this application at a plant manufacturing lead glass tube for use in the electronics industry. The task is to pump a slurry containing ground lead and ground glass into a catalyser, where it is cooled with nitrogen. The cooled product is formed into a tube of raw glass, 3.2mm diameter x 9.5mm. Eventually the glass will be melted and fused around diodes and other electronic components. The unsatisfactory wear life of the progressive cavity pump led to its replacement with a Hydra-Cell G10 abrasive duty pump, with ceramic valves and seats. Using the Hydra-cell pump, the customer was able to raise productivity, eliminate downtime and increase the pressure capability of the system.		
Advantages of Hydra-Cell pump on this application	Seal-less design. Ability to handle a slurry with abrasive particles.		

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