

# Application story

  
**WANNER**<sup>™</sup>  
HYDRA-CELL<sup>®</sup> PRO  
SEAL-LESS PUMP TECHNOLOGIES



## High Pressure Coolant for Grinding Turbine Blades (3)

<b>Location</b>	Israel	<b>Hydra-Cell model</b>	G35XDCTHFEYB
<b>Type of application</b>	High Pressure Coolant for Grinding Machines	<b>Flow rate</b>	60 l/min (16 gpm)
<b>Liquid</b>	Synthetic Emulsion	<b>Pressure</b>	Up to 80 bar (1160 psi)
<b>Application details</b>	<p>Separately owned and operated as a joint venture enterprise with a leading aero engine manufacturer, this machining plant in Israel is engaged on production activities similar to those of its near neighbour – and has encountered comparable problems in the reliable delivery of low-lubricity coolant on grinding machines. (<i>see report</i>).</p> <p>Hydra-Cell distributor Amit-Or is working closely with the joint venture plant on several retrofit projects. They include the reported installation of G35 and G12 pumps on a Haas grinding machine and the installation of 2 x G35 'pilot' pumps on a Blohm grinder. If, as expected, early success continues it is likely that further retrofits will follow.</p> <p>At a third plant Amit-Or is leading a programme to retrofit machines with G35 and G10 pumps. A test unit working a 3-month trial was reported to show 'good signs'.</p>		
<b>Advantages of Hydra-Cell pump on this application</b>	Seal-less design. Able to handle low-lubricity coolants with fine particles. Long-term reliability on continuous duty. Minimal maintenance and repair costs. Low energy consumption.		

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