

Application story



High Pressure Coolant for Machine Tool Industry (1)

Location	Israel	Hydra-Cell model	G10 / G12 / G15 / G17 / G25 / G35
Type of application	High Pressure Coolant Systems	Flow rate	Up to 140 L/min (40 gpm)
Liquid	Machine Tool Coolant	Pressure	5 - 172 bar (70 - 2500 psi)
Application details	ITL are Israel's leading manufacturer of machine tool chip and swarf handling systems, auxiliary filtration and high pressure coolant systems and has extensive experience in this area. The Company has settled on Hydra-Cell pumps as the core component in its high pressure coolant delivery systems. Ultra-Filtration systems may well improve surface finish but it is the very fine abrasive particles that cause the most seal damage in screw and gear pumps used for this application. Hydra-Cell pumps have no seals or packing to wear and require little maintenance, providing the dependability and long service life demanded by ITL. Hydra-Cell pumps offer virtually the same, accurate performance, whether pumping neat oils or water-mix fluids... versatility that is a further benefit ITL provides for its customers.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for these applications for the following reasons: - Reliable operation, giving increased up-time and production. - Easy, in-situ maintenance.		

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