

Application story



High Pressure Machine Tool Coolant Delivery - Russia

Location	Russia	Hydra-Cell model	G10XKCTHFEHA
Type of application	High Pressure Machine Tool Coolant Delivery	Flow rate	30 lpm (7.9 US gal/min)
Liquid	Machine Tool Coolant	Pressure	50-70 bar (725-1015 psi)
Application details	In Russia, the majority of machine tools are equipped with a low pressure coolant system. For deep hole drilling, machines are often equipped with through spindle coolant delivery but still at low pressure. Appreciating the machining benefits with high pressure coolant delivery to increase productivity and improved quality, Wanner International's distributor in Russia, developed a stand alone high pressure coolant (HPC) system based around a Hydra-Cell G10 pump. This can be attached to the low pressure plumbing for 'coolant through spindle' applications. The Company's first HPC unit is in use assisting in a research programme centred around tools for deep drilling.		
Advantages of Hydra-Cell pump on this application	With its unique seal-less design, Hydra-Cell pumps are the most reliable and cost-effective solution as they are unaffected by metal sludge and abrasive fines that find their way into these recirculating systems.		

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