

Application story



High Pressure Coolant for CNC Machine Tools (5)

Location	Russia	Hydra-Cell model	G10XKCTHFECA
Type of application	High Pressure Coolant for CNC Machine Tools (5)	Flow rate	30 L/min (7.9 gpm)
Liquid	Machine Tool Coolant	Pressure	40 bar (580 psi)
Application details	Hydra-Cell® in High-pressure Coolant Delivery JSC "NITI" Progress was created in 1959 and over the past 50 years has become one of the leading technology companies of Russian industry. The Institute is centre of expertise for welding technology and equipment and has pioneered techniques for electron-beam welding, argon arc welding and resistance welding. At the beginning of the 2016 Pump Union, Wanner's distributor in Russia, provided a Hydra-Cell G10 pump for test in a machining applications... feeding coolant to drilling, grinding and milling operations and thereby enhancing the Institute's high pressure cooling capabilities. They were able to reduce machining time in certain operations and were impressed by the pump's ability to handle the abrasive fines entrained in the coolant. The Hydra-Cell G10 is proving so reliable that the Institute has bought the test pump and intends to purchase a further two in the near future.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Its ability to handle this particle laden liquid with ease. - Compact design allows for a quick & simple installation.		

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